BIDDING DOCUMENTS Issued on: October 6, 2011

for

Procurement of

Construction of Highway E 75 Section: Grdelica (Gornje Polje) – Caricina Dolina

LOT 1: Road and bridges from Grdelica to Tunnel Predejane

LOT 2: Road and bridges from Tunnel Predejane to Caricina Dolina

ICB No: CORRX.E75.EIB.PACK1.ICB

Project: Corridor X Highway Project

Employer: Koridori Srbije d.o.o. Beograd, Serbia

Table of Contents

Volume 1

Part 1 Bidding ProceduresPart 2 Work RequirementsPart 3 Drawings

Volume 2

Conditions of Contract and Contract Forms

BIDDING DOCUMENTS

for

Procurement of

Construction of Highway E 75 Section: Grdelica (Gornje Polje) – Caricina Dolina

LOT 1: Road and bridges from Grdelica to Tunnel Predejane

LOT 2: Road and bridges from Tunnel Predejane to Caricina Dolina

> VOLUME 1 Part 1 Bidding Procedures

ICB No: CORRX.E75.EIB.PACK1.ICB

Project: Corridor X Highway Project

Employer: Koridori Srbije d.o.o. Beograd, Serbia

Table of Contents

Volume 1

Part 1 Bidding Procedures

- Instructions to Bidders Section I.
- Bid Data Sheet Section II.
- Evaluation and Qualification Criteria Section III.
- Section IV.
- Bidding Forms Eligible Countries Section V.

PART 1 - Bidding Procedures

Section I. Instructions to Bidders

Table of Clauses

A.	General		1-5
	1.	Scope of Bid	1-5
	2.	Source of Funds	1-5
	3.	Fraud and Corruption	1-5
	4.	Eligible Bidders	1-7
	5.	Eligible Materials, Equipment, and Services	1-9
B.	Contents	of Bidding Documents	1-9
	6.	Sections of Bidding Documents	1-9
	7.	Clarification of Bidding Documents, Site Visit, Pre-Bid Meeting	1-10
	8.	Amendment of Bidding Documents	
C.	Preparati	ion of Bids	1-11
	9.	Cost of Bidding	1-11
	10.	Language of Bid	
	11.	Documents Comprising the Bid	
	12.	Letter of Bid and Schedules	
	13.	Alternative Bids	1-12
	14.	Bid Prices and Discounts	1-13
	15.	Currencies of Bid and Payment	1-14
	16.	Documents Comprising the Technical Proposal	1-14
	17.	Documents Establishing the Qualifications of the Bidder	
	18.	Period of Validity of Bids	
	19.	Bid Security	
	20.	Format and Signing of Bid	
D.	Submissi	on and Opening of Bids	1-17
	21.	Sealing and Marking of Bids	
	22.	Deadline for Submission of Bids	1-18
	23.	Late Bids	1-18
	24.	Withdrawal, Substitution, and Modification of Bids	1-18
	25.	Bid Opening	
E.	Evaluatio	on and Comparison of Bids	1-20
	26.	Confidentiality	
	27.	Clarification of Bids	
	28.	Deviations, Reservations, and Omissions	
	29.	Determination of Responsiveness	
	30.	Nonmaterial Nonconformities	
	31.	Correction of Arithmetical Errors	
	32.	Conversion to Single Currency	
	33.	Margin of Preference	
	34.	Evaluation of Bids	
	35.	Comparison of Bids	

	36. 37.	Qualification of the Bidder Employer's Right to Accept Any Bid, and to Reject Any or All Bid	
F.	Award of	Contract	1-24
	38.	Award Criteria	
	39.	Notification of Award	
	40.	Signing of Contract	
	41.	Performance Security	1-25

A. General

1.	Scope of Bid	1.1	In connection with the Invitation for Bids indicated in the Bid Data Sheet (BDS), the Employer, as indicated in the BDS, issues these Bidding Documents for the procurement of Works as specified in Section VI, Works Requirements. The name, identification, and number of lots (contracts) of the International Competitive Bidding (ICB) are provided in the BDS.
		1.2	Throughout these Bidding Documents:
			(a) the term "in writing" means communicated in written form and delivered against receipt;
			(b) except where the context requires otherwise, words indicating the singular also include the plural and words indicating the plural also include the singular; and
			(c) "day" means calendar day.
2.	Source of Funds	2.1	The Borrower or Recipient (hereinafter called "Borrower") indicated in the BDS has applied for or received financing (hereinafter called "funds") from the European Investment Bank (hereinafter called "the Bank") toward the cost of the project named in the BDS . The Borrower intends to apply a portion of the funds to eligible payments under the contract(s) for which these Bidding Documents are issued.
		2.2	Payments by the Bank will be made only at the request of the Borrower and upon approval by the Bank in accordance with the terms and conditions of the financing agreement between the Borrower and the Bank (hereinafter called the Financial Agreement), and will be subject in all respects to the terms and conditions of that Financial Agreement. No party other than the Borrower shall derive any rights from the Financial Agreement or have any claim to the funds. The Financial Agreement prohibits a withdrawal from the loan account for the purpose of any payment to persons or entities, or for any import of equipment, plant, or materials, if such payment or import is prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations.
3.	Fraud and Corruption	3.1	It is the Bank's policy to require that Borrowers (including beneficiaries of Bank loans), as well as bidders, suppliers, and contractors and their subcontractors under Bank- financed contracts, observe the highest standard of ethics

during the procurement and execution of such contracts.¹ In pursuance of this policy, the Bank:

- (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) "corrupt practice"² is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;
 - (ii) "fraudulent practice"³ is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
 - (iii) "collusive practice"⁴ is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;
 - (iv) "coercive practice"⁵ is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
 - (v) "obstructive practice" is
 - (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or
 - (bb) acts intended to materially impede the

¹ In this context, any action taken by a bidder, supplier, contractor, or a sub-contractor to influence the procurement process or contract execution for undue advantage is improper. ² "another party" refers to a public official acting in relation to the procurement process or contract execution]. In

² "another party" refers to a public official acting in relation to the procurement process or contract execution]. In this context, "public official" includes European Investment Bank staff and employees of other organizations taking or reviewing procurement decisions.

³ a "party" refers to a public official; the terms "benefit" and "obligation" relate to the procurement process or contract execution; and the "act or omission" is intended to influence the procurement process or contract execution.

⁴ "parties" refers to participants in the procurement process (including public officials) attempting to establish bid prices at artificial, non competitive levels.

⁵ a "party" refers to a participant in the procurement process or contract execution.

exercise of the Bank's inspection and audit rights provided for under sub-clause 3.1(e) below.

- (b) will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the contract in question;
- (c) will cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a beneficiary of the loan engaged in corrupt, fraudulent, collusive, or coercive practices during the procurement or the execution of that contract, without the Borrower having taken timely and appropriate action satisfactory to the Bank to remedy the situation.
- 3.2 In further pursuance of this policy, Bidders shall permit the Bank to inspect any accounts and records and other documents relating to the Bid submission and contract performance, and to have them audited by auditors appointed by the Bank.
- 3.3 Furthermore, Bidders shall be aware of the provision stated in Sub-Clause 15.6 of the General Conditions.
- 4. Eligible Bidders 4.1 A Bidder may be a natural person, private entity, government-owned entity—subject to ITB 4.5—or any combination of such entities in the form of a joint venture or association (JVA) under an existing agreement or with the intent to enter into such an agreement supported by a letter of intent. In the case of a joint venture or association:
 - (a) **unless otherwise specified in the BDS,** all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms, and
 - (b) the JVA shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the partners of the JVA during the bidding process and, in the event the JVA is awarded the Contract, during contract execution.
 - 4.2 A Bidder, and all partners constituting the Bidder, may have the nationality of any country as defined under the EIB's Guide to Procurement Version February 2004, subject to the restrictions specified in Section V, Eligible Countries. A Bidder shall be deemed to have the nationality of a country

1-7

if the Bidder is a citizen or is constituted, incorporated, or registered and operates in conformity with the provisions of the laws of that country. This criterion shall also apply to the determination of the nationality of proposed subcontractors or suppliers for any part of the Contract including related Services.

- 4.3 A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if :
 - (a) they have at least one controlling partner in common; or
 - (b) they receive or have received any direct or indirect subsidy from any of them; or
 - (c) they have the same legal representative for purposes of this bid; or
 - (d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder, or influence the decisions of the Employer regarding this bidding process; or
 - (e) a Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which such Bidder is involved. However, this does not limit the inclusion of the same subcontractor in more than one bid; or
 - (f) a Bidder participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the bid;
 - (g) a Bidder or any of its affiliates has been hired (or is proposed to be hired) by the Employer or Borrower as Engineer for the Contract implementation.
- 4.4 A Bidder that has been determined to be ineligible by the Bank in relation to the EIB's Guide to Procurement Version February 2004, regarding corrupt and fraudulent practice, shall not be eligible to be awarded a contract.
- 4.5 Government-owned entities in the Employer's country shall be eligible only if they can establish that they are legally and financially autonomous and operate under commercial law. Also, they shall not be dependent

agencies of the Employer.

- 4.6 Bidders shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer shall reasonably request.
- 4.7 Bidders shall be excluded if:
 - (a) as a matter of law or official regulation, the Borrower's country prohibits commercial relations with that country, provided that the Bank is satisfied that such exclusion does not preclude effective competition for the supply of Works required; or
 - (b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower's country prohibits any import of goods or contracting of Works or services from that country or any payments to persons or entities in that country.
- 4.8 This bidding is open only to prequalified Bidders unless an exception has been granted by the Bank, **as indicated in the BDS**.
- 5. Eligible Materials, 5.1 Equipment, and Services 5.1 The materials, equipment and services to be supplied under the Contract and financed by the Bank may have their origin in any country subject to the restrictions specified in Section V, Eligible Countries, and all expenditures under the Contract will not contravene such restrictions. At the Employer's request, Bidders may be required to provide evidence of the origin of materials, equipment and services.

B. Contents of Bidding Documents

6.1 The Bidding Documents consist of Parts 1, 2, and 3, which include all the Sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITB 8.

PART 1 Bidding Procedures

- Section I. Instructions to Bidders (ITB)
- Section II. Bid Data Sheet (BDS)
- Section III. Evaluation Criteria and Qualification Criteria
- Section IV. Bidding Forms
- Section V. Eligible Countries

PART 2 Works Requirements

6. Sections of Bidding Documents • Section VI. Works Requirements

PART 3 Conditions of Contract and Contract Forms

- Section VII. General Conditions (GC)
- Section VIII. Particular Conditions (PC)
- Section IX. Annex to the Particular Conditions Contract Forms
- 6.2 The Invitation for Bids issued by the Employer is not part of the Bidding Documents.
- 6.3 The Employer is not responsible for the completeness of the Bidding Documents and their addenda, if they were not obtained directly from the source stated by the Employer in the Invitation for Bids.
- 6.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Documents may result in the rejection of the bid.
- A prospective Bidder requiring any clarification of the 71 Bidding Documents shall contact the Employer in writing at the Employer's address indicated in the BDS or raise his enquiries during the pre-bid meeting if provided for in accordance with ITB 7.4. The Employer will respond in writing to any request for clarification, provided that such request is received no later than twenty-one (21) days prior to the deadline for submission of bids. The Employer shall forward copies of its response to all Bidders who have acquired the Bidding Document in accordance with ITB 6.3, including a description of the inquiry but without identifying its source. Should the clarification result in changes to the essential elements of the Bidding Documents, the Employer shall amend the Bidding Documents following the procedure under ITB 8 and ITB 22.2.
 - 7.2 The Bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the Bidder's own expense.
 - 7.3 The Bidder and any of its personnel or agents will be granted permission by the Employer to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the Bidder, its personnel, and agents will release and indemnify the Employer and its

7. Clarification of Bidding Documents, Site Visit, Pre-Bid Meeting personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.

- 7.4 The Bidder's designated representative is invited to attend a pre-bid meeting, **if provided for in the BDS**. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 7.5 The Bidder is requested, as far as possible, to submit any questions in writing, to reach the Employer not later than one week before the meeting.
- 7.6 Minutes of the pre-bid meeting, including the text of the questions raised, without identifying the source, and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Bidders who have acquired the Bidding Documents in accordance with ITB 6.3. Any modification to the Bidding Documents that may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to ITB 8 and not through the minutes of the pre-bid meeting.
- 7.7 Nonattendance at the pre-bid meeting will not be a cause for disqualification of a Bidder.
- 8. Amendment of Bidding Documents
 8.1 At any time prior to the deadline for submission of bids, the Employer may amend the Bidding Documents by issuing addenda.
 - 8.2 Any addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have obtained the Bidding Document from the Employer in accordance with ITB 6.3.
 - 8.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer should extend the deadline for the submission of bids, pursuant to ITB 22.2

C. Preparation of Bids

- **9. Cost of Bidding 9.1** The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Employer shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- **10. Language of Bid** 10.1 The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the

Employer, shall be written in the language **specified in the BDS**. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language **specified in the BDS**, in which case, for purposes of interpretation of the Bid, such translation shall govern.

- 11.1 The Bid shall comprise the following:
 - (a) Letter of Bid and Appendix to Bid
 - (b) completed schedules as required, including priced Bill of Quantities, in accordance with ITB 12 and 14;
 - (c) Bid Security, in accordance with ITB 19;
 - (d) alternative bids, if permissible, in accordance with ITB 13;
 - (e) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 20.2;
 - (f) documentary evidence in accordance with ITB 17 establishing the Bidder's continued qualified status or, if post-qualification applies, as indicated in accordance with ITB 4.8, the Bidder's qualifications to perform the contract if its Bid is accepted;
 - (g) Technical Proposal in accordance with ITB 16; and
 - (h) any other document required in the BDS.
- 11.2 In addition to the requirements under ITB 11.1, bids submitted by a JVA shall include a copy of the Joint Venture Agreement entered into by all partners. Alternatively, a Letter of Intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all partners and submitted with the bid, together with a copy of the proposed agreement.
- 12. Letter of Bid and Schedules
 12.1 The Letter of Bid and Schedules, including the Bill of Quantities, shall be prepared using the relevant forms furnished in Section IV, Bidding Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under ITB 20.2. All blank spaces shall be filled in with the information requested.

13. Alternative Bids 13.1 **Unless otherwise indicated in the BDS**, alternative bids shall not be considered.

13.2 When alternative times for completion are explicitly invited, a statement to that effect will be included in the

11. Documents Comprising the Bid **BDS**, as will the method of evaluating different times for completion.

- 13.3 Except as provided under ITB 13.4 below, Bidders wishing to offer technical alternatives to the requirements of the Bidding Documents must first price the Employer's design as described in the Bidding Documents and shall further provide all information necessary for a complete evaluation of the alternative by the Employer, including drawings, design calculations, technical specifications, breakdown of prices, and proposed construction methodology and other relevant details. Only the technical alternatives, if any, of the lowest evaluated Bidder conforming to the basic technical requirements shall be considered by the Employer.
- 13.4 When specified in the BDS, Bidders are permitted to submit alternative technical solutions for specified parts of the Works, and such parts will be identified in the BDS, as will the method for their evaluating, and described in Section VI, Work's Requirements.
- 14.1 The prices and discounts quoted by the Bidder in the Letter of Bid and in the Bill of Quantities shall conform to the requirements specified below.
 - 14.2 The Bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by the Bidder will not be paid for by the Employer when executed and shall be deemed covered by the rates for other items and prices in the Bill of Quantities.
 - 14.3 The price to be quoted in the Letter of Bid, in accordance with ITB 12.1, shall be the total price of the Bid, excluding any discounts offered.
 - 14.4 The Bidder shall quote any unconditional discounts and the methodology for their application in the Letter of Bid, in accordance with ITB 12.1.
 - 14.5 Unless otherwise provided in the BDS and the Contract, the rates and prices quoted by the Bidder are subject to adjustment during the performance of the Contract in accordance with the provisions of the Conditions of Contract. In such a case, the Bidder shall furnish the indices and weightings for the price adjustment formulae in the Schedule of Adjustment Data and the Employer may require the Bidder to justify its proposed indices and weightings.

14. Bid Prices and Discounts

- 14.6 If so indicated in ITB 1.1, bids are being invited for individual lots (contracts) or for any combination of lots (packages). Bidders wishing to offer any price reduction for the award of more than one Contract shall specify in their bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Price reductions or discounts shall be submitted in accordance with ITB 14.4, provided the bids for all lots (contracts) are submitted and opened at the same time.
- 14.7 All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date 28 days prior to the deadline for submission of bids, shall be included in the rates and prices and the total Bid Price submitted by the Bidder.
- 15.1 The currency(ies) of the bid and the currency(ies) of 15. Currencies of Bid payments shall be as specified in the BDS. and Payment
 - 15.2 Bidders may be required by the Employer to justify, to the Employer's satisfaction, their local and foreign currency requirements, and to substantiate that the amounts included in the unit rates and prices and shown in the the Schedule of Adjustment Data in the Appendix to Bid are reasonable, in which case a detailed breakdown of the foreign currency requirements shall be provided by Bidders.
 - 16.1 The Bidder shall furnish a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Section IV, in sufficient detail to demonstrate the adequacy of the Bidders' proposal to meet the work requirements and the completion time.
 - accordance with Section III. 17.1 In Evaluation and **Establishing the** Oualification Criteria, to establish that the Bidder **Qualifications of** continues to meet the criteria used at the time of the Bidder pregualification. the Bidder shall provide in the corresponding information sheets included in Section IV, Bidding Forms, updated information on any assessed aspect that changed from that time, or if post-qualification applies as indicated in accordance with ITB 4.8, the Bidder provide the information requested shall in the corresponding information sheets included in Section IV, Bidding Forms.
 - 17.2 If a margin of preference applies as indicated in accordance with ITB 33.1, domestic Bidders, individually or in joint ventures, applying for eligibility for domestic preference shall supply all information required to satisfy the criteria for eligibility indicated in accordance with ITB 33.1.

- **16.** Documents **Comprising the Technical Proposal**
- **17. Documents**

18. Period of Validity of Bids	18.1	Bids shall remain valid for the period specified in the BDS after the bid submission deadline date prescribed by the Employer in accordance with ITB 22.1. A bid valid for a shorter period shall be rejected by the Employer as non responsive.
	18.2	In exceptional circumstances, prior to the expiration of the bid validity period, the Employer may request Bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. If a bid security is requested in accordance with ITB 19, it shall also be extended for twenty-eight (28) days beyond the deadline of the extended validity period. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request shall not be required or permitted to modify its bid, except as provided in ITB 18.3.
	18.3	If the award is delayed by a period exceeding fifty-six (56) days beyond the expiry of the initial bid validity, the Contract price shall be determined as follows:
		 (a) In the case of fixed price contracts, the Contract price shall be the bid price adjusted by the factor specified in the BDS.
		(b) In the case of adjustable price contracts, to determine the Contract price, the fixed portion of the bid price shall be adjusted by the factor specified in the BDS .
		(c) In any case, bid evaluation shall be based on the bid price without taking into consideration the applicable correction from those indicated above.
19. Bid Security	19.1	The Bidder shall furnish as part of its bid, either a Bid- Securing Declaration or a bid security as specified in the BDS , in original form and, in the case of a bid security, in the amount and currency specified in the BDS .
	19.2	A Bid-Securing Declaration shall use the form included in Section IV, Bidding Forms.
	19.3	If a bid security is specified pursuant to ITB 19.1, the bid security shall be a demand guarantee in any of the following forms at the Bidder's option:
		(a) an unconditional bank guarantee issued by a bank or surety;
		(b) an irrevocable letter of credit;
		(c) a cashier's or certified check; or
		(d) another security indicated in the BDS ,

from a reputable source from an eligible country. If the unconditional guarantee is issued by an insurance company or a bonding company located outside the Employer's Country, the issuer shall have a correspondent financial institution located in the Employer's Country to make it enforceable. In the case of a bank guarantee, the bid security shall be submitted either using the Bid Security Form included in Section IV, Bidding Forms, or in another substantially similar format approved by the Employer prior to bid submission. In either case, the form must include the complete name of the Bidder. The bid security shall be valid for twenty-eight (28) days beyond the original validity period of the bid, or beyond any period of extension if requested under ITB 18.2.

- 19.4 If a bid security is specified pursuant to ITB 19.1, any bid not accompanied by a substantially responsive bid security or Bid-Securing Declaration shall be rejected by the Employer as non responsive.
- 19.5 If a bid security is specified pursuant to ITB 19.1, the bid security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the performance security pursuant to ITB 41.
- 19.6 The bid security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the Contract and furnished the required performance security.
- 19.7 The bid security may be forfeited or the Bid-Securing Declaration executed:
 - (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Letter of Bidor
 - (b) if the successful Bidder fails to:
 - (i) sign the Contract in accordance with ITB 40; or
 - (ii) furnish a performance security in accordance with ITB 41.
- 19.8 The bid security or the Bid-Securing Declaration of a JVA shall be in the name of the JVA that submits the bid. If the JVA has not been legally constituted into a legally enforceable JVA at the time of bidding, the bid security or the Bid-Securing Declaration shall be in the names of all future partners as named in the letter of intent referred to in ITB 4.1.
- 19.9 If a bid security is not required in the BDS pursuant to

ITB 19.1, and

- (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Letter of Bid Form, except as provided in ITB 18.2, or
- (b) if the successful Bidder fails to sign the Contract in accordance with ITB 40; or furnish a performance security in accordance with ITB 41;

the Borrower may, **if provided for in the BDS**, declare the Bidder disqualified to be awarded a contract by the Employer for a period of time **as stated in the BDS**.

- 20.1 The Bidder shall prepare one original of the documents comprising the bid as described in ITB 11 and clearly mark it "ORIGINAL." Alternative bids, if permitted in accordance with ITB 13, shall be clearly marked "ALTERNATIVE." In addition, the Bidder shall submit copies of the bid, in the number **specified in the BDS** and clearly mark them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.
 - 20.2 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation **as specified in the BDS** and shall be attached to the bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the bid where entries or amendments have been made shall be signed or initialed by the person signing the bid.
 - 20.3 A bid submitted by a JVA shall comply with the following requirements:
 - (a) Unless not required in accordance with ITB 4.1 (a), be signed so as to be legally binding on all partners and
 - (b) Include the Representatives's authorization referred to in ITB 14.1 (b), consisting of a power or attorney signed by those legally authorized to sign on behalf of the JVA.
 - 20.4 Any inter-lineation, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the bid.

D. Submission and Opening of Bids

- 21. Sealing and Marking of Bids
- 21.1 The Bidder shall enclose the original and all copies of the bid, including alternative bids, if permitted in accordance

20. Format and Signing of Bid

with ITB 13, in separate sealed envelopes, duly marking the envelopes as "ORIGINAL", "ALTERNATIVE" and "COPY." These envelopes containing the original and the copies shall then be enclosed in one single envelope.

- 21.2 The inner and outer envelopes shall:
 - (a) bear the name and address of the Bidder;
 - (b) be addressed to the Employer in accordance with ITB 22.1:
 - (c) bear the specific identification of this bidding process indicated in the BDS 1.1; and
 - (d) bear a warning not to open before the time and date for bid opening.
- 21.3 If all envelopes are not sealed and marked as required, the Employer will assume no responsibility for the misplacement or premature opening of the bid.
- 22. Deadline for 22.1 Bids must be received by the Employer at the address and no later than the date and time indicated in the BDS. **Submission of Bids** When so specified in the BDS, bidders shall have the option of submitting their bids electronically. Bidders submitting bids electronically shall follow the electronic bid submission procedures specified in the BDS.
 - 22.2 The Employer may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with ITB 8, in which case all rights and obligations of the Employer and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.
 - 23.1 The Employer shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB 22. Any bid received by the Employer after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.
 - 24.1 A Bidder may withdraw, substitute, or modify its bid after it has been submitted by sending a written notice, duly signed Substitution. and by an authorized representative, and shall include a copy of **Modification of** the authorization in accordance with ITB 20.2, (except that **Bids** withdrawal notices do not require copies). The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:
 - (a) prepared and submitted in accordance with ITB 20 and ITB 21 (except that withdrawals notices do not require copies), and in addition, the respective envelopes shall

23. Late Bids

24. Withdrawal.

be clearly marked "WITHDRAWAL," "SUBSTITUTION," "MODIFICATION;" and

- (b) received by the Employer prior to the deadline prescribed for submission of bids, in accordance with ITB 22.
- 24.2 Bids requested to be withdrawn in accordance with ITB 24.1 shall be returned unopened to the Bidders.
- 24.3 No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Letter of Bid or any extension thereof.
- 25. Bid Opening25.1 The Employer shall open the bids in public, in the presence of Bidders' designated representatives and anyone who choose to attend, and at the address, date and time specified in the BDS. Any specific electronic bid opening procedures required if electronic bidding is permitted in accordance with ITB 22.1, shall be as specified in the BDS.
 - 25.2 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening. Next, envelopes marked "SUBSTITUTION" shall be opened and read out and exchanged with the corresponding bid being substituted, and the substituted bid shall not be opened, but returned to the Bidder. No bid substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at bid opening. Envelopes marked "MODIFICATION" shall be opened and read out with the corresponding bid. No bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at bid opening. Only bids that are opened and read out at bid opening shall be considered further.
 - 25.3 All other envelopes shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the Bid Price(s), including any discounts and alternative offers; the presence or absence of a bid security, if required; and any other details as the Employer may consider appropriate. Only discounts and alternative offers read out at bid opening shall be considered for evaluation. If so requested by the Employer in the BDS, the Letter of Bid and the Bill of Quantities are to be initialed by

representatives of the Employer attending bid opening in the manner indicated in the BDS. No bid shall be rejected at bid opening except for late bids, in accordance with ITB 23.1.

25.4 The Employer shall prepare a record of the bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification; the Bid Price, per lot if applicable, including any discounts and alternative offers; and the presence or absence of a bid security, if one was required. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders.

E. Evaluation and Comparison of Bids

- 26. Confidentiality26.1 Information relating to the evaluation of bids and recommendation of contract award shall not be disclosed to Bidders or any other persons not officially concerned with such process until information on Contract award is communicated to all Bidders.
 - 26.2 Any attempt by a Bidder to influence the Employer in the evaluation of the bids or Contract award decisions may result in the rejection of its bid.
 - 26.3 Notwithstanding ITB 26.2, from the time of bid opening to the time of Contract award, if any Bidder wishes to contact the Employer on any matter related to the bidding process, it may do so in writing.
- 27. Clarification of Bids
 27.1 To assist in the examination, evaluation, and comparison of the bids, and qualification of the Bidders, the Employer may, at its discretion, ask any Bidder for a clarification of its bid. Any clarification submitted by a Bidder that is not in response to a request by the Employer shall not be considered. The Employer's request for clarification and the response shall be in writing. No change in the prices or substance of the bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the bids, in accordance with ITB 31.
 - 27.2 If a Bidder does not provide clarifications of its bid by the date and time set in the Employer's request for clarification, its bid may be rejected.
- 28. Deviations, 28.1 During the evaluation of bids, the following definitions Reservations, and

Omissions		apply:
		(a) "Deviation" is a departure from the requirements specified in the Bidding Document;
		(b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document; and
		(c) "Omission" is the failure to submit part or all of the information or documentation required in the Bidding Document.
29. Determination of Responsiveness	29.1	The Employer's determination of a bid's responsiveness is to be based on the contents of the bid itself, as defined in ITB11.
	29.2	A substantially responsive bid is one that meets the requirements of the Bidding Document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that,
		(a) if accepted, would
		 (i) affect in any substantial way the scope, quality, or performance of the Works specified in the Contract; or
		 (ii) limit in any substantial way, inconsistent with the Bidding Document, the Employer's rights or the Bidder's obligations under the proposed Contract; or
		(b) if rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive bids.
	29.3	The Employer shall examine the technical aspects of the bid submitted in accordance with ITB 16, Technical Proposal, in particular, to confirm that all requirements of Section VI, Works Requirements have been met without any material deviation, reservation or omission.
	29.4	If a bid is not substantially responsive to the requirements of the Bidding Document, it shall be rejected by the Employer and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.
30. Nonmaterial Nonconformities	30.1	Provided that a bid is substantially responsive, the Employer may waive any nonconformities in the bid that do not constitute a material deviation, reservation or omission.

- 30.2 Provided that a bid is substantially responsive, the Employer may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities in the bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the price of the bid. Failure of the Bidder to comply with the request may result in the rejection of its bid.
- 30.3 Provided that a bid is substantially responsive, the Employer shall rectify quantifiable nonmaterial nonconformities related to the Bid Price. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component. The adjustment shall be made using the method indicated in Section III, Evaluation and Qualification Criteria.
- 31.1 Provided that the bid is substantially responsive, the Employer shall correct arithmetical errors on the following basis:
 - (a) if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Employer there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
 - (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
 - 31.2 If the Bidder that submitted the lowest evaluated bid does not accept the correction of errors, its bid shall be rejected.
- 32. Conversion to Single Currency32.1 For evaluation and comparison purposes, the currency(ies) of the bid shall be converted into a single currency as specified in the BDS.
- **33. Margin of Preference 33.1 Unless otherwise specified in the BDS**, a margin of preference shall not apply.
- 34. Evaluation of Bids 34.1 The Employer shall use the criteria and methodologies

31. Correction of Arithmetical Errors listed in this Clause. No other evaluation criteria or methodologies shall be permitted.

- 34.2 To evaluate a bid, the Employer shall consider the following:
 - (a) the bid price, excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities, but including Daywork items, where priced competitively;
 - (b) price adjustment for correction of arithmetic errors in accordance with ITB 31.1;
 - (c) price adjustment due to discounts offered in accordance with ITB 14.4;
 - (d) converting the amount resulting from applying (a) to(c) above, if relevant, to a single currency in accordance with ITB 32;
 - (e) price adjustment due to quantifiable nonmaterial nonconformities in accordance with ITB 30.3;
 - (f) the evaluation factors indicated in Section III, Evaluation and Qualification Criteria;
- 34.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in bid evaluation.
- 34.4 If these Bidding Documents allows Bidders to quote separate prices for different lots (contracts), and the award to a single Bidder of multiple lots (contracts), the methodology to determine the lowest evaluated price of the lot (contract) combinations, including any discounts offered in the Letter of Bid Form, is specified in Section III, Evaluation and Qualification Criteria.
- 34.5 If the bid, which results in the lowest Evaluated Bid Price, is seriously unbalanced or front loaded in the opinion of the Employer, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, taking into consideration the schedule of estimated Contract payments, the Employer may require that the amount of the performance security be increased at the expense of the Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful

Bidder under the Contract.

- 35. Comparison of Bids35.1 The Employer shall compare all substantially responsive bids in accordance with ITB 34.2 to determine the lowest evaluated bid.
- 36. Qualification of the Bidder
 36.1 The Employer shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive bid either continues to meet (if prequalification applies) or meets (if postqualification applies) the qualifying criteria specified in Section III, Evaluation and Qualification Criteria.
 - 36.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 17.1.
 - 36.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event the Employer shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's qualifications to perform satisfactorily.
- 37. Employer's Right to Accept Any Bid, and to Reject Any or All Bids
 37.1 The Employer reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders. In case of annulment, all bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.

F. Award of Contract

- 38. Award Criteria38.1 Subject to ITB 37.1, the Employer shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Document, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.
- 39. Notification of Award
 39.1 Prior to the expiration of the period of bid validity, the Employer shall notify the successful Bidder, in writing, that its bid has been accepted. The notification letter (hereinafter and in the Conditions of Contract and Contract Forms called the "Letter of Acceptance") shall specify the sum that the Employer will pay the Contractor in consideration of the execution and completion of the Works (hereinafter and in the Conditions of Contract and Contract Forms called "the Contract Price") and the requirement for the Contractor to remedy any defects therein as prescribed by the Contract. At the same time,

		the Employer shall also notify all other Bidders of the results of the bidding and shall publish in OJEU the results identifying the bid and lot numbers and the following information:
		(i) name of each Bidder who submitted a Bid;
		(ii) bid prices as read out at Bid Opening;
		(iii) name and evaluated prices of each Bid that was evaluated;
		(iv) name of bidders whose bids were rejected and the reasons for their rejection; and
		(v) name of the successful Bidder, and the Price it offered, as well as the duration and summary scope of the contract awarded.
	39.2	Until a formal contract is prepared and executed, the notification of award shall constitute a binding Contract.
	39.3	The Employer shall promptly respond in writing to any unsuccessful Bidder who, after notification of award in accordance with ITB 39.1, requests in writing the grounds on which its bid was not selected.
40. Signing of Contract	40.1	Promptly upon notification, the Employer shall send the successful Bidder the Contract Agreement.
	40.2	Within twenty-eight (28) days of receipt of the Contract Agreement, the successful Bidder shall sign, date, and return it to the Employer.
41. Performance Security	41.1	Within twenty-eight (28) days of the receipt of notification of award from the Employer, the successful Bidder shall furnish the performance security in accordance with the General Conditions of Contract, subject to ITB 34.5, using for that purpose the Performance Security Form included in Section IX, Annex to the Particular Conditions - Contract Forms, or another form acceptable to the Employer. If the performance security furnished by the successful Bidder is in the form of a bond, it shall be issued by a bonding or insurance company that has been determined by the successful Bidder to be acceptable to the Employer. A foreign institution providing a bond shall have a correspondent financial institution located in the Employer's Country.
	41.2	Failure of the successful Bidder to submit the above- mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the

- C
- 41. Pe Se

award and forfeiture of the bid security. In that event the Employer may award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and is determined by the Employer to be qualified to perform the Contract satisfactorily.

Section II. Bid Data Sheet

A. Introduction			
ITB 1.1	The number of the Invitation for Bids is: CORRX.E75.EIB.PACK1.ICB		
ITB 1.1	The Employer is: Koridori Srbije d.o.o. Beograd (KSDOO)		
ITB 1.1	The name of the ICB is: Construction of Highway E 75, section Grdelica (Gornje Polje) – Caricina Dolina The identification number of the ICB is: CORRX.E75.EIB.PACK1.ICB		
	The number and identification of LOTs comprising this ICB is: 2 (two) LOT 1: Construction of Highway E75, Road and bridges at sub-section Grdelica-Tunnel Predejane; ICB No.: CORRX.E75.EIB.PACK1-LOT1.ICB		
	LOT 2: Construction of Highway E75, Road and bridges at sub-section Tunnel Predejane-Caricina Dolina, ICB No.: CORRX.E75.EIB.PACK1-LOT2.ICB		
ITB 2.1	The Borrower is: The Republic of Serbia.		
ITB 2.1	The name of the Project is: Corridor X Highway Project		
ITB 4.8	Not applicable		
	B. Bidding Documents		
ITB 7.1	For <u>clarification purposes</u> only, the Employer's address is: Koridori Srbije d.o.o. Beograd Attention: Mr. Mihajlo Mišić Street Address: 21 Kralja Petra Street City: Belgrade ZIP Code: 11000 Country: Serbia Telephone: +381-11-33-44-174 Facsimile number: +381-11-32-48-682 Electronic mail address: <u>procurement@koridorisrbije.rs</u> All requests for clarification shall be submitted in English language.		
ITB 7.4	A Pre-Bid meeting will take place at the following date, time and place: Date: November 10, 2011 Time: 12:00 hours, local time (GMT+1) Place: Vladicin Han, Address: 2, Nikole Tesle Street (Center for cultural activities, tourism and Library – Centar za kulturne delatnosti, turizam i bibliotekarstvo) A site visit conducted by the Employer will be organized on the same date. Starting location will be announced at the Pre-Bid meeting.		

	C. Preparation of Bids		
ITB 10.1	The language of the bid is: English		
	Copies of original documents which confirm the legal status and qualification of the applicant must be certified or notarized. If the original documents are not in English language, these should be accompanied by an accurate translation into English. Only those documents which confirm the legal status and qualification of the bidder must be confirmed by an authorized translator. Authorized translation does not necessarily mean certified translation by a translator and/or a notary authorized by the competent organs of the Republic of Serbia.		
ITB 11.1 (a)	Replace the line (a) with the following:		
	(a1) Letter of Technical Bid(a2) Letter of Financial Bid and Appendix to Bid		
ITB 11.1 (f)	Copies of required original supporting documents do not have to be certified. Those documents may be in another language provided they are accompanied by an accurate translation into English.		
ITB 11.1 (h)	The Applicant shall submit with its application, the following additional documents:		
	 Statement that Applicant possess or will apply, following the award of the contract, for the relevant license for performance of construction works at the relevant ministry and under the Laws of the Republic of Serbia in particular for highways, arterial and regional roads, traffic connections to highways, arterial and regional roads; for LOT 1 and LOT 2 licenses for construction works on roads (I131G2) and for construction of structures-bridges (I132G1). The Employer will provide required assistance to the Contractor in obtaining such licenses and any undue delays caused in the issuance of the licenses which is beyond the control of the Contractor will be taken into account for suitable extension of the time for completion of the contract without any penalties or damages to the Contractor. Statement that if the Applicant wins the Contract he will have among his personnel suitable qualified engineers who have or will apply for the licenses 410 and 412 or 415. The Bidder shall also submit the following supplementary information accompanying, but not forming part of, his bid: name and address of the Bank which will provide the Performance Security and Advance Payment Guarantee, name and address of insurers. 		
ITB 13.2	Alternative times for completion will not be permitted.		
ITB 13.4	Alternative technical solutions shall be permitted for the following parts of the Works: not applicable		
ITB 14.4	Bids are invited for one or both LOTs. Each LOT must be priced separately. Bidders have the option to bid for one or both LOTs. Bids will		

	be evaluated taking into account discounts offered for combined LOTs. The award will be made to the lowest evaluated substantially responsive	
	bid provided the bidder meets the post-qualification criteria. If a bidder is successful for both LOTs, but does not meet the combined post qualification criteria for both LOTs, the Employer will decide which LOT(s) will be awarded to the successful bidder based on lowest evaluated total cost to the Employer of both LOTs and up to the capacity limitation of the bidder.	
	The Bidders are allowed to propose one joint team of personnel if they are bidding for both LOTs.	
ITB 14.7	The prices in Bill of Quanitites include all duties, taxes and other levies excluding VAT (Value Added Taxes). Companies are not exempted from taxation. The project is VAT excluded. The procedures concerning VAT are explained in the law of Value Added Taxes ("Official Gazette of Republic of Serbia", No. 84/2004, 86/2004 and corrections 61/2005 and 61/2007).	
ITB 15.1	The currency(ies) of the bid and the payment currency(ies) shall be in accordance with Alternative A as described below:	
	Alternative A (Bidders to quote entirely in local currency):	
	 (a) The unit rates and the prices shall be quoted by the Bidder in the Bill of Quantities, entirely in Serbian Dinars (RSD), and further referred to as "the local currency". A Bidder expecting to incur expenditures in other currencies for inputs to the Works supplied from outside the Employer's country (referred to as "the foreign currency requirements") shall indicate in the Appendix to Bid - Table C, the percentage(s) of the Bid Price (excluding Provisional Sums), needed by him for the payment of such foreign currency requirements, limited to no more than three foreign currencies of any country. (b) The rates of exchange to be used by the Bidder in arriving at the local currency equivalent and the percentage(s) mentioned in (a) above shall be specified by the Bidder in the Appendix to Bid - Table C, and should be equal to the selling rates of the National Bank of Serbia on the Base Date, and shall apply for all payments under the Contract so that no exchange risk will be borne by the successful Bidder. 	
ITB 18.1	The bid validity period shall be 150 (hundredandfifty) days.	
ITB 18.3 (a)	The bid price shall be adjusted by the following factor: not applicable	
ITB 18.3 (b)	The fixed portion of the bid price shall be adjusted by the following factor: not applicable	
ITB 19.1	A bid security shall be required. A Bid-Securing Declaration shall not be required. The amount and currency of the bid security shall be: LOT1 1.250.000 EUR LOT2 1.250.000 EUR	
	(Equivalent in a freely convertible currency) or aggregate sum if bidding	

	for more than one LOT. The bid security shall be issued by reputable bank from an eligible country or by a bank registered and operating under the laws of the Republic of Serbia, acceptable to the Employer.	
ITB 19.3 (d)	Other types of acceptable securities: none	
ITB 20.1	In addition to the original of the bid, the number of copies is: 2 (two)	
ITB 20.2	The written confirmation of authorization to sign on behalf of the Bidder shall consist of: Power of Attorney authorising the Bidder's empowered representative to submit the Bid and to commit the Bidder to a contract. The Power of Attorney must give the name, address and capacity of the person so empowered and must be signed and dated by a person duly authorised by the Bidder. Minutes of board meetings or other documents authorising the signatory of the Power of Attorney must be attached. The person who grants the Power of Attorney must be duly authorised to do so and the Bidder must provide written evidence of this. If the Original Power of Attorney is drafted in other language than English, Bidders are required to attach also the authorized English translation.	
	D. Submission and Opening of Bids	
ITB 21.1	In case that size of the original and copies is too large to be enclosed in one single envelope it is acceptable to seal the original and copies in separate envelopes.	
ITB 21.4	The original and the copies of the bid shall each be delivered in a sealed outer envelope containing two separately sealed envelopes, as follows: Technical Bid (Envelope No. 1) shall be clearly marked "ENVELOPE No. 1-TECHNICAL BID", and shall contain only technical documents, needed to establish qualification of the Bidder, including Bid Security and Letter of Technical Bid without any indication of the bid price and any discounts offered (i.e. should include documents listed under 11.1 (a1), 11.1 (c), 11.1 (d), 11.1 (e), 11.1 (f), 11.1 (g) and 11.1 (h) and Covenant of Integrity, and must not include 11.1 (a2), 11.1 (b) priced Bill of Quantites and any other document containing the bid prices); Financial Bid (Envelope No. 2) shall be clearly marked "ENVELOPE No. 2-FINANCIAL BID", and shall contain only the Letter of Financial Bid and Appenix to Bid (11.1 (a2)) and priced Bill of Quantites (11.1 (b) and any other document or schedule (e.g. Cash Flow) containing the bid prices and any discounts offered, and should not contain any other schedules or document included in Envelope No. 1).	
ITB 22.1	For <u>bid submission purposes</u> only, the Employer's address is : Attention: Koridori Srbije d.o.o. Beograd Street Address: 21 Kralja Petra Street, floor II, room 228 City: Belgrade ZIP Code: 11000 Country: Serbia	

	The deadline for bid submission is:
	Date: December 15, 2011
	Time: 12:00 hours, local time (GMT+1)
	Bidders shall not have the option of submitting their bids electronically.
ITB 24.4	Substitution or Modification of Bids shall be delivered in a sealed outer envelope containing separate sealed envelopes clearely marked "TECHNICAL SUBSTITUTION" or "TECHNICAL MODIFICATION" and "FINANCIAL SUBSTITUTION" or "FINANCIAL MODIFICATION".
ITB 25.1	The <u>bid opening (only the technical bid-Envelope No. 1)</u> shall take place at:
	Street Address: 11, Nemanjina Street, floor IV, room 141 City : Belgrade Country: Serbia Date: December 15, 2011 Time: 13:00 hours, local time (GMT+1)
	During the bid opening, the Employer will only open technical bids- envelopes No 1. and check whether they contain (a1) Letter of Technical Bid, (a2) Power of Attorney, (a3) Bid Security (presence, amount and validity dates) and record in the minutes any apparent deviation. The Evaluation Committee will check the bidders qualifications and the technical aspects of the bid submitted in accordance with ITB 16. Any clarification of bids will be in line with ITB 27. Financial bids will be opened only for substantially responsive technical bids. The public <u>bid opening of the financial bid-Envelope No. 2, of the</u> substantially responsive technical bids, shall take place at: Street Address: 11, Nemanjina Street, floor IV, room 141 City : Belgrade
	Country: Serbia Date and time of financial bid opening shall be announced and the bidders notified after the technical evaluation of bids, at least 7 days prior the financial bid opening. The financial bids of the technical bids which were founded not- substantially responsive will be returned unopened. If bidders have the option of submitting their bids electronically, the electronic bid opening procedures shall be: not applicable
ITB 25.3	Replace ITB 25.3 with: All other envelopes marked "ENVELOPE No. 1-TECHNICAL BID", shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the presence or absence of a bid security, if required; and any other details as the Employer may consider appropriate. The Letter of Technical Bid is to be initialed by representatives of the Employer attending bid opening in the bottom right corner of each page for the Letter of Technical Bid. No bid shall be rejected at bid opening except for late bids, in accordance with ITB 23.1.

	At the time of energing the financial hide all other enveloped we deal
	At the time of opening the financial bids all other envelopes marked "ENVELOPE No. 2-FINANCIAL BID" of the technicly qualified bidders shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the Bid Price(s), including any discounts and alternative offers; and any other details as the Employer may consider appropriate. Only discounts and alternative offers read out at financial bid opening shall be considered for evaluation. The Letter of Financial Bid and the Bill of Quantities are to be initialed by representatives of the Employer attending financial bid opening as follows: signatures of the Employer's representatives in the bottom right corner of each page for the Letter of Financial Bid and the page with Grand Summary of the Bill of Quantity. No bid shall be rejected at bid opening.
ITB 25.4	Replace ITB 25.4 with:
	The Employer shall prepare a record of the technical bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification; and the presence or absence of a bid security, if one was required. The record of the technical bid opening shall not include the Bid Price, per lot if applicable, including any discounts and alternative offers. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders. The Bidders and whether there is a substitution, or modification; the Bid Price, per lot if applicable, including include, as a minimum: the name of the Bidder and whether there is a substitution, or modification; the Bid Price, per lot if applicable, including any discounts and alternative offers. The Bidders and whether there is a substitution, or modification; the Bid Price, per lot if applicable, including any discounts and alternative offers. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be requested to sign the record. The omission of a Bidder's alternative offers.
	E. Evaluation, and Comparison of Bids
ITB 26.4	All bidders shall be notified on the results of the technical evaluation, at the time of invitation to opening of the financial bids.
ITB 32.1	The currency that shall be used for bid evaluation and comparison purposes to convert all bid prices expressed in various currencies into a single currency is: RSD The source of exchange rate shall be: National Bank of Serbia The date for the exchange rate shall be: 28 days prior to the deadline for submission of bids, i.e. November 17, 2011. The currency(ies) of the Bid shall be converted into a single currency in accordance with the procedure under Alternative A that follows: Alternative A: Bidders quote entirely in local currency
	For comparison of bids, the Bid Price, corrected pursuant to Clause 31, shall first be broken down into the respective amounts payable in various currencies by using the exchange rates specified by the bidder in

	accordance with Sub-Clause 15.1. In the second step, the Employer will convert the amounts in various currencies in which the Bid Price is payable (excluding Provisional Sums but including Daywork where priced competitively) to the single currency identified above at the selling rates established for similar transactions by the authority specified and on the date stipulated above.
ITB 36.1	The Employer shall determine which bidders meet the qualifying criteria specified in Section III, Evaluation and Qualification Criteria prior to opening of the financial bids (Envelope No. 2).

Section III. Evaluation and Qualification Criteria

1. Evaluation

In addition to the criteria listed in ITB 34.2 (a) – (e) the following criteria shall apply:

1.1 Assessment of adequacy of Technical Proposal with Requirements

Evaluation of the Bidder's Technical Proposal will include an assessment of the Bidder's technical capacity to mobilize key equipment and personnel for the contract consistent with its proposal regarding work methods, scheduling, and material sourcing in sufficient detail and fully in accordance with the requirements stipulated in Section VI (Works Requirements).

1.2 Multiple Contracts, if permitted under ITB 34.4, will be evaluated as follows:

Bids are invited for one or both LOTs. Each LOT must be priced separately. Bidders have the option to bid for one or both LOTs. Bids will be evaluated taking into account discounts offered for combined LOTs. The award will be made to the lowest evaluated substantially responsive bid provided the bidder meets the post-qualification criteria. If a bidder is successful for both LOTs, but does not meet the combined post qualification criteria for both LOTs, the Employer will decide which LOT(s) will be awarded to the successful bidder based on lowest evaluated total cost to the Employer of both LOTs and up to the capacity limitation of the bidder.

The Bidders are allowed to propose one joint team of personnel if they are bidding for both LOTs.

- **1.3** Alternative Completion Times, if permitted under ITB 13.2, will be evaluated as follows: not applicable
- **1.4 Technical alternatives**, if permitted under ITB 13.4, will be evaluated as follows: not applicable

2. Qualification

Factor	Factor 2.1 ELIGIBILITY					
			Criteria			
				lder		Documentation
Sub-Factor	Requirement	Single Entity		Venture or Assoc		- Required
	Requirement		All partners combined	Each partner	At least one partner	
2.1.1 Nationality	Nationality in accordance with ITB 4.2.	Must meet requirement	Existing or intended JVA must meet requirement	Must meet requirement	N / A	Form ELI–1 and 2, with attachments
2.1.2 Conflict of Interest	No- conflicts of interests as described in ITB 4.3.	Must meet requirement	Existing or intended JVA must meet requirement	Must meet requirement	N / A	Letter of Bid
2.1.3 Bank Ineligibility	Not having been declared ineligible by the Bank as described in ITB 4.4.	Must meet requirement	Existing JVA must meet requirement	Must meet requirement	N / A	Letter of Bid
2.1.4 Government Owned Entity	Compliance with conditions of ITB 4.5	Must meet requirement	Must meet requirement	Must meet requirement	N / A	Form ELI–1 and 2, with attachments
2.1.5 Ineligibility based on a United Nations resolution or Borrower's country law	Not having been excluded as a result of the Borrower's country laws or official regulations, or by an act of compliance with UN Security Council resolution, in accordance with ITB 4.7	Must meet requirement	Existing JVA must meet requirement	Must meet requirement	N / A	Letter of Bid

	Factor	2.2 HI	STORICAL (CONTRACT	NON-PERFO	ORMANCE	
			Cr	riteria			
					lder		Documentation
S	ub-Factor	Requirement		Joint	Venture or Assoc	ciation	- Required
		Requirement	Single Entity	All partners combined	Each partner	At least one	Requireu
2.2.1	History of non- performing contracts	Non-performance of a contract did not occur within the last five (5) years prior to the deadline for bid submission, based on all information on fully settled disputes or litigation. A fully settled dispute or litigation is one that has been resolved in accordance with the Dispute Resolution Mechanism under the respective contract, and where all appeal instances available to the bidder have been exhausted.	Must meet requirement by itself or as partner to past or existing JVA	N/A	Must meet requirement by itself or as partner to past or existing JVA	partner N/A	Form CON - 2
2.2.2	Pending Litigation	a) All pending litigation shall in total not represent more than twenty percent (20 %) of the Bidder's net worth and shall be treated as resolved against the Bidder.	Must meet requirement by itself or as partner to past or existing JVA	N / A	Must meet requirement by itself or as partner to past or existing JVA	N / A	Form CON – 2

Factor		2.3 FINANCIAL SITUATION							
		С	riteria						
			B	Bidder		Documentation			
Sub-Factor	Requirement	Single	Joint	Venture or Asso	ciation	Required			
	Requirement	Entity	All partners combined	Each partner	At least one partner	Requireu			
2.3.1 Historical	Submission of audited balance								
Financial	sheets or if not required by the								
Performance	law of the bidder's country, other								
	financial statements acceptable to								
	the Employer, for the last three								
	[3] years to demonstrate the								
	current soundness of the bidders	Must meet	N / A	Must meet	N / A	Form FIN –1 with			
	financial position and its	requirement	\mathbf{N} / \mathbf{A}	requirement	\mathbf{N} / \mathbf{A}	attachments			
	prospective long term								
	profitability.								
	(c) A Bidder's networth								
	calculated as the difference								
	between total assets and total								
	liabilities should be positive.								
2.3.2. Average	Minimum average annual								
Annual	turnover of:								
Turnover	LOT 1: 35 mil. EUR								
	LOT 2: 35 mil. EUR								
	calculated as total certified			Must meet	Must meet				
	payments received for contracts in	Must meet	Must meet	twenty percent	forty percent	Form FIN –2			
	progress or completed, within the	requirement	requirement	(20 %) of the	(40 %) of the				
	last three (3) years.			requirement	requirement				
	Remark:								
	If bidding for both LOTs, the								
	Bidder must meet cumulative								
	requirements.								

Factor		2.3 F	INANCIAL S	ITUATION		
		С	riteria			
				Bidder		Documentation
Sub-Factor	Requirement	Single	Joint	Venture or Assoc	iation	- Required
	Kequitement	Entity	All partners combined	Each partner	At least one partner	Requireu
2.3.3. Financial Resources	The Bidder must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, lines of credit, and other financial means, other than any contractual advance payments to meet: (i) the following cash-flow requirement: LOT 1: 15 mil. EUR LOT 2: 15 mil. EUR and (ii) the overall cash flow requirements for this contract and its current commitments. Remark: If bidding for both LOTs, the Bidder must meet cumulative requirements.	Must meet requirement	Must meet requirement			Form FIN –3 Form FIN –4

Factor		2.4 EXPERIENCE				
		С	riteria			
				lder		Documentation
Sub-Factor	Requirement			Venture or A		Required
		Single Entity	All partners combined	Each partner	At least one partner	-
2.4.1General Experience	Construction experience under contracts in the role of contractor, subcontractor, or management contractor for at least the last five (5) years prior to the bid submission deadline, and with activity in at least nine (9) months in each year.	Must meet requirement	N / A	Must meet requirement	N / A	Form EXP-1
2.4.2Specific Experience	 (a) Participation as contractor, management contractor, or subcontractor, in at least one (1) contract within the last five (5) years, with a value of his participation in the contract of at least: LOT 1: 30 mil.EUR LOT 2: 30 mil.EUR that have been successfully and substantially completed and that are similar to the proposed Works. The similarity shall be based on physical size and complexity (should include substantial completion of at least one bridge of not less than 500 meters, no matter of contract value), or other characteristics as 	Must meet requirement	Must meet requirements for all characteristics	N / A	Must meet at least 80% of requirement for the contract value	Form EXP 2(a)

Factor		2.4 EXPERIENCE				
		C	riteria			
			Bid	lder		Documentation
Sub-Factor	De continent ent		Joint	Venture or As	ssociation	- Required
	Requirement	Single Entity	All partners	Each	At least one	Kequiteu
		8 1	combined	partner	partner	
	described in Section VI, Works'					
	Requirements.					
	Above mentioned requirement					
	means completed contracts and					
	also those in progress but which					
	are at least 80% completed.					
	Remark:					
	If bidding for both LOTs, the					
	Bidder must meet cumulative					
	requirements.					

Factor	actor 2.4 EXPERIENCE					
		С	riteria			
				lder		Documentation
Sub-Factor	Requirement			Venture or		Required
	incquirement	Single Entity	All partners combined	Each partner	At least one partner	1
2.4.2 Specific Experience	 b) For the above or other contracts executed during the period stipulated in 2.4.2(a) above, a minimum experience in the following key activities in any one of last five (5) years: LOT 1 1. earthworks and rock excavation 450.000 m³/year 2. embankment construction 200.000 m³/year 3. asphalt production and placement 50.000 t/year 4. structural concrete production and placement 20.000 m³/year 1. earthworks and rock excavation 450.000 m³/year 2. embankment construction 200.000 m³/year 3. asphalt production and placement 20.000 m³/year 1. earthworks and rock excavation 450.000 m³/year 2. embankment construction 200.000 m³/year 3. asphalt production and placement 20.000 m³/year 3. asphalt production and placement 20.000 m³/year 4. structural concrete production and placement 50.000 t/year 4. structural concrete Intervent 20.000 m³/year 3. asphalt production and placement 20.000 m³/year 3. asphalt production and placement 20.000 m³/year 4. structural concrete Intervent 20.000 m³/year 5. asphalt production and placement 20.000 m³/year 4. structural concrete Intervent 20.000 m³/year 4. structural concrete Intervent 20.000 m³/year 5. asphalt production and placement 20.000 m³/year 	Must meet requirements	Must meet requirements	N / A	 Each requirement for the key activities listed bellow must be meet by at least one partner. Partners can individually meet the requirements: LOT 1 1. earthworks and rock excavation 180.000 m³/year 2. embankment construction 80.000 m³/year 3. asphalt production and placement 20.000 t/year 4. structural concrete production and placement 8.000 m³/year LOT 2 1. earthworks and rock excavation 180.000 m³/year 	Form EXP-2(b) Form EXP-2(b-1)

Factor		2	2.4 Experie	NCE		
		C	riteria			
			Bid	der		_ Documentatio
Sub-Factor	Dequirement		Joint	Venture or	Association	- Required
	Requirement	Single Entity	All partners	Each	At least one	Kequireu
			combined	partner	partner	
	cumulative requirements.				 construction 80.000 m³/year asphalt production and placement 20.000 t/year structural concrete production and placement 8.000 m³/year Remark: If bidding for both LOTs, the Bidder must meet cumulative requirements. 	

2.5 PERSONNEL

The Bidder must demonstrate that it has the personnel for the key positions that meet the following requirements:

LOT	1		
No.	Position	Total Work Experience (years)	In Similar Works Experience (years)
1	Project Manager	15	7
2	Site Manager (Roads)	10	5
3	Site Manager (Bridges)	10	5
4	Quality Assurance Manager	10	5
5	Earthworks Manager	10	5
6	Pavement Works Manager	15	5
7	Environmental Manager	10	5

LOT 2

No.	Position	Total Work Experience (years)	In Similar Works Experience (years)
1	Project Manager	15	7
2	Site Manager (Roads)	10	5
3	Site Manager (Bridges)	10	5
4	Quality Assurance Manager	10	5
5	Earthworks Manager	10	5
6	Pavement Works Manager	15	5
7	Environmental Manager	10	5

The Bidder shall provide details of the proposed personnel and their experience records in the relevant Information Forms included in Section IV, Bidding Forms.

2.6 EQUIPMENT

The Bidder must demonstrate that it owns, or has assured access to (through hire, lease, purchase agreement, availability of manufacturing equipment, or other means), the key items of equipment listed hereafter in full working order, and must demonstrate that, based on known commitments, they will be available for use in the contract. The Bidder may also list alternative equipment which he would propose to use for the contract.

LOT	1	
No.	Equipment Type and Characteristics	Minimum Number required
1	Hot asphalt mixing plant, min capacity 200 t/h	1 piece
2	Wheeled asphalt paver, width min 7 m, laying capacity 50 t/hour	4 pieces
3	Concrete batching plant, min capacity 30 m3/h	2 pieces
4	Concrete pump, min capacity 25 m3/h	2 pieces
5	Equipment for bored piles (Ø1200mm, not older than 5 years)	2 pieces
6	Auto crane (35-75t)	4 pieces
7	Grader	3 pieces
8	Excavator	8 pieces
9	Bulldozer	6 pieces
10	Compactor	2 pieces
11	Loader	11 pieces
12	Transport mixer	4 pieces
13	Tipper truck, min capacity 20 t	40 pieces
14	Combined roller	3 pieces
15	Tandem roller, min capacity 10 t	8 pieces

LOT 2

No.	Equipment Type and Characteristics	Minimum Number required
1	Hot asphalt mixing plant, min capacity 200 t/h	1 piece
2	Wheeled asphalt paver, width min 7 m, laying capacity 50 t/hour	4 pieces
3	Concrete batching plant, min capacity 30 m3/h	2 pieces
4	Concrete pump, min capacity 25 m3/h	2 pieces
5	Equipment for bored piles (Ø1200mm, not older than 5 years)	2 pieces
6	Auto crane (35-75t)	4 pieces
7	Grader	3 pieces
8	Excavator	8 pieces
9	Bulldozer	6 pieces
10	Compactor	2 pieces
11	Loader	11 pieces
12	Transport mixer	4 pieces
13	Tipper truck, min capacity 20 t	40 pieces
14	Combined roller	3 pieces
15	Tandem roller, min capacity 10 t	8 pieces

The Bidder shall provide further details of proposed items of equipment using the relevant Form in Section IV, Bidding Forms.

Note: If the equipment is owned by the bidder, the proof of ownership (copy of working license, contract of purchase or similar) should be delivered with the Form EQU. If the equipment is rented, leased or being purchased, copy of the relevant contract for rent, leasing or purchase should be submitted with the Form EQU.

Section IV. Bidding Forms

Table of Forms

Bid Submission Sheet Letter of Technical Bid Letter of Financial Bid Appendix to Bid Covenant of Integrity Bill of Quantities LOT 1 LOT 2 Technical Proposal Personnel Bidders Qualification Form of Bid Security

Letter of Technical Bid (Technical Bid Submission Sheet)

Date: ______ ICB No.: _____ Invitation for Bid No.: CORRX.E75.EIB.PACK1.ICB

To: Koridori Srbije d.o.o. Beograd, 21 Kralja Petra Street, 11000 Belgrade, Republic of Serbia

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Document, including Addenda issued in accordance with Instructions to Bidders (ITB 8)______
- (b) We offer to execute in conformity with the Bidding Document the following Works:
- (c) Our bid shall be valid for a period of onehundredfifty (150) days from the date fixed for the bid submission deadline in accordance with the Bidding Document, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (d) If our bid is accepted, we commit to obtain a performance security in accordance with the Bidding Document;
- (e) We, including any subcontractors or suppliers for any part of the contract, have or will have nationalities from eligible countries, in accordance with ITB 4.2;
- (f) We, including any subcontractors or suppliers for any part of the contract, do not have any conflict of interest in accordance with ITB 4.3;
- (g) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process in accordance with ITB 4.3, other than alternative offers submitted in accordance with ITB 13;
- (j) We, including any of our subcontractors or suppliers for any part of the contract, have not been declared ineligible by the Bank, under the Employer's country laws or official regulations or by an act of compliance with a decision of the United Nations Security Council;
- (k) We are not a government owned entity/ We are a government owned entity but meet the requirements of ITB-4.5;¹
- (1) We have paid, or will pay the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract:

¹ Bidder to use as appropriate

Name of Recipient	vient Address Reason		Amount

(If none has been paid or is to be paid, indicate "none.")

- (m) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and
- (n) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.
- (o) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Name	In the capacity of	
Signed		
Duly authorized to sign the	bid for and on behalf of	
Dated on	day of	,

Letter of Financial Bid (Financial Bid Submission Sheet)

Date: ______ ICB No.: _____ Invitation for Bid No.: CORRX.E75.EIB.PACK1.ICB

To: Koridori Srbije d.o.o. Beograd, 21 Kralja Petra Street, 11000 Belgrade, Republic of Serbia

We, the undersigned, declare that:

- (h) We have examined and have no reservations to the Bidding Document, including Addenda issued in accordance with Instructions to Bidders (ITB 8)_____;
- (i) We offer to execute in conformity with the Bidding Document the following Works:

- (j) The total price of our Bid, excluding any discounts offered in item (d) below is:
- (k) The discounts offered and the methodology for their application are:
- Our bid shall be valid for a period of onehundredfifty (150) days from the date fixed for the bid submission deadline in accordance with the Bidding Document, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (m) If our bid is accepted, we commit to obtain a performance security in accordance with the Bidding Document;
- (n) We, including any subcontractors or suppliers for any part of the contract, have or will have nationalities from eligible countries, in accordance with ITB 4.2;
- (o) We, including any subcontractors or suppliers for any part of the contract, do not have any conflict of interest in accordance with ITB 4.3;
- (p) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process in accordance with ITB 4.3, other than alternative offers submitted in accordance with ITB 13;
- (j) We, including any of our subcontractors or suppliers for any part of the contract, have not been declared ineligible by the Bank, under the Employer's country laws or official regulations or by an act of compliance with a decision of the United Nations Security Council;

- (k) We are not a government owned entity/ We are a government owned entity but meet the requirements of ITB-4.5;²
- (1) We have paid, or will pay the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract:

Name of Recipient	Address	Reason	Amount

(If none has been paid or is to be paid, indicate "none.")

- (m) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and
- (n) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.
- (o) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

 Name
 In the capacity of

Signed _____

Duly authorized to sign the bid for and on behalf of _____

Dated on	day of
-	

² Bidder to use as appropriate

Appendix to Bid

Schedule of Adjustment Data

[In Tables A, B, and C, below, the Bidder shall (a) indicate its amount of local currency payment, (b) indicate its proposed source and base values of indices for the different foreign currency elements of cost, (c) derive its proposed weightings for local and foreign currency payment, and (d) list the exchange rates used in the currency conversion. In the case of very large and/or complex works contracts, it may be necessary to specify several families of price adjustment formulae corresponding to the different works involved.]

Table A.	Local Currency
----------	----------------

Index code	Index description	Source of index	Base value and date	Bidder's related currency amount	Bidder's proposed weighting
	Nonadjustable				A: 0,1
	Labour	*			B:
	Quarried aggregates	*	28 days prior to bid submission		C:
	Cement	*	date		D:
	Reinforcing steel	*			E:
	Bitumen	*			F:
	Diesel fuel	*			G:
			Total		1.00

Note: Bidder's proposed weighting should be consistent with the works.

*	Source	of index
---	--------	----------

Index description	Source of index
Labour	Statistical Office of the Republic Serbia, Communication ZP11 (Statistics of Earnings) – Table 1: Average gross salaries and wages per employee – Construction
Quarried aggregates	Statistical Office of the Republic Serbia, Communication CN 20 – Indices of producers prices of manufactured products in Republic of Serbia: Other mining and quarrying
Cement	Statistical Office of the Republic Serbia, Communication CN 20 – Indices of producers prices of manufactured products in Republic of Serbia: Materials for incorporating in construction
Reinforcing steel	Statistical Office of the Republic Serbia, Communication CN 20 – Indices of producers prices of manufactured products in Republic of Serbia: Manufacture of basic metals
Bitumen	Statistical Office of the Republic Serbia, Communication CN 20 – Indices of producers prices of manufactured products in Republic of Serbia: Manufacture of coke and refined petroleum products
Diesel fuel	Statistical Office of the Republic Serbia, Communication CN 20 – Indices of producers prices of manufactured products in Republic of Serbia: Liquid fuels and lubricants

Table B. Foreign Currency (FC)

State type: [If the Bidder is allowed to quote in local and foreign currencies and the Bidder wishes to quote in more than one foreign currency, this table should be repeated for each foreign currency.]

Index code	Index description	Source of index	Base value and date	Bidder's related source currency in type/amount	Equivalent in FC1	Bidder's proposed weighting
	Nonadjustable	—				A: 0,1
	Labour		28 days prior to bid			B:
	Quarried aggregates		submission date			C:
	Cement					D:
	Reinforcing steel					E:
	Bitumen					F:
	Diesel fuel					G:
				Total		1.00

Note: For foreign currency the Bidder will indicate the sources of indices. European Union Statistical Office indices for the Euro area are acceptable if the foreign currency is EUR.

Table C. Summary of Payment Currencies

For Construction of Highway E 75 Section: Grdelica (Gornje Polje) – Caricina Dolina, LOT 1 and LOT 2

Name of	A Amount of	B* Rate of	C Local currency	D Percentage of
payment	currency	exchange	equivalent	Net Bid Price
currency	v	(local currency	$\mathbf{C} = \mathbf{A} \mathbf{x} \mathbf{B}$	(NBP)
currency		per unit of	0 11 11 2	<u>100xC</u>
				NBP
		foreign)		NBP
Local currency		1.00		
Foreign currency #1				
Foreign currency #2				
Foreign currency #				
Net Bid Price				100.00
Provisional sums expressed in local currency	-	-	-	-
BID PRICE				

* Selling exchange rates on the Base Date (the date 28 days prior to the latest date for submission of the Bid) in power by the National Bank of Serbia shall be used.

Covenant of Integrity

Date: ______ ICB No.: ______ Invitation for Bid No.: CORRX.E75.EIB.PACK1.ICB

To: Koridori Srbije d.o.o. Beograd, 21 Kralja Petra Street, 11000 Belgrade, Republic of Serbia

"We declare and covenant that neither we nor anyone, including any of our directors, employees or agents, acting on our behalf with due authority or with our knowledge or consent, or facilitated by us, has engaged, or will engage, in any Prohibited Practice (as defined below) in connection with the tendering process or in the execution or supply of any works, goods or services for *[specify the contract or tender invitation]* (the "Contract") and covenant to so inform you if any instance of any such Prohibited Practice shall come to the attention of any person in our organisation having responsibility for ensuring compliance with this Covenant. We shall, for the duration of the bidding process and, if we are successful in our bid, for the duration of the Contract, appoint and maintain in office an officer, who shall be a person reasonably satisfactory to you and to whom you shall have full and immediate access, having the duty, and the necessary powers, to ensure compliance with this Covenant.

If (i) we have been, or any such director, employee or agent acting as aforesaid has been, convicted in any court of any offence involving a Prohibited Practice in connection with any bidding process or provision of works, goods or services during the five years immediately preceding the date of this Covenant, or (ii) any such director, employee or agent has been dismissed or has resigned from any employment on the grounds of being implicated in any Prohibited Practice, we give details of that conviction, dismissal or resignation below, together with details of the measures that we have taken, or shall take, to ensure that neither this company nor any of our directors, employees or agents commits any Prohibited Practice in connection with the Contract [give details if necessary].

In the event that we are awarded the Contract, we grant the Project Owner, the European Investment Bank (EIB) and auditors appointed by either of them, as well as any authority having competence under European Union law, the right of inspection of our records.

We accept to preserve these records generally in accordance with applicable law but in any case for at least six years from the date of substantial performance of the Contract."

For the purpose of this Covenant,

• "Corrupt Practice" means the offering, giving or promising of any improper advantage to influence the action of a Public Official, or the threatening of injury to his person, employment, property, rights or reputation, in connection with any procurement process or in the execution of any contract in order that any person may obtain or retain business improperly or obtain any other improper advantage in the conduct of business.

• "Fraudulent Practice" means a dishonest statement or act of concealment which is intended to, or tends to, influence improperly the procurement process or the execution of a contract to the detriment of the Project Owner, or is designed to establish bid prices at non-competitive levels and to deprive the Project Owner of the benefits of fair and open competition, and includes collusive practices (whether before or after bid submission) among bidders or between a bidder and a consultant or a representative of the Project Owner. • "Project Owner" means the person designated as such in the bidding documents or the Contract.

• "Public Official" means any person holding a legislative, administrative, managerial, political or judicial post in any country, or exercising any public function in any country; or a director or employee of a public authority or of a legal person controlled by a public authority of any country; or a director or official of a public international organisation.

• "Prohibited Practice" means an act that is a Corrupt Practice or a Fraudulent Practice.

Name	In the capacity of
Signed	
Duly authorized to sign the bid for and on beh	alf of
Dated on	day of,

Preamble

- 1. The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, General and Special Conditions of Contract, Technical Specifications, and Drawings.
- 2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices bid in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.
- 3. The rates and prices bid in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract, include all Constructional Plant, labour, supervision, materials, erection, maintenance, insurance, profit, taxes, and duties, together with all general risks, liabilities, and obligations set out or implied in the Contract.

The unit prices in this programme shall cover inter alia:

- costs of labour, used materials and equipment of the Contractor,
- costs of location for Contractor's facilities, plants, storage place, parking, offices etc.,
- costs of workers' camp, local transport to site and back, travel allowances to workers for trips home,
- costs of transport of materials and equipment of the Contractor to site,
- costs of possible rent of machinery, equipment and vehicles,
- costs of unloading, transhipment, storage, keeping, local deliveries of materials to places of use, equipment and plant of the Contractor,
- taxes, custom duties and levies related to the works pursuant to the contract provisions,
- cost of performance guarantee,
- insurance costs: for workers (health insurance included), for plants, structures and third parties pursuant to the relevant contract provisions,
- costs of electricity, water, heating, gas, telephone, fax during works,
- costs of waste disposal in city dump area,
- costs of construction and maintenance of temporary structures (stocks, workshops, worker's camp, offices for the Contractor, the Engineer, Employer, Consultant Supervision of the EMP and other) that are needed for smooth execution of the works under this contract,
- costs of laying and maintaining any temporary installations on the site, needed for the execution of works,
- costs of starting the operation,
- costs of "hard fence" for the site, if necessary,
- cost of supply and fixing of 3 official site boards in accordance with the laws of the Republic of Serbia,
- costs of working conditions for the Engineer and his team,
- costs of temporary dumping of key material,
- cost of any diversion roads and traffic control and maintenance of diversion roads,
- cost of cleaning up the site on completion,
- cost of the Environmental Management Plan implementation,

- cost of the traffic management plan preparation and implementation (the Contractor has to prepare and present the Plan to relevant authorities for approval; the Works shall be executed under road traffic, as well as along the railway line),
- other costs ensuing from the contract documents,
- other direct and indirect costs for full completion, maintenance in the construction period and start of operation,
- itemized unit rates shall include geodetic works if they are not specified as a separate item in the Bill of Quantities.
- 4. A rate or price shall be entered against each item in the priced Bill of Quantities. The cost of Items against which the Contractor has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
- 5. The Contractor shall not have the right to unit price adjustment on the basis of eventual difference between quantites of works stated in the Bill of Quantities and actually completed quanties, except in the case defined under the Particular Conditions of Contract.
- 6. The whole cost of complying with the provisions of the Contract shall be included in the Items provided in the priced Bill of Quantities, and where no Items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related Items of Work.
- 7. General conditions and descriptions of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the Contract documentation shall be made before entering prices against each item in the priced Bill of Quantities.
- 8. A Daywork Schedule should be included if the probability of unforeseen work, outside the items included in the Bill of Quantities, is relatively high. To facilitate checking by the Employer of the realism of rates quoted by the bidders, the Daywork Schedule should normally comprise:
 - (a) a list of the various classes of labour, materials, and Contractor's Equipment for which basic Daywork rates or prices are to be inserted by the bidder, together with a statement of the conditions under which the Contractor will be paid for work executed on a Daywork basis; and
 - (b) a percentage to be entered by the bidder against each basic Daywork Subtotal amount for labour, materials, and Plant representing the Contractor's profit, overheads, supervision, and other charges.
- 9. Provisional Sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer and previously approved by the Employer in accordance with the Conditions of Contract.
- 10. The method of measurement of completed work for payment shall be in accordance with Technical Specifications. All items of work indicated in the Bill of Quantities shall be valued by measuring net, in the units of the Bill of Quantities such actual quantities of the Permanent Works as have been executed strictly in accordance with the Bidding Documents or further instructions issued in writing by the Engineer. No works shall be valued which have been executed in excess of the dimensions shown on the Drawings or ordered by the Engineer. In particular, no allowances shall be made in the measurement or any excavation for working space, temporary works or the, temporary works or the Bid Price.

- 11. In general, excavation shall be measured net. The Contractor is to allow for bulking, intermediate storage, double handling and backfill with compaction to lines and levels given on the drawings, and disposal of excess material. The rates for timbering or other measures to maintain the stability of the excavations and for keeping excavations free of water.
- 12. Proper drainage on the site must be maintained during construction and the Contractor shell be held responsible for any flood damage to life and properties due to his work in this Contract. The Contractor shall allow in his rate, inter alia, for all costs to maintain or divert flow in ditches, open channels and water sources during construction and other drainage work. No claims for additional payment will be considered in this regards.
- 13. The contractor shall be deemed to have allowed in his rates, inter alia for the following:
 - Maintaining the road signs in areas of works for times other than designated working periods,
 - Construction and maintenance of any diversion or access roads and all costs incurred in the passing or traffic through the site.
 - All charges and/or transport costs relating to extraction, preparation and haulage of Materials,
 - The eventual removal of the Contractor's site and reinstatement of such areas on completion of the contract,
 - Protection of the work from water from any source,
 - Provision and preservation of survey beacons,
 - Provision of all samples and test certificates,
 - Provision of all water supply, sanitation and services including electricity,
 - Providing and mixing water to earthworks and pavement operations in dry weather to achieve the optimum moisture content,
 - Scarification of surfaces and drying the earthworks and pavements to reduce the moisture content to the optimum and compaction or re-compaction subsequently, and repeating any such operation whenever necessary. All earthworks, for culverts, bridges and other structures, whereas not explicitly itemized, are deemed to be included in the costs for the structures as entered by the contractor in the Bill of Quantities,
 - Costs of acquiring and transport of materials from borrow pits or other sources as well as costs of transport and depositing material in deposit areas,
 - Costs of material sampling and testing and re-testing where required, and test certificates
 - Marking, signaling as appropriate of all equipment and facilities on site to provide safety in accordance with rules and regulations,
 - Scaffolding and shuttering to substructure and superstructures,
 - Protective coating, waterproofing and insulation of structures and culverts, as shown on the drawings, if not explicitly itemized,
 - Elaboration and provision of detailed execution drawings for structure works, subject to approval of the Engineer,
 - The costs of acquiring and transport of materials from borrow pits or other sources as well as costs of transport and depositing material in deposit areas.
- 14. The Contractor shall be responsible for acquiring required qualities of bituminous Binder for asphalt concrete and bituminous Emulsion for prime and tack coat for the project from within Serbia or if necessary from other countries and shall meet the required specifications as outlined in the Contract Documents. Contractor's unit prices for bituminous works shall include all costs for acquiring bitumen and paraffin from abroad if necessary.

- 15. Any arithmetic errors in computation or summation will be corrected by the Employer as follows:
 - (a) where there is a discrepancy between amounts in figures and in words, the amount in words will govern; and
 - (b) where there is a discrepancy between the unit rate and the total amount derived from the multiplication of the unit price and the quantity, the unit rate as quoted will govern, unless in the opinion of the Employer, there is an obviously gross misplacement of the decimal point in the unit price, in which event the total amount as quoted will govern and the unit rate will be corrected.
- 16. Rock is defined as all materials that, in the opinion of the Engineer, require blasting, or the use of metal wedges and sledgehammers, or the use of compressed air drilling for their removal, and that cannot be extracted by ripping with a tractor of at least 150 brake hp with a single, rear-mounted, heavy-duty ripper.
- 17. Mark CXX in the BoQ refers to the quality of concrete and corresponding label MB XX which is, in accordance with the standards of the Republic of Serbia, used in Detailed Design.
- 18. Contractor is responsible for providing all resources required for the works in accordance with his organization and the technology of works, including site plants, site offices and all access roads he needs. In the event that the same type of works is performed by different Contractors (transport and disposal of materials, etc), the Contractor will cover his costs (for construction and maintenance of a dumping area and access roads to it in proportion of material dumped, etc).
- 19. If any item in the BoQ refers to particular brand name, patent, type or manufacturer it shall be deemed that those brand name, patent, type or manufacturer are followed with wording "or equivivalent" even if it is not written.

CD with the BoQ is enclosed to bidding documents. In case of discrepancy, printed version will prevail.

FACILITIES FOR THE ENGINEER AND EMPLOYER'S REPRESENTATIVE

Remark:

The following Facilities for the Engineer and Employer's Representative should be treated as a Special Specifications and should be read in conjunction with General Specifications and shall extend and modify them as appropriate.

The Contractors shall provide principal offices, site offices and laboratory at the construction sites for the use of the Engineer, Employer's representative and EMP supervisor, ready in all aspects for use and occupation as and when needed (before commencement of the permanent works).

The Contractor will be responsible for all utility costs for all facilities until completion of the Contract.

All facilities, vehicles and equipment are subject of the Employer's prior approval.

Upon completion of the Contract, all facilities, vehicles and equipment shall be retained by the Employer, free of charge.

Principal offices and laboratory will be constructed on land acquired by the Employer in the vicinity of Predejane or Dzep, at an area of approximately 3.000 m^2 . The Contractor of LOT 1 shall provide the principal offices (1 and 2), site offices and laboratory. The Contractor of LOT 2 shall provide the site offices.

(i) <u>Principal offices 1</u>

A separate building for Principal offices 1 in buildings of permanent and/or temporary construction (approximate net total floor area 400 m²), for the use of Engineer, Employer's representative and EMP supervisor, shall include 2 Chief Resident Engineer rooms (Office room No. 1 approximately 20 m²), 4 offices for senior engineering staff (Office room No. 1), 6 offices for engineering staff (Office room No. 2 approximately 15 m²) and one secretary office (Office room No. 3 approximately 15 m²), small kitchen, 2 toilets, conference room (approximately 30 m²), store room and server room (minimum 9m²). Office rooms shall be furnished as described below.

(ii) Principal offices 2

A separate building for Principal offices 2 in buildings of permanent and/or temporary construction (approximate net total floor area 350 m^2), for the use of Engineer for tunnels Predejane and Manajle, Employer's representative and EMP supervisor, shall include 2 Chief Resident Engineer rooms (Office room No. 1 approximately 20 m²), 3 offices for senior engineering staff (Office room No. 1 approximately 20 m²), 4 offices for engineering staff (Office room No. 2 approximately 15 m²) and one secretary office (Office room No. 3 approximately 15 m²), small kitchen, 2 toilets, conference room (approximately 30 m²), store room and server room (minimum 9m²). The Employer will furnish these office rooms as described below.

(iii) Laboratory

A separate building shall be provided for laboratory, as well as storage place (approximate net total floor area 300 m² and 30 m² of external covered area). This building should have: 4 offices for engineering staff (Office room No. 2), one main laboratory room (approximately 70 m²), 4 subsidiary laboratory rooms (each room approximately 20 m²), 2 store rooms (each room approximately 10 m²) and toilet facilities. Office rooms shall be furnished as described below.

(iv) Site offices

Each Contractor shall provide site offices on one separate location beside the alignment, provided by the Employer, as approved by the Engineer. Site office shall consist of 4 office rooms (1 office rooms No.1, 2 office rooms No.2 and 1 office room No.3) store room and 2 toilets, each. Each room shall be of minimum 15 m^2 and furnished as described below.

General requirements for offices

All offices shall have electric installation, heating and air conditioning, adequate natural lighting and ventilation, mosquito nets, fire prevention equipment, potable water and telephone lines.

Buildings for Principal offices 1 and 2 and Laboratory shall be within fenced compound with outside lighting. Paving shall be required over approximately 1.500 m^2 of the allocated area, which has at least 40 parking spaces for principal's needs and the remainder shall be landscaped and planted. Contractors shall provide their main offices within compound on the remaining area. The Contractor shall provide draft layout of compound for Employer's approval.

Server room within Principal offices 1 and 2 shall fulfill following room specifications: room walls, ceiling, and doors should be sound isolated from other occupied areas; doors should be 42" to 48" wide, and 8' tall; antistatic floor finishing (no wax) is recommended for raised floor tiles or sheet vinyl; no windows (for security, sound, and environmental management reasons); separate cooling system, an under floor air distribution system is preferred, although ducted systems are acceptable.

Site offices shall be within fenced compound with outside lighting. The site offices shall include store room. The supervisory staff shall have access to toilet facilities, etc, of the Contractors and such facilities must be maintained in a suitable condition for senior staff use. 3 (three) car parking spaces shall be designated, per each site office as being for the use of the Engineer and the Employer's representative and the Contractors will make provision for washing down the vehicles of the Engineer and the Employer's representative.

If any item in the following text refers to particular brand name, patent, type or manufacturer it shall be deemed that those brand name, patent, type or manufacturer are followed with wording "or equivivalent" even if it is not written.

Offices (Principal, Laboratory and Site) shall be furnished with a minimum of:

- (a) Office room No. 1
 - one work station, comprising of a 1,6 m x 0,80 m x 0,75 m executive desk with a 1,2 m x 0,6 m x 0,68 m computer table, a three-drawer lockable cabinet 0,45 m x 0,47 m x 0,57 m and an upholstered executive office chair with arm rests;
 - one four-drawer lockable steel filing cabinet fitted for hanging files;
 - one lockable double door cupboard 0,90 m x 0,45 m x 1,40 m with shelves (matching the desks);
 - one lockable double door office closet 2,0 m x 0,80 m x 0,50 m with shelves on 40 cm distance;
 - table 1,6 m x 0,80 m x 0,75 and four standard matching chairs for visitors;
 - one computer with minimum characteristics: Graphics station (CAD) HP Z210 (KK783EA) configuration: CPU Intel Xeon E31230 (3.2 GHz, 8MB L2), HDD 1TB

SATA3 6Gbit/sec, RAM 8GB DDR3, DVDRW Super Multi, HP NVIDIA Quadro 600 1GB, Win7 Pro 64-bit, HP keyboard USB, HP optical mouse USB, Monitor HP ZR22w LCD, warranty 3 years (3-3-3);

- one UPS APC BE 700GI Back-UPS RS 700VA 230V;
- one telephone set with contact saving, re-dial and call-back functions;
- stationary (office supplies, one wall clock, one heavy duty document hole punch SAX 608 or equivalent, one stapler SAX 620 or equivalent, name plate on door, one paper tray-three tier, one waste basket, one pin board 2,4m x 1,2m, one set of coat hooks);
- one 50 m linen measuring tape and one 5 m steel pocket measuring tape.
- (b) Office room No. 2
 - three work stations, each comprising of a 1,6m x 0,80m x 0,75m executive desk with a 1,2m x 0,6m x 0,68m computer table, a three-drawer lockable cabinet 0,45m x 0,47m x 0,57m and an upholstered office chair with arm rests;
 - three four-drawer lockable steel filing cabinet fitted for hanging files;
 - two lockable double door office closets 2,0 m x 0,80 m x 0,50 m with shelves on 40 cm distance;
 - one double door, lockable steel wardrobe cabinet 0,90 m x 0,45 m x 2,00 m;
 - table 1,6 m x 0,80 m x 0,75 and four standard matching chairs for visitors;
 - three computers with minimum characteristics: Office computer HP 6200P (XY102EA) SFF configuration: CPU Intel i3 2100, HDD 500 GB SATA3 3Gbit/sec, RAM 2GB DDR3, DVDRW Super Multi, Win7 Pro 32-bit, HP keyboard PS2, HP optical mouse PS2, Monitor HP S2231a 21.5" WIDE, warranty 3 years (3-3-3);
 - three UPS APC BE 700GI Back-UPS RS 700VA 230V;
 - three computers with minimum characteristics: Laptop HP ProBook 4530S (XY022EA) configuration: CPU i5-2410M, HDD 640GB SATA 2, RAM 4GB DDR3, DWDRW LS, Win 7 Pro 64-bit, display 15,6" HD LED, WebCam, warranty 1 year;
 - one telephone set with contact saving, re-dial and call-back functions;
 - stationary (office supplies, one wall clock, one heavy duty document hole punch SAX 608 or equivalent, one stapler SAX 620 or equivalent, name plate on door, three paper trays-three tier, three waste baskets, one pin board 2,4 m x 1,2 m, one set of coat hooks);
 - three 50 m linen measuring tape and three 5 m steel pocket measuring tape.
- (c) Office room No. 3
 - two work stations, each comprising of a 1,6 m x 0,80 m x 0,75 m executive desk with a 1,2 m x 0,6 m x 0,68 m computer table, a three-drawer lockable cabinet 0,45 m x 0,47 m x 0,57 m and an upholstered office chair with arm rests;
 - two four-drawer lockable steel filing cabinet fitted for hanging files;
 - one double door, lockable steel cabinet with shelves 0,90 m x 0,45 m x 2,00 m;
 - two lockable double door office closets 2,0 m x 0,80 m x 0,50 m with shelves on 40 cm distance;
 - two standard, matching chairs for visitors;
 - one computer with minimum characteristics: Office computer HP 6200P (XY102EA) SFF configuration: CPU Intel i3 2100, HDD 500 GB SATA3 3Gbit/sec, RAM 2GB DDR3, DVDRW Super Multi, Win7 Pro 32-bit, HP keyboard PS2, HP optical mouse PS2, Monitor HP S2231a 21.5" WIDE, warranty 3 years (3-3-3);
 - one UPS APC BE 700GI Back-UPS RS 700VA 230V;
 - one laser printer HP LaserJet P2055dn or equivalent with USB cable;
 - one multifunctional device HP LaserJet M1536dnf or equivalent;

- one photocopier Canon IR2520 Duplex + ADF + Finisher + cassette Feeding Module + Ethernet or equivalent;
- stationary (office supplies, one document shredder bis Rabbit or equivalent, one document binding machine Letz CB600 DL or equivalent, one heavy duty document hole punch SAX 608 or equivalent, one stapler SAX 620 or equivalent, name plate on door, two paper trays-three tier, one waste basket, one pin board 2,4 m x 1,2 m, one set of coat hooks);
- thermometer;
- two first aid sets;
- secretary office shall be arranged to provide the reception and control of visitors into the foyer and their admittance into the offices.
- (d) Entrance of building for Principal offices
 - Entrance of building for Principal offices shall be furnished with six chairs for visitors.
- (e) Conference room
 - one executive quality conference table;
 - twelve chairs of a compatible quality;
 - two double door cupboards with shelves (matching the table) 0,90 m x 0,45 m x 0,85 m;
 - one set of telephone conferencing equipment;
 - white board 2,4 m x 1,2 m.
- (f) Server room
 - HP Designjet 510 (24 inch) A1 large format printer;
 - Server HP DL380G7 configuration: HP DL380G7 X5650 Perf EU Svr, Proliant SvrDL38x with ICSupp, HP 8GB 2Rx4 PC3-106000R-9 Kit, HP 900GB 6G SAS 10K 2.5in DP ENT HDD x 4, HP 146GB 6G SAS 10K 2.5in DP ENT HDD x 2, HP P212/YM Smart Array Controller, warranty 3 years (3-3-3);
 - Server Cabinet HP configuration: HP TFT7600 Rekmnt keyboard, HP 16A High Voltage Modular PDU, HP R5500 3U Intl UPS, HP ERM R5500 battery, HP V142 600mm Pallet Rack, HP V142 Rack grounding kit, HP V142 Rack sidepanel kit, HP V142 Racd baying kit, HP V142 Rack stabilizer kit, HP 10pk Carbt 1U universal filter panel;
 - HP ML110G6 (470065-341) Quad-Core Intel Xeon processor X3430 (2.4GHz, 1 x 8MB cache), 4GB (2 x 2GB) PC3-10600E (UDIMM), Embedded B110i SATA Software RAID Controler (RAID 0/1/10) (4 ports available), 2x500GB SATA NonHot Plug (LFF), DVD with Windows Server 2008 Standard R2 OS;
 - RACK TOTEN TE6631 300X600X1600mm 31U/19" complete;
 - 2 x Switch Allied Telesyn AT-GS900/24;
 - CISCO ADA 5505 Appliance with SW 50 users / 80 PORT;
 - one telephone/fax machine Canon FAX-L140 or equivalent;
 - PBX KX-TES824 with KX-TE82483CE modul for aditional 16 locals;
 - 2 System phone Panasonic KX-T7730;
 - 14 Phone Panasonic KX-T2373.

All computers must be installed with the following licensed software: OS Win7 pro, MS Office XP Professional 2007 and AutoCAD dwg True View. Six computers must additionally have licensed Adobe Acrobat, Adobe Photoshop, AutoCAD and Microsoft Project (latest versions). The computers must be networked with connection to a broadband.

The general requirements include, as follows:

- preparing a plan of the layout of the offices, work stations and furnishing to the satisfaction of the Engineer;
- supply and fitting of split air conditioners for all rooms (1.5T), with heating as well as cooling capability;
- supply and fitting of triple electric sockets, convenient to work stations;
- supply of two telephone lines and connections to the site offices (either as ground lines or GSM lines with GPRS, and Internet Domain with e-mails for all users at the local provider);
- fire extinguishers, smoke alarms and fire exit signs according to the Fire Authority regulations or, otherwise, as directed by the Engineer;
- doormats in the entrances, a boot scraper and 6 lever security locks on the entrance doors.

The Contractors will be responsible for maintaining, cleaning and security all of the offices of the Engineer, Employer's representative and EMP supervisor. This includes cleaning of rooms, and inter alia provision of all necessary cleaning equipment, rubbish bins and materials as well as provision of liquid soap for hand washing, dish washing, etc, lavatory cleaner and brushes, toilet paper, daily provision of clean hand towels, fly spray, extermination of any rodents and any other such incidentals as the Engineer, Employer's representative and EMP supervisor may reasonably require for maintaining decent conditions for the operations of the offices. Eventual repair works for the facilities are also included.

The Contractor shall also provide to the Engineer, Employer's representative and EMP supervisor 20 mobile phones in order to have permanent contact with the staff present on the site. The billing shall be for Serbia only.

The mobile phone, telephone, e-mail and facsimile calls made by the Engineer, Employer's representative and EMP supervisor and their staff are included in the Contractor's Lump Sum (to be included in BoQ, General Items, Provisions and consumables for the Engineer, Employer's representative and EMP supervisor) as well as reasonable office consumables. Maintenance for the running of the below to be included in BoQ, General Items, Maintain facilities in compound for the Engineer and Employer's representative during works and up to the issue of the Taking over Certificate.

Vehicles for the Engineer

The Contractor for each LOT will provide the Employer's representative, Engineer and EMP Supervisor with:

- 3 new off-road cars (4WD) acceptable to the Engineer, 5-door, with 5 seats, digital airconditioning, 4 air-bags, ABS, ESP, central locking, radio CD with speakers, with diesel engine capacity minimum 1900 cm³ (Skoda Yeti or similar),
- 2 new pick-ups acceptable to the Engineer, having the following characteristics: diesel engine with approximate 2.500 cm³, 5 seats, double cab, 4WD, ABS, ESP, air-conditioning, 4 air-bags radio CD with speakers (Toyota Hilux or similar),
- 1 new car acceptable to the Engineer, having the following characteristics: C class, diesel engine with at least 1.900 cm3, 5-door, 5 seats, ABS, ESP, digital air-conditioning, tempomat, 4air-bags radio, CD with speakers (Skoda Superb or similar).

The cars shall be delivered (with registration plates, vehicle licence, and be fully and comprehensively (full kasko) insured) prior to the commencement of Works on site or later if instructed by the Employer. The Contractors will be responsible for provision of fuel, lubricants, servicing, repair, maintenance, cleaning fluid, summer and winter tires, triangle,

first aid package, pulling cable, fire fighting apparatus, and others. The Contractors will also make provision for washing down the vehicles. In the case of accidental damage, the Contractors shall be responsible for reinstatement of the damaged vehicle to its original condition. The Contractors shall supply temporary replacement vehicles during periods when the cars are immobilised.

When no longer required by the Engineer for the Services, but no later than the end of the Defect Notification Period, the ownership of the above vehicles shall be transferred to the Employer who will then become responsible for fuel servicing, repair, maintenance, insurance and miscellaneous costs.

Precise Survey Equipment

Two complete sets of equipment are to be provided, according to the following list. One set shall be provided for the initial survey works and the second set shall be provided in accordance with instructions issued by the Engineer:

- (a) 1 x Leica TC2002 precision Total Station or similar type including Tribrach and Internal Battery and Battery Charger
- (b) 1 x additional Internal Battery
- (c) 4 x Tripods
- (d) 2 x additional Tribrachs
- (e) 3 x Target Carriers
- (f) 3 x Precision Reflectors
- (g) 1 x Container for precision reflectors, tribrachs and carriers
- (h) 1 x NA3000 Precise Digital Level or similar type
- (i) 1 x Invar Stave
- (j) 1 x Ground Plate
- (k) 2 x 3m Levelling Staff
- (1) 3 x Moveable Bench Marks (levelling staff bases)
- (m) 2 x Levelling Staff Stands
- (n) 2 x each of Measuring Tapes made of Fibron 50m and 25m
- (o) 1 x Notebook Satellite Pro S300M or similar type

Protective Equipment for the Employer's representative, Engineer and EMP Supervisor

General

The Contractor shall initially provide the Employer's representative, Engineer and EMP Supervisor with protective clothing and equipment, as follows, and, as the Engineer considers necessary, provide replacement items under the provisions for maintenance of the Engineer's facilities. Prior to making this provision, the Contractor shall obtain a list of appropriate sizes from the Employer's representative, Engineer and EMP Supervisor. As and where the Contractor's methodology, activities or planned testing programme may require additional protective equipment (such as gloves, ear plugs, goggles, torches etc), the Contractor shall make these available to the Employer's representative, Engineer and EMP Supervisor as and when the need arises.

List of Protective Equipment

- a) 10 Weatherproof jacket and trouser sets with reflective panels or strips
- b) 10 Safety helmets, white
- c) 10 Pairs of protective leather boots

- d) 10 Pairs of rubber or PVC boots with steel toe caps, slip resistant soles and steel mid soles (Wellington or equivalent)
- e) 20 Pairs of heavy socks for boots
- f) 10 Lightweight fluorescent waistcoats with reflective strips / panels
- g) 10 Winter weight fluorescent anoraks with removable thermal lining and reflective strips / panels
- h) 5 First Aid pack :

5 Thist Ald pack.	
Item :	No. in First Aid Pack
Bandages : 3cm width	3
Bandages : 5cm width	3
Elastoplast (assorted)	2 boxes
Adhesive plaster (rolls) 3 cm width	5m
Absorbent cotton wool (packs)	2
Sterilised eye pads in separate packets	3
Safety pins	12
Rubber bandage or pressure bandage	2m
Eye wash (bottles)	2
Iodine	1
Disinfectant (Dettol)	50ml
Antiseptic cream	1
Aspirin (pack of 50)	1
/	

The First Aid pack will be replenished, as necessary, together with the office supplies.

Labor and equipment on site

The Contractors will provide the Engineer and the EMP Supervisor on a day to day basis with all necessary labor to assist in the survey of works, sampling and testing of materials and of the works and the measurement of the works.

From the commencement date until the taking over of works, the Contractors shall be obliged to provide to the Engineer, in any moment, at his request, all necessary equipment and conditions for inspecting the quality of materials and performed works. After taking over of works, the Contractor will retain all the equipment.

Laboratory

The Contractor shall provide, as minimum, following laboratory equipment:

List of minimum Geomechanics Laboratory Equipment			
No.	Item	Quantity	
1	Drying oven of 100 litres capacity	1 piece	
2	Electronic Scale of high precision of up to 12 kg	1 piece	
3	Inclination scale	1 piece	
4	Casagrande shaker	1 piece	
5	Granulation shaker	1 piece	
6	Proctor apparatus (automatic)	1 piece	
7	Apparatus for dynamic tests with weights	1 piece	
8	Hydraulic press 200,0 KN	1 piece	
9	Hydraulic press 50,0 KN	1 piece	
10	Moulds for Standard Proctor Experiment	1 piece	
11	Moulds for Modified Proctor Experiment	1 piece	
12	Standard hammer	1 piece	
13	Modified hammer	1 piece	
14	Set for volume weight measurements	1 piece	
15	Accessories	2 sets	
16	Microwave oven	1 piece	
17	Volume mass determination by calibrated sand method	1 set	
18	Volume mass determination by balloon apparatus method	1 set	
19	Hot plate, electrical, double ring	1 piece	
20	Drying pans, various dimensions	1 piece	
21	Miscellaneous equipment (brushes, knives, etc.)	15 pieces	
22	Set of sieves	1 piece	
23	Utensils for quartering	1 piece	
24	Computer + monitor + modem + printer	1 piece	

List of minimum Concrete Laboratory Equipment				
No.	Item	Quantity		
1	Concrete press	1 piece		
2	Abrahams conus with triangle and oblique iron bar of 16 mm diameter, length 60cm	1 piece		
3	Sieve 30x30 (63, 45, 31.5, 22.4, 16, 11.2, 8, 4, bottom and cover)	1 piece		
4	Sieve Ø250 (1, 0.25, 0.125, 0.09, 0.063, bottom and cover)	1 piece		
5	Sieve Ø 250 (8, 0.25 bottom and cover)	1 piece		
6	Sieve Ø 250 (4, 2, 1, 0.55, 0.25, 0.125 bottom and cover)	1 piece		
7	Vicat apparatus	1 piece		
8	Le Chatellier ring	5 piece		
9	Scale up to 20 kg	1 piece		
10	Scale up to 10 kg	1 piece		
11	Set of small counterweights (5g, 2x10g, 2x20g, 50g, 2x100g, 200g)	1 piece		
12	Utensils made out of brass for cement examination	1 piece		
13	Sclerometer	1 piece		
14	Transformer (incl. Vibrating needle)	1 piece		
15	Moulds 15x15x15 cm	20 pieces		
16	Mould accessories	1 piece		
17	Cylinders (VDP examination)	6 pieces		
18	Cylinders accessories	1 piece		
19	Thermometer, wall climbed	1 piece		

List of minimum Concrete Laboratory Equipment				
No.	Item	Quantity		
20	Thermometer, insertion set	1 piece		
21	Set of utensils: 2000 ml, 1000 ml, 500 ml, 250 ml, 100 ml, 50 ml	1 set for each		
22	Pans, big size	2 pieces		
23	Pans, 30x30	5 pieces		
24	Pans, 20x20	10 pieces		
25	Small accessories	1 piece		
26	Compressed air apparatus	1 piece		
27	Miscellaneous equipment (brushes, knives, etc.)	1 set		
28	Computer	1 piece		
29	Set of sieves	1 piece		

List of minimum Asphalt Laboratory Equipment				
No.	Item	Quantity		
1	Funnel	1 piece		
2	Marshall compactor	1 piece		
3	Accessory	1 piece		
4	Mould accessories	1 piece		
5	Moulds for Marshall equipment	12 pieces		
6	Funnel for mass	1 piece		
7	Specimen penetrating apparatus	1 piece		
8	Sieve, smaller size	1 piece		
9	Water bath	1 piece		
10	Marshall press	1 piece		
11	Sieve diameter 200x50 (0.063 and 0.09)	2 pieces for each		
12	Sieve diameter 200x50 (0.25, 0.71, 2, 4, 8, 11.2, 16, 22.4, 31.5, 45)	1 piece for each		
13	Bottom	2 pieces		
44	Shaker	2 pieces		
15	Sieves, sieving under wet regime, diameter 200m	1 piece		
16	Electronic scales, 6200g/0.1	1 piece		
17	Drying set, 250 litres	2 pieces		
18	Thermometer, 0+50°C	2 pieces		
19	Thermometer, 0+250°C	5 pieces		
20	Pycnometers, 50mlx2	2 pieces		
21	Plastic pycnometers, 1000ml	3 pieces		
22	Stopwatch, 30 min/60 sec	1 piece		
23	Stopwatch, 60 min	1 piece		
24	Ceramic plate	1 piece		
25	Asbestos plate	1 piece		
26	Computer + monitor + modem + printer	1 set		
27	Infrared thermometer, -50 to +200°C	1 piece		

Bills of Quantities

Bills of Quantities LOT 1

Grand summary		Amount
GENERAL ITEMS	(A)	
Civil engineering design	(1)	
Stormwater sewage system	(2)	
Regulation of water streams	(3)	
Engineering structures	(4)	
Bridges	(5)	
Retaining walls	(6)	
Traffic-technical and service equipment for roads	(7)	
Technical infrastructure	(8)	
Landscaping	(9)	
SUBTOTAL OF BILLS	Σ[(1)-(9)]=(B)	
UNFORSEEN WORKS 5%	0.05x(B)=(C)	
TOTAL FOR DAYWORK	(D)	
TOTAL OF BILLS	(A+B+C+D)=(E)	
CONTINGENCY ALLOWANCE 10%	0.1 x(E)=(F)	
BID PRICE	(E)+(F)=(G)	
VAT (Nil-Since the Project is financed by the EIB, the payment of VAT is exempted)	0=(H)	
FINAL BID PRICE	(G)+(H)=(I)	

No.	Description	Unit	Quantity	Unit price	Amount
1	Principal offices building 1	ls	1		
2	Principal offices 1 furniture and equipment	ls	1		
3	Supply of computers and software for Principal offices 1	ls	1		
4	Principal offices building 2	ls	1		
5	Site offices building	ls	1		
6	Site offices furniture and equipment	ls	1		
7	Supply of computers and software for Site offices	ls	1		
8	Compound, paving, fancing, lighting and provision of utilities	ls	1		
9	Laboratory building	ls	1		
10	Laboratory - offices furniture and equipment	ls	1		
11	Supply of computers and software for Laboratory offices	ls	1		
12	Laboratory equipment	ls	1		
13	Vehicles (offroad)	pcs	3		
14	Vehicles (C class)	pcs	1		
15	Vehicles (pick up)	pcs	2		
16	Provisions and consumables for the Engineer	ls	1		
17	Supply of additional equipment for the Engineer and Employer's representative	ls	1		
18	Maintain facilities in compound for the Engineer and Employer's representative during works and up to the issue of the Taking over Certificate	month	24		
19	Maintenance, fueling and insurance of vehicles of the Engineer and Employer's representative	month	24		
			Total G	eneral Items	

CIVIL ENGINEERING DESIGN 01.01. HIGHWAY ALIGNMENT

1.01. HIGHWAY Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.01.01.	1.0.	PRELIMINARY WORKS	Juit	Zummy	C.m. I fice	1000
01.01.01.01	2.1.	Geotechnical investigations				
				lump s	um	
01.01.01.02.	2.4.	Removal of bushes and trees	кm'	6.10		
		a) cutting bushes up to Ø10 cm: 13346 m ²				
		b) cutting bushes Ø10 - Ø25 cm: 16312 m ²				
		c) cutting trees Ø10 - Ø20 cm: 3017 pcs.				
		d) cutting trees Ø20 - Ø40 cm: 1379 pcs.				
		e) uprooting stumps Ø10 - Ø20 cm: 3017 pcs.				
		f) uprooting stumps Ø20 - Ø40 cm: 1379 pcs.				
01.01.01.03.	2.5.	Demolition of buildings	m2	224.00		
01.01.01.04.	2.7.	Demolition of the existing pavement	m²	224.00		
01.01.01.04.	2.7.	Demontor of the existing pavenient	m²	2,730.00		
			тот	AL PRELIM	INARY WORKS	
01.01.02.		EARTH WORKS				
01.01.02.01.	3.1.	Topsoil stripping	(pric	e included in th	he price of excavat	ion and embankment
01.01.02.02.	3.2.	Bulk excavation and transport (including topsoil stripping and		included in il		
01.01.02.02.	5.2.	stockpiling, excavation of soil of low bearing capacity,				
		topsoiling and grassing)				
		Excavation in II and III category earth, transport of material to				
		stockpiling area and spreading without compaction				
		stockprining area and spreading without compaction				
		- 3000 - 5000 m	m ³	22,415.00		
		(excavation for subsoil substitution:21940 m3)		22,115.00		
		(excavation for temporary channels during construction				
		works: 475 m3)				
		- Excavation in III and IV category soil with loading, transport				
		and unloading of material from the excavation or borrow pit				
		and unloading of material from the excavation of borrow pit				
		- up to 60 m	m ³	12,023.00		
				,		
		- up to 500 m	m³	51,633.00		
		- 500 m - 1000 m	m ³	117,507.00		
		- 1000 m - 3000 m	m ³	64,776.00		
		- Excavation in V and VI category soil with loading, transport				
		and unloading of material from the excavation or borrow pit				
				10.450.00		
		- up to 60 m	m ³	19,450.00		
		up to 500 m	m ³	67,040.00		
		- up to 500 m	111-	07,040.00		
		- 500 m - 1000 m	m ³	193,173.00		
		- 500 m - 1000 m		175,175.00		
		- 1000 m - 3000 m	m³	102,729.00		
01.01.02.03.	3.3.	Subsoil finishing				
			m²	133,106.00		
01.01.02.04.	3.4.	Construction of embankment (including topsoil stripping,				
		construction of stepped side cuts, shoulder central part,				
		leveling, topsoiling and grassing of embankment slopes)				
			m ³	373,576.00		
		a) topsoil stripping: 41160 m ³				
		b) surplus topsoil: 21360 m ³				
		c) stepped side cuts:1849 m ³				
		d) shoulder central part: 3186 m ³				
		e) topsoiling of slopes: 75172 m ²				
		f) topsoiling and grassing of shoulders: 23826 m ²				
		g) lining with stone the embankment slopes: 2952 m ³				
		h) Filling of temporary channels with stones of specific				
		grading during construction works: 475 m3				
		i) Embankment top layer of 0/63 mm stable material in the				
		cutting section where material will be substituted: 21940 m3				
01.01.02.05	3.6.1.	Substitution of soil of low bearing capacity with sandy gravel				
01.01.02.03	5.0.1.	Substitution of soil of low bearing capacity with sandy graver	m ³	3,578.00		
I		1		-	EARTH WORKS	
01.01.03.		DRAINAGE AND DEWATERING				
01.01.03.01.	4.3.	Drainage channels				
		- Excavation	m ³	3,465.00		

	1	1	1	n	-	
Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
		- Lining of channels with prefabricated elements of MB 30				
		concrete onto 5 cm thick sandy gravel bed.	m²	2,481.00		
		- Placing 20 cm thick drainage channel lining of MB 25	m²	2,496.00		
		concrete - Procurement and installation of drain channels for controlled		2,490.00		
		drainage of run-off from highway central reserve. Drain				
		channel dimensions: 100x100x20 cm. It shall be installed				
		onto sandy gravel bed, fully in accordance with designed				
		details.	m'	3,022.00		
		- Procurement and installation of drain channels for controlled				
		water drainage down the embankment slope.	m'	289.00		
01.01.03.02	4.3	- Casting of 25 cm thick layer of MB 25 concrete over				
		shoulder at lower highway side toward central reserve and				
		placing of protective waterproof, procurement and delivery of materials.	m²	1,452.00		
				,		
	1		AL DKA	INAGE AND	DEWATERING	
01.01.04.		SUB-BASES				
01.01.04.01	AS-3.4	Sandy gravel materials - placing subgrade layer				
	additional			127 524 00		
01.01.04.02	specifications AS-6.2.2	Placing and rolling the sub-base of 0/31.5 mm crushed stone	m²	137,524.00		
01.01.04.02	additional	onto rolled subgrade accepted by the Engineer. Rolling shall				
	specifications	be performed until even surface is achieved according to				
	T	designed gradients and crossfalls with tolerance of ± 1 cm.				
		Thickness: d=10 cm				
			m²	73,653.00		
		Thickness: d=30 cm	m²	67,350.00		
		Thickness: d=38 cm	m ²	24,772.00		
				тот	AL SUB-BASES	
01.01.05.		SUPERSTRUCTURE				
01.01.05.01	7.1.	Procurement and placing of 18/24 cm curbs				
			m'	700.00		
01.01.05.02	7.2.	Procurement and installation of 90 cm concrete gutters				
			m'	1,933.00		
				TOTAL SUPP	ERSTRUCTURE	
01.01.06.		ASPHALT PAVEMENT				
01.01.06.01.	9.3.	Placing of bituminous base course BNS 22sA (Bit 60)				
		consisting of stone aggregate				
		d= 8 cm	m ²	25,430.00		
		d= 8+8= 16 cm	m²	76,796.00		
01.01.06.03.	9.5.	Placing of 4 cm thick wearing course made of skeleton mastic	111-	70,790.00		
01.01.00.05.	7.5.	asphalt SMA 11s	m²	102,221.00		
01.01.06.04.	9.6.	Placing of 4 cm thick wearing course made of asphalt		,		
		concrete AB 11. Shoulder shall be stabilized at lower				
		pavement side				
		d=6 cm	m²	2,973.00		
			то	TAL ASPHA	LT PAVEMENT	
01.01.07.		ROAD EQUIPMENT				
01.01.07.01.	12.6.7.	Procurement and installation of 1.5 m high road fence made				
		of galvanized mesh on poles of 40x40 mm steel boxes				
			m'	10,451.00		
				TOTAL ROA	D EQUIPMENT	
·						
01.01. SUMMARY	Y - HIGHWAY A	LIGNMENT				
01.01.01.	PRELIMINAR	Y WORKS				
01 01 02	EARTH WORK	ζ8				
		ND DEWATERING				
01.01.04.	SUB-BASES					
01.01.05.	SUPERSTRUC	TURE				
	ASPHALT PAV					
01 01 07	ROAD EQUIP	MENT				
01.01.07.	- C -					
01.01.07.	SUB-TOTAL					
01.01.07.	SUB-TOTAL	k (5% of sub-total)				

TOTAL HIGHWAY ALIGNMENT (01.01.):

01.03. LOCAL ROADS

	T.S.	he parallel road and M1 road Work Description	Unit	Quantity	Unit Price	Total
Item No. 01.03.01.01.	1.3.	PRELIMINARY WORKS	Unit	Quantity	Omtifice	10141
01.03.01.01.01.	2.1.	Geotechnical investigations				
01.00.01.01.01.	2.1.	Geoteeninear investigations		lump si	um	
01.03.01.01.02.	2.4.	Removal of bushes and trees	кm'	0.56		
		a) cutting bushes up to Ø10 cm: 1100 m ²				
		b) cutting bushes, Ø10 - Ø25 cm: 1300 m ²				
		c) cutting trees, Ø10 - Ø20 cm: 260 pcs.				
		d) cutting trees, Ø20 - Ø40 cm: 130 pcs.				
		e) uprooting stumps, Ø10 - Ø20 cm: 260 pcs.				
		f) uprooting stumps, Ø20 - Ø40 cm: 130 pcs.				
01.03.01.01.03.	2.7	Demolition of the existing pavement				
			m²	712.00		
			тот	AL PRELIM	INARY WORKS	
01.03.01.02.		EARTH WORKS				
01.03.01.02.01.	3.2.	Bulk excavation and transport (including topsoil stripping and				
		stockpiling, excavation of soil of low bearing capacity,				
		topsoiling and grassing)				
		- Excavation in III and IV category soil with loading, transport				
		and unloading of material from the excavation or borrow pit				
		- up to 60 m	m ³	1,182.00		
		a) topsoil stripping: 1155 m ³				
		- 500 m - 1000 m	m ³	2,241.00		
		a) surplus topsoil: 722 m ³		2,271.00		
01.03.01.02.02.	3.3.	Subsoil finishing				
01.03.01.02.02.	5.5.	Subson miniming	m²	2,762.00		
01.03.01.02.03.	3.4.	Construction of embankment (including topsoil stripping,	m	2,702.00		
011021011021021	5111	construction of stepped side cuts, shoulder central part,				
		leveling, topsoiling and grassing of embankment slopes)	m³	3,262.00		
		b) shoulder central part: 132 m^3		-,		
		c) topsoiling of slopes: 1266 m ²				
		d) topsoiling and grassing of shoulders: 899 m ²				
01.03.01.02.04.	3.5.	Wedges next to structures				
			m ³	57.00		
				TOTAL F	CARTH WORKS	
01.03.01.03.		DRAINAGE AND DEWATERING				
01.03.01.03.01	4.3.	Drainage channels				
		- Excavation	m³	103.00		
		- Procurement and installation of drain channels for controlled				
		water drainage down the embankment slope.	m'	39.00		
			AL DRA		DEWATERING	
01 02 01 04		SUB-BASES				
01.03.01.04.	<i>c</i> 1					
	6.1	Sandy gravel materials - placing subgrade layer	m2	4 442 00		
01.03.01.04.01.			m²	4,443.00		
01.03.01.04.01.	6.1 6.2	Procurement and placing of 0/63 mm crushed stone as rolled	m²	4,443.00		
01.03.01.04.01.		Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be	m²	4,443.00		
01.03.01.04.01.		Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer.	m²	4,443.00		
01.03.01.04.01.		Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be	m²	4,443.00		
01.03.01.04.01.		Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer.	m ²	4,443.00		
01.03.01.04.01. 01.03.01.04.02		Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • d=30 cm				
01.03.01.04.01. 01.03.01.04.02	6.2	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • d=30 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone				
01.03.01.04.01. 01.03.01.04.02	6.2	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • d=30 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall				
01.03.01.04.01. 01.03.01.04.02	6.2	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • d=30 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to				
01.03.01.04.01. 01.03.01.04.02	6.2	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • d=30 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall	m²	4,123.00		
01.03.01.04.01. 01.03.01.04.02	6.2	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • d=30 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to				
01.03.01.04.01. 01.03.01.04.02	6.2	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • d=30 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm.	m²	4,123.00	AL SUB-BASES	
01.03.01.04.01. 01.03.01.04.02	6.2	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • $d=30 \text{ cm}$ Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of $\pm 1 \text{ cm}$. • $d=20 \text{ cm}$	m²	4,123.00	AL SUB-BASES	
01.03.01.04.01. 01.03.01.04.02 01.03.01.04.03. 01.03.01.04.03 .	6.2	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • d=30 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=20 cm SUPERSTRUCTURE	m²	4,123.00	AL SUB-BASES	
01.03.01.04.01. 01.03.01.04.02 01.03.01.04.03. 01.03.01.04.03 .	6.2	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • $d=30 \text{ cm}$ Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of $\pm 1 \text{ cm}$. • $d=20 \text{ cm}$	m²	4,123.00	AL SUB-BASES	
01.03.01.04.01. 01.03.01.04.02 01.03.01.04.03. 01.03.01.04.03 .	6.2	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • d=30 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=20 cm SUPERSTRUCTURE Verges, curbs and prefabricated elements	m² m²	4,123.00 3,430.00 TOT 123.00		
01.03.01.04.01. 01.03.01.04.02 01.03.01.04.03. 01.03.01.04.03. 01.03.01.05.01	6.2	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • d=30 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=20 cm SUPERSTRUCTURE Verges, curbs and prefabricated elements • curbs 18/24	m² m²	4,123.00 3,430.00 TOT 123.00	AL SUB-BASES	
01.03.01.04.01. 01.03.01.04.02 01.03.01.04.03. 01.03.01.05.01 01.03.01.05.01	6.2	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • d=30 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=20 cm SUPERSTRUCTURE Verges, curbs and prefabricated elements • curbs 18/24 ASPHALT PAVEMENT	m² m²	4,123.00 3,430.00 TOT 123.00		
01.03.01.04.01. 01.03.01.04.02 01.03.01.04.03. 01.03.01.05.01 01.03.01.05.01	6.2	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • d=30 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=20 cm SUPERSTRUCTURE Verges, curbs and prefabricated elements • curbs 18/24 ASPHALT PAVEMENT Placing of bituminous base course BNS 22A (Bit 60)	m² m²	4,123.00 3,430.00 TOT 123.00		
01.03.01.04.01. 01.03.01.04.02 01.03.01.04.03. 01.03.01.05.01 01.03.01.05.01	6.2	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • d=30 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=20 cm SUPERSTRUCTURE Verges, curbs and prefabricated elements • curbs 18/24 ASPHALT PAVEMENT Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate	m² m²	4,123.00 3,430.00 TOT 123.00 TOTAL SUPP		
01.03.01.04.01. 01.03.01.04.02 01.03.01.04.03. 01.03.01.05.01 01.03.01.05.01 01.03.01.06 01.03.01.06.01	6.2 6.2 7.1. 9.3.	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • d=30 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=20 cm SUPERSTRUCTURE Verges, curbs and prefabricated elements • curbs 18/24 ASPHALT PAVEMENT Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate • d=8 cm	m² m²	4,123.00 3,430.00 TOT 123.00		
01.03.01.04.01. 01.03.01.04.02 01.03.01.04.03. 01.03.01.04.03. 01.03.01.05.01	6.2	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • d=30 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=20 cm SUPERSTRUCTURE Verges, curbs and prefabricated elements • curbs 18/24 ASPHALT PAVEMENT Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate • d=8 cm Placing of wearing course made of asphalt concrete AB 11s	m² m²	4,123.00 3,430.00 TOT 123.00 TOTAL SUPP		
01.03.01.04.01. 01.03.01.04.02 01.03.01.04.03. 01.03.01.05.01 01.03.01.05.01 01.03.01.06 01.03.01.06.01	6.2 6.2 7.1. 9.3.	Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. • d=30 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=20 cm SUPERSTRUCTURE Verges, curbs and prefabricated elements • curbs 18/24 ASPHALT PAVEMENT Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate • d=8 cm	m² m²	4,123.00 3,430.00 TOT 123.00 TOTAL SUPP		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.03.01.07.		STRUCTURES, CULVERTS				
		Small slab-top and pipe culverts				
01.03.01.07.01	11.3.	- Excavation in III and IV category soil for culverts				
			m ³	55.00		
01.03.01.07.02	11.3	- Bed of sandy gravel materials, 20 cm thick - price includes				
		procurement and placing of sandy gravel material under the				
		pipes.	m ³	5.00		
01.03.01.07.03	11.3	- Concrete work, MB 30				
			m ³	14.00		
01.03.01.07.04	11.3	Prefabricated concrete pipe culverts:				
		- Ø400 mm	m'	12.00		
		- Ø1000 mm	m'	11.00		
01.03.01.07.05	11.3	- Waterproofing of top surfaces of pipe culverts with two				
		paper layers and three coats of bitumen solution over				
		bituminized paper. Payment per 1 m ² of unfolded area.	m²	42.00		
01.03.01.07.06	11.3	Procurement and placing of reinforcing bars				
			kg	490.00		
		·	FOTAL	STRUCTUR	ES, CULVERTS:	

01.03.01. SUMMARY - Connection between the parallel road and M1 road	
01.03.01.01. Preliminary works	
01.03.01.02. Earth works	
01.03.01.03. Drainage and dewatering	
01.03.01.04. Sub-bases	
01.03.01.05. Superstructure	
01.03.01.06. Asphalt pavement	
01.03.01.07. Structures, culverts	
TOTAL Connection between the parallel road and M1 road (01.03.01.):	

01.03.02. Detour of local road No. 1

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.03.02.01.		PRELIMINARY WORKS				
01.03.02.01.01.	2.1.	Geotechnical investigations				
				lump si		
01.03.02.01.02.	2.4.	Removal of bushes and trees	кт'	0.20		
		a) cutting bushes up to Ø10 cm: 495 m ²				
		b) cutting bushes Ø10 - Ø25 cm: 605 m ²				
		c) cutting trees Ø10 - Ø20 cm: 121 pcs.				
		d) cutting trees Ø20 - Ø40 cm: 60 pcs.				
		e) uprooting stumps Ø10 - Ø20 cm: 121 pcs.				
		f) uprooting stumps Ø20 - Ø40 cm: 60 pcs.				
			TOTA	AL PRELIMI	NARY WORKS:	
01.03.02.02.		EARTH WORKS				
01.03.02.02.01.	3.2.	Bulk excavation and transport (including topsoil stripping and				
		stockpiling, excavation of soil of low bearing capacity,				
		topsoiling and grassing)				
		- Excavation in III and IV category soil with loading, transport				
		and unloading of material from the excavation or borrow pit				
		- up to 60 m	m³	20.00		
		a) topsoil stripping: 339 m ³				
		- 500 m - 1000 m	m ³	913.00		
		a) surplus topsoil: 198 m ³				
01.03.02.02.02.	3.3.	Subsoil finishing				
			m²	1,071.00		
01.03.02.02.03.	3.4.	Construction of embankment (including topsoil stripping,				
		excavation of stepped side cuts, shoulder central part,				
		leveling, topsoiling and grassing of embankment slopes)	m ³	932.00		
		b) shoulder central part: 21 m ³				
		c) topsoiling of slopes: 390 m ²				
		d) topsoiling and grassing of shoulders: 306 m ²				
01.03.02.02.04.	3.5.	Wedges next to structures	m ³	62.00		
			III*		DEVINO	
				TOTAL E	ARTH WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.03.02.03.		DRAINAGE AND DEWATERING				
01.03.02.03.01.	4.3.	Drainage channels				
		- Excavation	m³	7.00		
		ΤΟΤΑ	L DRA	INAGE AND	DEWATERING:	
01.03.02.04.		SUB-BASES				
01.03.02.04.01.	6.1	Sandy gravel materials - placing subgrade layer				
01.03.02.04.02.	6.2	Procurement and placing of 0/63 mm crushed stone as rolled	m²	885.00		
01.05.02.04.02.	0.2	sub-base of pavement structure. Broken stone layer shall be				
		placed onto finished subgrade accepted by the Engineer.				
		Stone of this size shall meet requirements of SRPS U.E9.020.				
			2	715.00		
01.03.02.04.03.	6.2	• d=20 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone	m ²	715.00		
01.05.02.04.05.	0.2	onto rolled subgrade accepted by the Engineer. Rolling shall				
		be performed until even surface is achieved according to				
		designed gradients and crossfalls with tolerance of ± 1 cm.				
		• d=15 cm	m²	613.00		
				TOT	AL SUB-BASES:	
01.03.02.05.		STRUCTURES, CULVERTS				
	11.3.	Small slab-top and pipe culverts				
01.03.02.05.01.	11.3	- Excavation				
01 02 02 05 02	11.3	- Bed of sandy gravel materials, 20 cm thick - price includes	m ³	90.00		
01.03.02.05.02.	11.5	procurement and placing of sandy gravel material under the				
		pipes.	m³	6.00		
01.03.02.05.03.	11.3	- Concrete work, MB 30				
			m ³	24.00		
01.03.02.05.04.	11.3	Prefabricated concrete pipe culverts: - Ø1600 mm	m'	6.00		
01.03.02.05.05.	11.3	- Construction of 20 cm thick paving made of broken stone		0.00		
011001021001001	1110	onto 10 cm thick sand layer with infill of 1:3 cement mortar				
		mix near culverts. Payment per 1 m ² of finished paving.				
			m ²	4.00		
			FOTAL	STRUCTUR	ES, CULVERTS:	
1.03.02.SUMMAR	Y - Detour	of local road No.1				
01.03.02.01. P	RELIMINA	RY WORKS				
01.03.02.02. E	ARTH WO	RKS				
01.03.02.03. D	RAINAGE	AND DEWATERING				
01.03.02.04. S	UB-BASES					
01.03.02.05. S	TRUCTUR	ES, CULVERTS				
		TOTAL	L Detour	of local road	<u>No.1 (01.03.02.):</u>	

01.03.03. Detour of local road No.2

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.03.03.01.		PRELIMINARY WORKS				
01.03.03.01.01.	2.1.	Geotechnical investigations				
				lump s	um	
01.03.03.01.02.	2.4.	Removal of bushes and trees	кт'	0.40		
		a) cutting bushes up to Ø10 cm: 1620 m ²				
		b) cutting bushes Ø10 - Ø25 cm: 1980 m ²				
		c) cutting trees Ø10 - Ø20 cm: 396 pcs.				
		d) cutting trees Ø20 - Ø40 cm: 198 pcs.				
		e) uprooting stumps Ø10 - Ø20 cm: 396 pcs.				
		f) uprooting stumps Ø20 - Ø40 cm: 198 pcs.				
			TOT	AL PRELIMI	NARY WORKS:	
01.03.03.02.		EARTH WORKS				
01.03.03.02.01.	3.2.	Bulk excavation and transport (including topsoil stripping and				
		stockpiling, excavation of soil of low bearing capacity,				
		topsoiling and grassing)				
		- Excavation in III and IV category soil with loading, transport				
		and unloading of material from the excavation or borrow pit				
		- up to 60 m	m³	2,553.00		
		a) topsoil stripping: 975 m ³	111	2,555.00		
		- 500 m - 1000 m	m ³	1,695.00		
		a) surplus topsoil: 596 m ³		1,020.00		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.03.03.02.02.	3.3.	Subsoil finishing	2	124.00		
01.03.03.02.03.	3.4.	Construction of embankment (including topsoil stripping,	m²	124.00		
01.05.05.02.05.	5.4.	excavation of stepped side cuts, shoulder central part,				
		leveling, topsoiling and grassing of embankment slopes)	m³	4,198.00		
		b) shoulder central part: 40 m ³				
		c) topsoiling of slopes: 1252 m ²				
01.03.03.02.04.	3.5.	d) topsoiling and grassing of shoulders: 637 m ² Wedges next to structures				
01.05.05.02.04.	5.5.	wedges next to structures	m ³	144.00		
				TOTAL E	ARTH WORKS:	
01.03.03.03.		DRAINAGE AND DEWATERING			I	
01.03.03.03.01.	4.3.	Drainage channels				
		- Excavation	m ³	34.00		
			L DRA	INAGE AND I	DEWATERING:	
01.03.03.04.		SUB-BASES		1	· · · · · ·	
01.03.03.04.01.	6.1	Sandy gravel materials - placing subgrade layer	m²	2,003.00		
01.03.03.04.02.	6.2	Procurement and placing of 0/63 mm crushed stone as rolled		2,005.00		
		sub-base of pavement structure. Broken stone layer shall be				
		placed onto finished subgrade accepted by the Engineer.				
		Stone of this size shall meet requirements of SRPS U.E9.020.				
		• d=20 cm	m²	3,150.00		
01.03.03.04.03.	6.2	Placing and rolling the sub-base of 0/31.5 mm crushed stone				
		onto rolled subgrade accepted by the Engineer. Rolling shall				
		be performed until even surface is achieved according to				
		designed gradients and crossfalls with tolerance of ± 1 cm.				
		• d=15 cm	m²	1,414.00		
I			1	,	AL SUB-BASES:	
01.03.03.05.		STRUCTURES, CULVERTS			Į	
	11.3.	Small slab-top and pipe culverts				
01.03.03.05.01.	11.3	- Excavation		10.00		
01.03.03.05.02.	11.3	- Bed of sandy gravel materials, 20 cm thick - price includes	m ³	40.00		
01.03.03.03.02.	11.5	procurement and placing of sandy gravel material under the				
		pipes.	m³	10.00		
01.03.03.05.03.	11.3	Concrete work, MB 30	2	21.00		
01.03.03.05.04.	11.3	Prefabricated concrete pipe culverts:	m ³	31.00		
01.05.05.05.04.	11.5	- Ø400 mm	m'	31.00		
		- \$2+00 [[[[]]	m'	31.00		
		- Ø1000 mm	m'	28.00		
01.03.03.05.05.	11.3	- Waterproofing of top surfaces of pipe culverts	_	105.00		
			m ²	107.00		
			IOTAL	STRUCTURI	ES, CULVERTS:	
1.03.03. SUMMAR	Y - Detour of	of local road No.2				
01.03.03.01. P]	
01.03.03.02. E						
		AND DEWATERING				
01.03.03.04. S						
01.03.03.05. S	TRUCTUR	ES, CULVERTS				
		TOTAL	. Detour	• of local road	No.2 (01.03.03.):	
				-		

01.03.04. Detour of local road No.3

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.03.04.01.		PRELIMINARY WORKS				
01.03.04.01.01.	2.1.	Geotechnical investigations				
			հ	ımp sum		
01.03.04.01.02.	2.4.	Removal of bushes and trees a) cutting bushes up to Ø10 cm: 58 m ² b) cutting bushes Ø10 - Ø25 cm: 72 m ² c) cutting trees Ø10 - Ø20 cm: 14 pcs.	кm'	0.15		
		 d) cutting trees Ø20 - Ø40 cm: 7 pcs. e) uprooting stumps Ø10 - Ø20 cm: 14 pcs. f) uprooting stumps Ø20 - Ø40 cm: 7 pcs. 				
			ТОТ	AL PRELIMI	NARY WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.03.04.02.		EARTH WORKS				
01.03.04.02.01.	3.2.	Bulk excavation and transport (including topsoil stripping and				
		stockpiling, excavation of soil of low bearing capacity,				
		topsoiling and grassing)				
		- Excavation in III and IV category soil with loading, transport				
		and unloading of material from the excavation or borrow pit				
		- up to 60 m	m ³	31.00		
				01100		
		- 500 m - 1000 m	m³	4.00		
01.03.04.02.03.	3.4.	Construction of embankment (including topsoil stripping,				
		excavation of stepped side cuts, shoulder central part,				
		leveling, topsoiling and grassing of embankment slopes)	m³	31.00		
		b) shoulder central part: 38m ³				
		c) topsoiling of slopes:112 m ²				
01 02 04 02 04	2.5	d) topsoiling and grassing of shoulders: 180 m ²				
01.03.04.02.04.	3.5.	Wedges next to structures	m³	26.00		
			m		ARTH WORKS:	
01.02.04.02				IUIALE	AKTII WUKKS:	
01.03.04.03.		SUB-BASES			,	
01.03.04.03.01.	6.1	Leveling and rolling of subgrade to designed level with	m²	707.26		
01.03.04.03.02.	6.2	tolerance of ± 2 cm. Procurement and placing of 0/63 mm crushed stone as rolled	III-	707.20		
01.05.04.05.02.	0.2	sub-base of pavement structure. Broken stone layer shall be				
		placed onto finished subgrade accepted by the Engineer.				
		Stone of this size shall meet requirements of SRPS U.E9.020.				
		_				
		• d=20 cm	m²	613.00		
01.03.04.03.03.	6.2	Placing and rolling the sub-base of 0/31.5 mm crushed stone				
		onto rolled subgrade accepted by the Engineer. Rolling shall				
		be performed until even surface is achieved according to				
		designed gradients and crossfalls with tolerance of ± 1 cm.				
		• d=15 cm	m²	469.00		
				TOT	AL SUB-BASES:	
01.03.04.04.		SUPERSTRUCTURE				
01.03.04.04.01.	7.2.	Procurement and placing of 70 cm concrete gutters 70 cm				
01.05.01.01.01.	7.2.	risedicinent and placing of 70 cm coherete gatters 70 cm	m'	150.00		
			Т	OTAL SUPE	RSTRUCTURE:	
01.03.04.05.						
01.03.04.03.	11.2	STRUCTURES, CULVERTS				
01.03.04.05.01.	11.3. 11.3	Small slab-top and pipe culverts - Excavation				
01.05.07.05.01.	11.5		m³	107.00		
01.03.04.05.02.	11.3	- Bed of sandy gravel materials, 20 cm thick - price includes	-			
		procurement and placing of sandy gravel material under the				
		pipes.	m ³	4.00		
01.03.04.05.03.	11.3	Concrete work, MB 30		_		
01 00 01 07 01			m³	7.00		
01.03.04.05.04.	11.3	Prefabricated concrete pipe culverts:		E 00		
01 02 04 05 05	11.3	- Ø1000 mm - Waterproofing of top surfaces of pipe culverts	m'	5.00		
01.03.04.05.05.	11.5	- waterproofing of top surfaces of pipe curvents	m²	19.00		
		1	UTAL	STRUCTURI	ES, CULVERTS:	

01.03.04. SUMMARY - Detour of local road No.3	
01.03.04.01. PRELIMINARY WORKS	
01.03.04.02. EARTH WORKS	
01.03.04.03. SUB-BASES	
01.03.04.04. SUPERSTRUCTURE	
01.03.04.05. STRUCTURES, CULVERTS	
TOTAL Detour of local road No.3 (01.03.04.):	

01.03. SUMMARY - LOCAL ROADS	
01.03.01. CONNECTION BETWEEN THE PARALLEL ROAD AND M-1 ROAD	
01.03.02. DETOUR OF LOCAL ROAD NO. 1	
01.03.03. DETOUR OF LOCAL ROAD NO. 2	
01.03.04. DETOUR OF LOCAL ROAD NO. 3	
SUB-TOTAL	
Unforeseen work (5% of sub-total)	
TOTAL LOCAL ROADS (01.03.):	

01.04. PIPE CULVERTS

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.04.01.		EARTH WORKS				
01.04.01.01.	3.5.	Wedges next to structures				
			m ³	3,332.00		
				TOTAL E	ARTH WORKS:	
01.04.02.		STRUCTURES, CULVERTS				
01.04.02.01.	11.3.	Small slab-top and pipe culverts				
01.04.02.02.	11.3	- Excavation in III and IV category soil for culverts				
		a) 30% hand excavation	m ³	1,059.00		
				A 1 F 0 00		
		b) 70% mechanical excavation	m ³	2,470.00		
		a) demolition of the existing pipes/structure:	m ³	45.00		
01.04.02.03.	11.3	- Bed of sandy gravel materials, 20 cm thick - price includes		45.00		
01.01.02.05.	11.5	procurement and placing of sandy gravel material under the				
		pipes.	m ³	253.00		
01.04.02.04.	11.3	- Concrete work, MB 30				
			m ³	954.00		
01.04.02.05.	11.3	Prefabricated concrete pipe culverts:				
		- Ø1000 mm	m'	52.00		
		CLOOP CONTRACTOR OF CONTRACTOR		06.00		
		<u>- Ø1200 mm</u>	m'	86.00		
		- Ø1600 mm	m'	189.00		
			m	109.00		
		- Ø2000 mm	m'	158.00		
01.04.02.06.	11.3	- Waterproofing of top surfaces of pipe culverts with two				
		paper layers and three coats of bitumen solution over				
		bituminized paper. Payment per 1 m ² of unfolded area.				
			m²	2,733.00		
01.04.02.07.	11.3	- Construction of 20 cm thick paving made of broken stone				
		onto 10 cm thick sand layer with infill of 1:3 cement mortar				
		mix near culverts. Payment per 1 m ² of finished paving.				
			m²	68.00		
01.04.02.08.	11.3	- Procurement and fitting of metallic gratings on manholes		2.00		
			pcs.	2.00	l	
		·	TOTAL	STRUCTURI	ES, CULVERTS:	

01.04. SUMMARY - PIPE CULVERTS	
01.04.01. EARTH WORKS	
01.04.02. STRUCTURES, CULVERTS	
SUB-TOTAL	
Unforeseen work (5% of sub-total)	
TOTAL PIPE CULVERTS (01.04.):	

01. SUMMARY - CIVIL ENGINEERING DESIGN 01.01. HIGHWAY ALIGNMENT 01.03. LOCAL ROADS 01.04. PIPE CULVERTS TOTAL CIVIL ENGINEERING DESIGN (01.): 1-79

2.01. Stormwat Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
8.5.1/2.01.	4.4.1.	Mechanical and hand trench excavation in II and III category				
		soil for placing of sewers in the road structure.				
		<u>0-2 m</u>				
		mechanical excavation (90%)	m ³	3,433.06		
			3			
		hand excavation (10%)	m ³	381.45		
8.5.1/2.01.01	4.4.1.	-Procurament and laying of plastic half-perforated drain pipes				
		for subgrade and median drainage	1			
		-Ø110 mm	m^1	3,226.00		
8.5.1/2.01.02	4.1.2.	Filling of drainage channels with filter material	m ³	1 (12 00		
0.5.1/2.01.02	051/		m	1,613.00		
8.5.1/2.01.03	8.5.1/	Procurament and laying of rubber mat below the pave road	m ²	15 495 00		
8.5.1/2.02.	2.01.03	Procurement, transport, distribution along the trench and	m	15,485.00		
8.3.1/2.02.	4.4.6.	assembly of sewer pipes in the trench.				
			1	6.00		
0.5.4/2.02		Ø160 mm PVC SN8 (gully connections)	m ¹	6.00		
8.5.1/2.03.	4.4.7.	Procurement, transport, distribution along the trench and				
		assembly of sewer pipes in the trench.	1			
		Ø 300 mm PEHD SN8 class	m ¹	2,776.13		
		Ø 400 mm PEHD SN8 class	m^1	475.72		
		Ø 500 mm PEHD SN8 class	m^1	112.03		
8.5.1/2.04.	4.4.4.	Construction of Ø 100cm round manholes by using				
		prefabricated elements of impervious reinforced concrete MB				
		40.	m^1	122.42		
8.5.1/2.05.		Cast iron covers				
	8.5.1/2.05.		pcs.	8.00		
8.5.1/2.06.	0 5 1/0 0 5	Cast iron rungs		100.00		
0.5.1/2.07	8.5.1/2.06.	Street gutters with grating	pcs.	490.00		
8.5.1/2.07.	8.5.1/2.07.	Sueet gutters with grating	nac	2.00		
8.5.1/2.08.	0.3.1/2.07.	Ø600 mm gutter grating	pcs.	2.00		
0.3.1/2.08.	8.5.1/2.08.		pcs.	96.00		
8.5.1/2.09.	8.5.1/2.08.	Geodetic survey of stormwater sewage system including	pes.	90.00		
8.5.1/2.09.	0.5.1/2.07.	report preparation.	m^1	3,363.88		
			m	5,505.00	SUB-TOTAL	
			II. C			
					(5% of sub-total)	
		<u>TOTAL STORMW</u>	ATER	SEWAGE SY	'STEM (02.01.):	

Regulation of water streams 06.01. Regulation of Vasiljkovac brook at km 874+115.48

6.01. Regulatior Item No.		ovac brook at km 874+115.48	Unit	Quantity	Unit Price	Total
06.01. 01.	T.S.	Work Description PRELIMINARY WORKS	Umt	Quantity	Unit Price	Total
06.01.01. 06.01.01.01.	2.4.	For river bed regulation: clear ground from brushwood, cut trees up to 10 cm thick and uproot stumps and transport them to dump area specified by the Investor and/or the Engineer. The price includes loading into vehicles, transport to distance of 5 km, unloading and leveling of dump area. Prior to commencement of works, the Contractor in cooperation with the Engineer shall measure quantities and make record into the book. Payment per m ² of cleared area.				
			m ²	1,395.00		
06.01.01.02.	2.4.	Cutting trees by mechanical saw, trimming and cutting branches, loading into vehicles, transport to dump area to distance up to 5 km specified by the Engineer and stacking up. Payment per one piece for completed work depending on tree diameter.				
		a) Ø 10 - 20 cm	pc.	15.00		
		b) Ø 20 - 30 cm	pc.	5.00		
06.01.01.03.	2.4.	Pulling out stumps and roots after trees cutting. The price includes loading and transport to distance of 5 km specified by the Engineer. Measurement per one piece depending on tree diameter.				
		a) Ø 10 - 20 cm	pc.	15.00		
		b) Ø 20 - 30 cm	pc.	5.00		
06.01.01.04.	2.2.	Geodetic surveying. Recovery of apex and traverse in	pe.	5.00		
		length of river regulation prior to starting of works.	m'	155.00		
					NARY WORKS:	
06.01. 02.		EARTH WORKS				
06.01.02.02.	11.7.1.	For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table).				
		a) Work in naturally moist earth (70 %)	m ³	469.51		
			m ³	201.22		
06.01.02.03.	11.7.1.	 b) Work in wet earth (30%) For construction of supporting structure: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation) 		201.22		
		table).				
		table). a) Work in naturally moist earth (70 %)	m ³	49.07		

06.01.02.07.11.7.2.2.Iayer under the regulated bed. Payment per m³ of spread gravel.m³39.8606.01.02.07.11.7.2.2.Filling of bank slopes prior to making stone revetment according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m³ of filled material.m³39.8606.01.02.08.3.4.1.5.4.Protection of slope section from the end point of stone revetment to the existing ground by topsoiling and grassing. Measurement per m² of topsoiled and grassed area.m²221.52	Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
06.01.02.05 11.7.1.4 Additional excavation by hand including fine and rough leveling of bcd. After mechanical excavation by hand. Eveling of bcd. After mechanical excavation by hand. Eveling of bcd. After mechanical excavation by hand. Eveling of bcd. After mechanical excavation by hand. Evecavated on the stockpiling area or used for embankment construction. Leveling shall be defined to designed by hand. Evecavated material shall be transported to the stockpiling area or used for embankment construction. Leveling shall be defined to designed by hand. Evecavated material shall be transported to the stockpiling area or used for embankment construction. Leveling shall be defined to designed by works. Measurement per m ⁰ . m ⁰ 117.38 06.01.02.06 11.7.3.2 Piocurement and spreading of 15 cm thick sandy gravel layer under the regulated bed. Payment per m ¹ of spread gravel according to cross sections from the design. Spots shall be defined compacting and gravel according to cross sections from the design. Spots shall be defined compacting and gravel according to cross sections from the design. Spots shall be defined compacting and gravel according in 30 cm thick layers and mechanical compacting and gravest and develoring in 30 cm thick layers and mechanical compacting and gravest and according to cross sections from the design. Spots shall be defined for the exclusing gravest and gravest a	06.01.02.04.	11.7.1.4.	Hand excavation in earth of II and III category for				
06.01.02.05 11.7.1.4 Additional eccavation by hand including fine and rough leveling of hed. After mechanical excavation bed bottom and slopes shall be additionally excavated by hand. Eccavated matrixid shall be transported on beschpeling area or used for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. Price includes any dewatering operation during wirk. Measurement per m ³ m ³ 117.33 06.01.02.06 11.7.3.2 bit Work in naturally moist earth (70 %) m ³ 117.38 06.01.02.06 11.7.3.2 Procurement and spreading of 15 cm lick sandy gravet layer under the regulated bob. Payment per m ³ of spread ignered. m ³ 50.30 06.01.02.07 11.7.2.2 Filling of bank slopes prior to making usore reverement according to cross sections from the design. Slopes shall be field with excavad material along with spreading and leveling in 30 cm thick kayes and mechanical compaction to the required compactness. Payment per m ³ of field material. m ³ 39.86 06.01.02.08 34.1.5.4 Protection of slope section from the design. Slopes shall be field with excavad material along with spreading and leveling in 30 cm theick kayes and mechanical compaction to the required compactness. Payment per m ³ of field material. m ³ 114.85 06.01.02.09 11.7.3.2 Fortextron of slope section from the endoptiont of sino args ing. Measurement per m ³ of transport. m ³ 811.20 06.01.02.00 11.7.3.4 Fortextron of regulated river bed section by using d=30 cm harmetrial. m ³ 8							
06.01.02.05 11.7.14 Additional excavation by hand including fine and rough leveling of bed. After mechanical excavation bed bottom med solpes shall be additionally excavated by hand. Excavated material shall be transported to the stockpiling area or used for embankment construction. Leveling shall iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii							
06.01.02.05. 11.7.14. Image: securation by hand including fine and rough headfitionally excavation by hand. Image: securation by hand including fine and rough headfitionally excavated by hand. Excavation that headfitionally excavated by hand. Excavation that is transported to the stockpilling area or used for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed the evels. Price includes any dewatering operation during works. Measurement per m ³ . m ³ 117.38 06.01.02.06. 11.7.32. b) Work in wet earth (70 %). m ³ 50.30 06.01.02.07. 11.7.32. Fried includes any dewatering operation during works. Measurement per m ³ of spread gravel layer under the regulated bed. Payment per m ³ of spread m ² 39.86 06.01.02.07. 11.7.22. Filling of baak slopes prior to making stone reventment according to cross sections from the design. Slopes shall be filled with excavated mareinal along with spreading and gravel layer under the regulated bed. Payment per m ³ of filled material and gravel spreading and gravel layer material along with spreading and gravel layer material along with spreading and gravel gravel. m ³ 114.85 06.01.02.08. 34.1.15. Precursment per m ³ of filled material encompating and gravel gravel. m ³ 114.85 06.01.02.09. 11.7.12. All material remained from excavation not used for filling material encompating of material. Payment per m ³ of transported material structure spreading and gravel gra							
06.01.02.05. 11.7.1.4. Additional excavation by hand including fine and rough the dottom and slopes shall be additionally excavated by hand. Excavated material shall be transported to the stockpiling area or used for enhankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. Froie includes any dewatering operation during works. Measurement per m ³ . m ³ 117.38 06.01.02.06. 11.7.3.2 Procurement and spreading of 15 cm thick snudy gravel layer under the regulated bed. Payment per m ³ of spread gravel. m ³ 50.30 06.01.02.07. 11.7.3.2 Procurement and spreading of 15 cm thick snudy gravel layer under the regulated bed. Payment per m ³ of spread gravel. m ³ 39.86 06.01.02.07. 11.7.3.2 Former and spreading of 15 cm thick snudy gravel layer under the regulated bed. Payment per m ³ of filled material. m ³ 39.86 06.01.02.07. 11.7.3.2. Former bed. m ³ 39.86 11.7.2.1. Former bed. Former bed. m ³ 114.85 06.01.02.07. 11.7.3.2. Former bed. m ³ 114.85 06.01.02.08. 3.4.1.5.4 Protection of slope section from the end point of store required compactness. Payment per m ³ of filled material. m ³ 114.85 06.01.02.09. 11.7.1.7.1 All material remained from excavation not used for fil			per m ³ of excavated earth.				
below is a set of the standard set of the stockyling area or used for enablement construction. Leveling shall be different to a start (70 %) m ³ 117.38 06.01.02.06. 11.7.3.2 mode for enablement construction. Leveling shall be different to a start (70 %) m ³ 50.30 06.01.02.07. 11.7.3.2 Filling of bank slopes prior to making stone reventent according to errors sections from the design. Slopes shall be differential along with spreading and the cavated material along with spreading and the cavated material along with spreading and the cavated material along with spreading and the design. Slopes shall be differential along with spreading and the design. Slopes shall be differential along with spreading and material. m ³ 114.85 06.01.02.08. 3.4.1.54. Protection of slope section from the end point of stone reventment according to errors slope section from the end point of stone reventment to the existing ground by topsoling and grassiting. Measurement per m ³ of filled material. m ³ 114.85 06.01.02.08. 3.4.1.54. Protection of slope section from the end point of stone reventment active residue and grassiding area specified by the Engineer. Price includes folding areas port of the by the Engineer. Price includes folding areas port of the by the Engineer. Price includes folding areas port of the by the Engineer. Price includes folding areas port of the by the Engineer. Price includes folding areas port of the by the Engineer. Price includ	06 01 02 05	11714	Additional anomatica has been diverse diverse first and south	m ³	17.53		
and slopes shall be additionally excavated by hand. Excavated material shall be transported to the stockpilling area or used for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. Price includes sup dewatering operation during works. Measurement per m ³ . m ³ 117.38 a) Work in naturally moist earth (70 %) m ³ 50.30 includes support to the regulated bed. Payment per m ³ of spread m ³ 50.30 06.01.02.06. 11.7.2.2 Procurement and spreading of 15 cm thick sandy gravel layer under the regulated bed. Payment per m ³ of spread m ³ 39.86 06.01.02.07. 11.7.2.2 Filling of bask slopes prior to making stone revenent accorate filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to be required compacteness. Payment per m ³ of filled material. m ³ 114.85 06.01.02.08. 3.4.1.54. Protection of slope section from the disput point of stone reveal. m ³ 114.85 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpilling area specified by the Engineer. Price includes loading, transported material. m ³ 811.20 06.01.02.09. 11.7.3.4. Stone reveal. Stone reveal. m ³ 811.20 06.01.03.01. 11.7.3.4. Stone reveal. Stone reveal. m ³ 811.20 06.01.03.01. 11.7.3.4. Stone reveal. Stone reveal.<	00.01.02.03.	11./.1.4.					
Barbon Construction of support of the stockpilling and levels. Price includes any dewatering operation during works. Measurement per m ³ . m ³ 117.38 06.01.02.06. 11.7.32. a) Work in naturally moist earth (70 %) m ³ 117.38 06.01.02.06. 11.7.32. Procurement and spreading of 15 cm thick sandy gravel arravel. under the regulated bed. Payment per m ³ of spread m ³ 39.86 06.01.02.07. 11.7.32. Filing of bank slopes prior to making store revertment according to cross sections from the design. Slopes shall be filed with exervated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material. m ³ 114.85 06.01.02.08. 3.4.1.5.4 Protection of slope section from the end point of stone revertment to the existing ground by bosoling and grassing. Measurement per m ³ of filled material. m ³ 114.85 06.01.02.08. 3.4.1.5.4 Frotection of slope section from the end point of stone revertment to the existing ground by bosoling and grassed grassing. Measurement per m ³ of transported material. m ³ 811.20 Oto 11.7.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.							
06.01.02.06. 11.7.3.2. Procurrent and spreading of 15 cm thick sandy gravel have a specified by the strapped of the stockpilling and levels. Price includes any devatering operation during works. Measurement per m ³ . m ³ 117.3.8 06.01.02.06. 11.7.3.2. Procurrent and spreading of 15 cm thick sandy gravel have a specified by the spread gravel. m ³ 50.30 06.01.02.07. 11.7.3.2. Procurrent and spreading of 15 cm thick sandy gravel have a spread gravel. m ³ 39.86 06.01.02.07. 11.7.3.2. Forcurrent and spreading of 15 cm thick sandy gravel have a spread gravel. m ³ 39.86 06.01.02.07. 11.7.2.2. Filling of back slopes prior to making stone revernent account to the regulated bed. Payment per m ³ of filled material. m ³ 39.86 06.01.02.08. 3.4.1.5.4. Filling of back slopes prior to making stone revernent account to the required compactness. Payment per m ³ of filled material. m ³ 114.85 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling and prosting and grassing. Measurement per m ³ of topsolifing and grassed							
be performed to accuracy of 2 cm in relation to designed levels. Price includes any devatering operation during works. Measurement per m ³ . m ³ 117.38 a) Work in naturally moist earth (70 %) m ³ 50.30 m ³ b) Work in vet earth (30%) m ³ 50.30 b) Work in vet earth (30%) m ³ 50.30 color 0.2.07. 11.7.3.2. Procurement and spreading of 15 cm thick sandy gravel largevel. m ³ 39.36 color 0.2.07. 11.7.2.2. Filling of bank slopes prior to making stone revetment according to cross sections from the design. Slopes shall be filled with excurated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material. m ³ 114.85 06.01.02.08. 3.4.1.5.4. Protection of slope section from the end point of stone revetment to the existing ground by topsoling and grassing. Measurement per m ³ of transport. m ³ 811.20 06.01.02.09. 11.7.1.7. All material remained from excavation on used for filling material. m ³ 811.20 06.01.03.01. 11.7.3.4. FORE WORKS material remained form section by using d=30 cm haumer-dressed stone embedded in 1.3 cement mortar. For formation of regulated fiver bed section by using d=30 cm haumer-dressed stone embedded in 1.3 cement mortar. For formation of supporting area parallel. Joints that be filled with 1.2 cement mortar. Payment per m ³ of placed stone. m ³ 88.83							
bevels. Price includes any dewatering operation during works. Measurement per m ³ . m ³ 117.3.8 a) Work in naturally moist earth (70 %) m ³ 117.3.8 b) Work in vet earth (30%) m ³ 50.30 co.01.02.06. 11.7.3.2. Procurement and spreading of 15 cm thick sandy gravel layer under the regulated bed. Payment per m ³ of spread gravel. m ³ 50.30 co.01.02.07. 11.7.2.2. Filling of bank slopes prior to making store revertment according to reves sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material. m ³ 114.85 06.01.02.08. 3.4.1.5.4. Protection of slope section from the end point of store reverment to existing ground by topsoling and grassing. Measurement per m ³ of topsoled and grassed area. m ² 221.52 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m ³ of transported material along common of the set bus son bight filled with 1.2 cement mortar. For from the run store edges are parallel. Joints shall be filled with 1.2 cement mortar. Payment per m ³ of placed stone. m ³ 8.81.20 06.01.03.00 11.7.3.4. Formation of regulated river bed section by using d=30 cm hamme-dressed stone embedded in 1.3 cement mortar. For from the run store edges are parall							
works. Measurement per m ³ . m ³ 117.3.8 a) Work in naturally moist earth (70 %) m ³ 117.3.8 b) Work in wet earth (30%) m ³ 50.30 procurement and spreading of 15 cm thick sandy gravel large under the regulated bed. Payment per m ³ of spread gravel. m ³ 50.30 06.01.02.07. 11.7.3.2. Filling of bank slopes prior to making stone revenent according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material. m ³ 114.85 06.01.02.08. 3.4.1.5.4. Protection of slope section from the end point of stone reventment to the estisting groud by topsoliting and grassing. Measurement per m ² of topsoliting and grassing. Measurement per m ³ of transported material. m ³ 221.52 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Englineer. Price includes loading, transport, unloading and transported use only high-quality linestone so that front side edges are parallel. Joints shall be filled with 1:2 cement mortar. Payment per m ³ of placed stone. m ³ 811.20 06.01.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cemen							
06.01.02.06. 11.7.3.2 Procurement and spreading of 15 cm thick sandy gravel layer under the regulated bed. Payment per m ³ of spread m ³ 39.86 06.01.02.07. 11.7.2.2 Filling of bank slopes prior to making some revetment according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material. m ³ 39.86 06.01.02.08. 3.4.1.5.4. Protection of loop section from the end point of stone revetment according to the existing ground by topsoiling and grassing. Measurement per m ³ of topsoiling and rough spreading of material. Payment per m ³ of transported m ³ 811.20 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling and rough spreading of material. Payment per m ³ of transported m ³ 811.20 06.01.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality linestone so that front side edges are parallel. Joints shall be filled with 1: 2: cement mortar. Payment per m ³ of placed stone. m ³ 48.08 06.01.03.01. 11.7.3.5. Construction of supporting structures of d=30 cm stome embedded in cement mortar according to the enclosed design drawings.							
06.01.02.06. 11.7.3.2 Procurement and spreading of 15 cm thick sandy gravel layer under the regulated bed. Payment per m ³ of spread m ³ 39.86 06.01.02.07. 11.7.2.2 Filling of bank slopes prior to making some revetment according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material. m ³ 39.86 06.01.02.08. 3.4.1.5.4. Protection of loop section from the end point of stone revetment according to the existing ground by topsoiling and grassing. Measurement per m ³ of topsoiling and rough spreading of material. Payment per m ³ of transported m ³ 811.20 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling and rough spreading of material. Payment per m ³ of transported m ³ 811.20 06.01.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality linestone so that front side edges are parallel. Joints shall be filled with 1: 2: cement mortar. Payment per m ³ of placed stone. m ³ 48.08 06.01.03.01. 11.7.3.5. Construction of supporting structures of d=30 cm stome embedded in cement mortar according to the enclosed design drawings.							
06.01.02.06. 11.7.3.2 Procurement and spreading of 15 cm thick sandy gravel layer under the regulated bed. Payment per m ³ of spread m ³ 39.86 06.01.02.07. 11.7.2.2 Filling of bank slopes prior to making some revetment according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material. m ³ 39.86 06.01.02.08. 3.4.1.5.4. Protection of loop section from the end point of stone revetment according to the existing ground by topsoiling and grassing. Measurement per m ³ of topsoiling and rough spreading of material. Payment per m ³ of transported m ³ 811.20 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling and rough spreading of material. Payment per m ³ of transported m ³ 811.20 06.01.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality linestone so that front side edges are parallel. Joints shall be filled with 1: 2: cement mortar. Payment per m ³ of placed stone. m ³ 48.08 06.01.03.01. 11.7.3.5. Construction of supporting structures of d=30 cm stome embedded in cement mortar according to the enclosed design drawings.							
06.01.02.06. 11.7.3.2 Procurement and spreading of 15 cm thick sandy gravel layer under the regulated bed. Payment per m ³ of spread m ³ 39.86 06.01.02.07. 11.7.2.2 Filling of bank slopes prior to making some revetment according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material. m ³ 39.86 06.01.02.08. 3.4.1.5.4. Protection of loop section from the end point of stone revetment according to the existing ground by topsoiling and grassing. Measurement per m ³ of topsoiling and rough spreading of material. Payment per m ³ of transported m ³ 811.20 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling and rough spreading of material. Payment per m ³ of transported m ³ 811.20 06.01.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality linestone so that front side edges are parallel. Joints shall be filled with 1: 2: cement mortar. Payment per m ³ of placed stone. m ³ 48.08 06.01.03.01. 11.7.3.5. Construction of supporting structures of d=30 cm stome embedded in cement mortar according to the enclosed design drawings.			a) Work in naturally moist earth (70 %)	m ³	117.38		
06.01.02.06. 11.7.3.2. Procurement and spreading of 15 cm thick sandy gravel layer under the regulated bed. Payment per m³ of spread m³ 39.86 39.86 06.01.02.07. 11.7.2.2. Filling of bank slopes prior to making stone revetment according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m³ of filled material. m³ 114.85 06.01.02.07. 3.4.1.5.4. Protection of slope section from the end point of stone revetment to the existing ground by topsoiling and grassing. Measurement per m² of topsoiled and grassed area. m² 221.52 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported material. m² 221.52 06.01.03.01. 11.7.3.4. STONE WORKS TOTAL EARTH WORKS: 06.01.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in 1:3 cement mortar. For formation of river bed section by using d=30 cm stone that from side edges are parallel. Joints shall be filled with t: 2 cement mortar. Payment per m³ of placed stone. m³ 48.08 06.01.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limest							
06.01.02.07.11.7.22.layer under the regulated bed. Payment per m³ of spread gravel.m³39.8606.01.02.07.11.7.22.Filling of bank slopes prior to making stone revetment according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m³ of filled material.m³114.8506.01.02.08.3.4.1.5.4.Protection of slope section from the end point of stone revetment to the existing ground by topsoiling and grassing. Measurement per m² of transport.m²221.5206.01.02.09.11.7.1.7.All material remained from excavation not used for filling ashalb te transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and material.m³811.2006.01.03.01.11.7.3.4.Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement motar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1:2 cement motar. Payment per m³ of placed stone.m³811.2006.01.03.02.11.7.3.4.Formation of supporting structures of d=30 cm stone embedded in 1:3 cement motar. For formation of supporting structures of d=30 cm stone embedded in cement motar according to the enclosed design drawings. Payment per m³ of placed stone.m³48.0806.01.03.03.11.7.3.4.Rip-rap over the existing river bed, upstream (l=50+5.0 m) fom the regulated bed. Payment per m³ of placed stone.m³58.8306.01.03.03.11.7.3.4.Rip-r				m ³	50.30		
06.01.02.07. 11.7.2.2. Filling of bank slopes prior to making stone revetment according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material. m ³ 114.85 06.01.02.08. 3.4.1.54. Protection of slope section from the end point of stone revetment to the existing ground by topsoiling and grassing. Measurement per m ² of topsoiled and grassed m ² m ³ 114.85 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m ³ of transported material. m ³ 811.20 06.01.03.00. 11.7.3.4 Stone WORKS Stone Works m ³ 811.20 06.01.03.01. 11.7.3.4. Construction of supporting structures of d=30 cm stone embedded in 1:3 cement motar. For formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement motar. For formation of supporting structures of d=30 cm stone embedded in cement motar. For formation of supporting structures of d=30 cm stone embedded in 1:3 cement motar. For formation of supporting structures of d=30 cm stone embedded in 1:3 cement motar. For formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement motar. For formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement motar. For formation o	06.01.02.06.	11.7.3.2.					
06.01.02.07. 11.7.2.2. Filling of bank slopes prior to making stone revetment according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material. m ³ 114.85 06.01.02.08. 3.4.1.5.4. Protection of slope section from the end point of stone revetment to the existing ground by topsoling and grassing. Measurement per m ² of topsoliled and grassed area. m ² 221.52 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling material. m ³ 811.20 06.01.03.00. 11.7.3.4. STONE WORKS TOTAL EARTH WORKS: 06.01.03.01. 11.7.3.5. Construction of supporting structures of d=30 cm shall be filled with 1:2 cement mortar. Payment per m ³ of placed stone. m ³ 811.20 06.01.03.01. 11.7.3.5. Construction of supporting structures of d=30 cm shall be filled with 1:2 cement mortar. Payment per m ³ of placed stone. m ³ 88.08 06.01.03.01. 11.7.3.5. Construction of supporting structures of d=30 cm shall be filled with 1:2 cement mortar. Payment per m ³ of placed stone. m ³ 88.08 m ³ 48.08 m ³ 06.01.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to					20.96		
06.01.02.09. 3.4.1.5.4. Protection of sopurating to cross sections from the design. Slopes shall be filled material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material. m ³ 114.85 06.01.02.08. 3.4.1.5.4. Protection of slope section from the end point of stone revertment to the existing ground by topsoling and grassing. Measurement per m ² of topsoling and grassing. Measurement per m ² of topsoling and rough spreading of material. m ² 221.52 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m ³ of transported material. m ³ 811.20 06.01.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of regulated river bed, sconton embedded stone. m ³ 881.20 06.01.03.01. 11.7.3.4. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to	06 01 02 07	11722		m	39.80		
06.01.02.08. 3.4.1.5.4. Fortexet excavated earth to fill ground and backfill the old river bed. m³ 114.85 06.01.02.08. 3.4.1.5.4. Protection of slope section from the end point of stone revertment to the existing ground by topsoling and grassing. Measurement per m³ of topsolide and grassed area. m² 221.52 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling and grassing. Measurement per m³ of topsolide and grassed area. m² 221.52 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling and grassed area. m² 811.20 06.01.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use coll by high-quality limestone so that from side edges are parallel. Joints shall be filled with 1:2 cement mortar. Payment per m³ of placed stone. m³ 48.08 06.01.03.01. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that from side edges are parallel. Joints shall be filled with 1:2 cement mortar. Payment per m³ of placed stone. m³ 48.08 06.01.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar. Payment per m³ of placed stone. m³ 48.08 m³ 06.01	00.01.02.07.	11.7.2.2.					
$\begin{array}{ c c c c c } & \begin{tabular}{ c c } & \begin{tabular}$							
bit the required compactness. Payment per m³ of filled material. m³ 114.85 06.01.02.08. 3.4.1.5.4. Protection of slope section from the end point of stone revettment to the existing ground by topsoiling and grassing. Measurement per m² of topsoiled and grassed area. m² 221.52 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and material. m³ 811.20 STONE WORKS 06.01.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestones on that front side edges are parallel. Joints shall be filled with 1: 2 cement motrar. Payment per m³ of placed stone. m³ 48.08 06.01.03.01. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in 1:3 cement motrar. For formation of regulated river bed, user m³ of placed stone. m³ 48.08 06.01.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in 1:3 cement motrar. For formation of ray payment per m³ of placed stone. m³ 58.83 m³ 06.01.03.01. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement motrar according to the enclosed design drawings. Payment per m³ of placed stone. m³							
06.01.02.08. 3.4.1.5.4. Image: Constraint of the expectation of stope section from the end point of stone revetment to the existing ground by topsoiling and grassing. Measurement per m² of topsoiled and grassed area. m² 221.52 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported material. m³ 811.20 Of 0.01.03.01. 06.01.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1:2 cement mortar. Payment per m³ of placed stone. m³ 48.08 06.01.03.01. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1:2 cement mortar. Payment per m³ of placed stone. m³ 48.08 06.01.03.01. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 58.83 06.01.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m from the regulated bed. Payment per m³ of placed stone.							
06.01.02.08. 3.4.1.5.4. NOTE: Use excavated earth to fill ground and backfill the old river bed. Image: Construction of slope section from the end point of stone revetment to the existing ground by topsoiling and grassing. Measurement per m² of topsoiled and grassed area. Image: Construction of slope section from the end point of stone revetment to the existing ground by topsoiling and grassing. Measurement per m² of topsoiled and grassed area. Image: Construction of slope section from the end point of stone revetment to the existing ground by topsoiling and grassed area. Image: Construction of slope section from the end point of stone revetment to the existing ground by topsoiling and grassed area. Image: Construction of slope section from the end point of stone revetment to the existing interval to the stockpilling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported material. Image:			material.				
06.01.02.08. 3.4.1.5.4. Orderiver bed. Image: Construction of slope section from the end point of stone revertment to the existing ground by topsoiling and grassed area. m² 221.52 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported material. m³ 811.20 06.01.03.01. 11.7.3.4. STONE WORKS ToTAL EARTH WORKS: 06.01.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of rive bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1: 2 cement mortar. Payment per m³ of placed stone. m³ 48.08 06.01.03.01. 11.7.3.4. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 48.08 06.01.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 58.83 06.01.03.03. 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 15.00 <				m ³	114.85		
06.01.02.08. 3.4.1.5.4. Protection of slope section from the end point of stone revetment to the existing ground by topsoiling and grassing. Measurement per m² of topsoiled and grassed area. m² 221.52 06.01.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported material. m³ 811.20 TOTAL EARTH WORKS: 06.01.03.01. 11.7.3.4. STONE WORKS m³ 811.20 06.01.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1: 2 cement mortar. Payment per m³ of placed stone. m³ 48.08 06.01.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 58.83 m³ 06.01.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 58.83 m³			-				
06.01.02.09. $11.7.1.7.$ $I1.7.1.7.$ I	06 01 02 08	24154					
06.01.02.09.11.7.1.7.Reasurement per m² of topsoiled and grassed area.m²221.5206.01.02.09.11.7.1.7.All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported material.m³811.20TOTAL EARTH WORKS:06.01.03.01.11.7.3.4.STONE WORKS06.01.03.01.11.7.3.4.Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1:2 cement mortar. Payment per m³ of placed stone.m³48.0806.01.03.02.11.7.3.5.Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone.m³58.8306.01.03.0311.7.3.3.Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone.m³15.00	00.01.02.08.	5.4.1.5.4.					
$06.01.02.09.$ $11.7.17.$ $11.7.17.$ $\frac{\text{area.}}{\text{All material remained from excavation not used for fillingshall be transported to the stockpiling area specified by theEngineer. Price includes loading, transport, unloading andrough spreading of material. Payment per m³ of transportedmaterial.m^3811.20TOTAL EARTH WORKS:O6.01.03.06.01.03.06.01.03.01.11.7.3.4.\frac{\text{STONE WORKS}}{\text{Formation of regulated river bed section by using d=30 cm} formation of regulated river bed section by using d=30 cm formation of river bed use only high-quality limestone sothat front side edges are parallel. Joints shall be filled with1 : 2 cement mortar. Payment per m³ of placed stone.m³48.0806.01.03.02.11.7.3.5.Construction of supporting structures of d=30 cm stoneembedded in cement mortar according to the encloseddesign drawings. Payment per m³ of placed stone.m³58.8306.01.03.0311.7.3.3.Rip-rap over the existing river bed, upstream (l=5.0+5.0 m)from the regulated bed. Payment per m³ of placed stone.m³15.00$							
06.01.02.09.11.7.1.7.All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported material.Image: material specified sp				m²	221.52		
Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported material.m³811.20TOTAL EARTH WORKS:06.01.03.01.11.7.3.4.STONE WORKS Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestones so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone.m³48.0806.01.03.02.11.7.3.5.Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone.m³58.8306.01.03.0311.7.3.3.Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone.m³15.00	06.01.02.09.	11.7.1.7.	All material remained from excavation not used for filling				
rough spreading of material. Payment per m³ of transported material.m³811.2006.01.03. 06.01.03.01.STONE WORKS06.01.03.01.11.7.3.4.STONE WORKSFormation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone.m³48.0806.01.03.02.11.7.3.5.Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone.m³58.8306.01.03.0311.7.3.5.Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone.m³15.00							
material. m³ 811.20 TOTAL EARTH WORKS: 06.01.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone. m³ 48.08 06.01.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 58.83 06.01.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 15.00							
m3811.20TOTAL EARTH WORKS:06.01.03.01.11.7.3.4.STONE WORKS06.01.03.01.11.7.3.4.Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone.m³48.0806.01.03.02.11.7.3.5.Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone.m³58.8306.01.03.0311.7.3.3.Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone.m³15.00							
O6.01.03. 06.01.03.01. STONE WORKS 06.01.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone. m³ 48.08 06.01.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 58.83 06.01.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 15.00			material.		911 20		
06.01.03. STONE WORKS 06.01.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone. m³ 48.08 06.01.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 58.83 06.01.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 15.00				m			
06.01.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone. m³ 48.08 06.01.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 58.83 06.01.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 15.00	0.04.07	r	GRONE WORKS		TOTALE	AKTH WORKS:	
hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1:2 cement mortar. Payment per m³ of placed stone. m³ 48.08 06.01.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 58.83 06.01.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 15.00		11724					
06.01.03.02. 11.7.3.5. Formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone. m³ 48.08 06.01.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 58.83 06.01.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 15.00	00.01.03.01.	11./.3.4.					
06.01.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 48.08 06.01.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 58.83							
06.01.03.02. 11.7.3.5.							
06.01.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 48.08 06.01.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 58.83							
06.01.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 58.83				m ³	48.08		
06.01.03.03 11.7.3.3. design drawings. Payment per m³ of placed stone. m³ 58.83 06.01.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 15.00	06.01.03.02.	11.7.3.5.					
06.01.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m ³ of placed stone. m^3 15.00							
06.01.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 15.00			design drawings. Payment per m ³ of placed stone.	_	FO 07		
from the regulated bed. Payment per m ³ of placed stone. m ³ 15.00	06.01.02.02	11722	Din non-orientities since had as $(1.50, 50)$	m ³	58.83		
m ³ 15.00	00.01.03.03	11.7.3.3.					
			nom me regulated bed. r'ayment per m ^o of placed stone.	m ³	15.00		
		1	1			TONE WODZE.	

06.01. SUMMARY - REGULATION OF VASILJKOVAC BROOK AT KM 874+115.48	
06.01.01. PRELIMINARY WORKS	
06.01.02. EARTH WORKS	
06.01.03. STONE WORKS	
TOTAL REGULATION OF VASILJKOVAC BROOK AT KM 874+115.48 (06.01.):	

06.02. Regulation of the Juzna Morava River at km 874+266.12

		na Morava River at km 874+266.12 Work Description	Unit	Quantity	Un:4 Duine	Tatal
Item No. 06.02.01.	T.S.	Work Description PRELIMINARY WORKS	Unit	Quantity	Unit Price	Total
06.02.01.01.	2.4.	For river bed regulation: clear ground from brushwood, cut trees up to 10 cm thick and uproot stumps and transport them to dump area specified by the Investor and/or the Engineer. The price includes loading into vehicles, transport to distance of 5 km, unloading and leveling of dump area. Prior to commencement of works, the Contractor in cooperation with the Engineer shall measure				
		quantities and make record into the book. Payment per m ² of cleared area.	m²	26,880.00		
06.02.01.02.	2.2.	Geodetic surveying. Recovery of apex and traverse in length of river regulated section prior to start of works.	m'	640.00		
					NARY WORKS:	
06.02. 02.		EARTH WORKS				
06.02.02.01.	3.1.	Stripping topsoil to depth of 25 cm with clearing weeds and other plants. Topsoil shall be stockpiled at distance up to 5 km. Payment per m ³ of transported material.	m ³	1,733.33		
06.02.02.02.	11.7.1.	For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table).				
		a) Work in naturally moist earth (70 %)	m³	25,914.58		
06.02.02.03.	11.7.1.	b) Work in wet earth (30%) For construction of supporting structure: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table).	m ³	11,106.25		
		a) Work in naturally moist earth (70 %)	m ³	280.50		
		b) Work in wet earth (30%)	m ³	120.22		
06.02.02.04.	11.7.1.4.	Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m ³ of excavated earth.	m ³	276.80		
06.02.02.05.	11.7.1.4.	Additional excavation by hand including fine and rough leveling of bed. After mechanical excavation bed bottom and slopes shall be additionally excavated by hand. Excavated material shall be transported to the stockpiling area or used for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. Price includes any dewatering operation during works. Measurement per m ³ .				
		a) Work in naturally moist earth (70 %)	m³	2,033.76		
		b) Work in wet earth (30%)	m ³	871.61		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
06.02.02.06.	11.7.3.2.	Procurement and spreading of 15 cm thick sandy gravel				
		layer under the regulated bed. Payment per m ³ of spread				
		gravel.	m ³	2,046.00		
06.02.02.07.	11.7.2.2.	Filling of bank slopes prior to making stone revetment				
		according to cross sections from the design. Slopes shall be				
		filled with excavated material along with spreading and				
		leveling in 30 cm thick layers and mechanical compaction				
		to the required compactness. Payment per m ³ of filled				
		material.	2	11 500 66		
			m ³	11,599.66		
		NOTE: Use excavated earth to fill ground and backfill the				
06.02.02.08.	3.4.1.5.4.	old river bed. Protection of slope section from the end point of stone				
00.02.02.08.	5.4.1.5.4.	revetment to the existing ground by topsoiling and				
		grassing. Measurement per m ² of topsoiled and grassed				
		area.	m²	3,916.36		
06.02.02.09.	11.7.1.7.	All material remained from excavation not used for filling		5,710.50		
001021021091	111/11/1	shall be transported to the stockpiling area specified by the				
		Engineer. Price includes loading, transport, unloading and				
		rough spreading of material. Payment per m ³ of transported				
		material.				
			m ³	29,004.05		
				TOTAL E	ARTH WORKS:	
06.02.03.		STONE WORKS				
06.02.03.01.	11.7.3.4.	Formation of slope bases and slopes of regulated river bed				
		section by using d=30 cm hammer-dressed stone embedded				
		in 1:3 cement mortar. For formation of slope bases				
		(2.00x1.00 m) and river bed slopes use only high-quality				
		limestone so that front side edges are parallel. Joints shall				
		be filled with 1:2 cement mortar. Payment per m ³ of				
		placed stone.				
			m ³	5,950.39		
06.02.03.02.	11.7.3.5.	Construction of supporting structures of d=30 cm stone				
		embedded in cement mortar according to the enclosed				
		design drawings. Payment per m ³ of placed stone.				
			m ³	410.95		
				TOTAL S	TONE WORKS:	

06.02. SUMMARY - REGULATION OF THE JUZNA MORAVA RIVER AT KM 874+266.12	
06.02.01. PRELIMINARY WORKS	
06.02.02. EARTH WORKS	
06.02.03. STONE WORKS	
TOTAL REGULATION OF THE JUZNA MORAVA RIVER AT KM 874+266.12 (06.02.):	

06.03. Regulation of a tributary of the Juzna Morava River (874+266.12) at km 0+570.00

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
06.03.01.		PRELIMINARY WORKS				
06.03.01.01.	2.4.	For river bed regulation: clear ground from brushwood, cut				
		trees up to 10 cm thick and uproot stumps and transport				
		them to dump area specified by the Investor and/or the				
		Engineer. The price includes loading into vehicles,				
		transport to distance of 5 km, unloading and leveling of				
		dump area. Prior to commencement of works, the				
		Contractor in cooperation with the Engineer shall measure				
		quantities and make record into the book. Payment per m ²				
		of cleared area.				
			m ²	814.00		
06.03.01.02.	2.2.	Geodetic surveying. Recovery of apex and traverse in				
		length of river regulated section prior to start of works.				
			m'	74.00		
			TOTA	L PRELIMIN	NARY WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
06.03.02.		EARTH WORKS				
06.03.02.01.	3.1.	Stripping topsoil to depth of 25 cm with clearing weeds and other plants. Topsoil shall be stockpiled at distance up to 5 km. Payment per m ³ of transported material.	m ³	63.15		
06.03.02.02.	11.7.1.	For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table).				
		a) Work in naturally moist earth (70 %)	m³	166.72		
		b) Work in wet earth (30%)	m³	71.45		
06.03.02.03.	11.7.1.	For construction of supporting structure: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table).				
		a) Work in naturally moist earth (70 %)	m³	17.94		
06.03.02.04.	11.7.1.4.	b) Work in wet earth (30%) Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m ³ of excavated earth.	m ³	7.69		
			m ³	6.41		
06.03.02.05.	11.7.1.4.	Additional excavation by hand including fine and rough leveling of bed. After mechanical excavation bed bottom and slopes shall be additionally excavated by hand. Excavated material shall be transported to the stockpiling area or used for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. Price includes any dewatering operation during works. Measurement per m ³ .				
		a) Work in naturally moist earth (70 %)	m³	41.68		
		b) Work in wet earth (30%)	m³	17.86		
06.03.02.06.	11.7.3.2.	Procurement and spreading of 15 cm thick sandy gravel layer under the regulated bed. Payment per m ³ of spread	m³	115.00		
06.03.02.07.	11.7.2.2.	gravel. Filling of bank slopes prior to making stone revetment according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material.		279.40		
		NOTE: Use excavated earth to fill ground and backfill the old river bed.				

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
06.03.02.08.	3.4.1.5.4.	Protection of slope section from the end point of stone				
		revetment to the existing ground by topsoiling and				
		grassing. Measurement per m ² of topsoiled and grassed				
		area.	m ²	225.31		
06.03.02.09.	11.7.1.7.	All material remained from excavation not used for filling				
		shall be transported to the stockpiling area specified by the				
		Engineer. Price includes loading, transport, unloading and				
		rough spreading of material. Payment per m ³ of transported				
		material.	m³	50.25		
			m	50.35		
				TOTAL E	ARTH WORKS:	
06.03.03.		STONE WORKS				
06.03.03.01.	11.7.3.4.	Lining of regulated river bed section by using d=30 cm				
		hammer-dressed stone embedded in 1:3 cement mortar. For				
		formation of river bed use only high-quality limestone so				
		that front side edges are parallel. Joints shall be filled with				
		1 : 2 cement mortar. Payment per m ³ of placed stone.	m ³	234.93		
06.03.03.02.	11.7.3.5.	Construction of supporting structures of d=30 cm stone	111	254.75		
00.05.05.02.	11.7.5.5.	embedded in cement mortar according to the enclosed				
		design drawings. Payment per m ³ of placed stone.				
		design drawingsi i aynioni per in or praeca stone.	m ³	44.08		
06.03.03.03	11.7.3.3.	Rip-rap over the existing river bed, upstream (l=5.0+5.0 m)				
		from the regulated bed. Payment per m ³ of placed stone.				
			m ³	13.00		
				TOTAL S	TONE WORKS:	
OC O2 STIMMAT	DV DECU	I ATION OF A TRIDUTARY OF THE HIZNA MODAY		ED (074.3()	(12) =4 lans 0 : 570	00
		LATION OF A TRIBUTARY OF THE JUZNA MORAV	AKIV	er (8/4+200	0.1 <i>2)</i> at KM 0+570.	00
		ARY WORKS				
06.03.02.	EARTH W	ORKS				
06.03.03.	STONE WO	ORKS				

TOTAL REGULATION OF A TRIBUTARY OF THE JUZNA MORAVA RIVER (874+266.12) at km 0+570.00 (06.03.):

06.04. Regulation of the Juzna Morava River at km 875+434.24

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
06.04.01.		PRELIMINARY WORKS				
06.04.01.01.	2.4.	For river bed regulation: clear ground from brushwood, cut trees up to 10 cm thick and uproot stumps and transport them to dump area specified by the Investor and/or the Engineer. The price includes loading into vehicles, transport to distance of 5 km, unloading and leveling of dump area. Prior to commencement of works, the Contractor in cooperation with the Engineer shall measure quantities and make record into the book. Payment per m ² of cleared area.				
			m²	23,940.00		
06.04.01.02.	2.2.	Geodetic surveying. Recovery of apex and traverse in length of river regulated section prior to start of works.	m'	570.00		
			ТОТА	L PRELIMI	NARY WORKS:	
06.04.02.		EARTH WORKS				
06.04.02.01.	3.1.	Stripping topsoil to depth of 25 cm with clearing weeds and other plants. Topsoil shall be stockpiled at distance up to 5 km. Payment per m ³ of transported material.	m³	839.27		
06.04.02.02.	11.7.1.	For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table).	m ³	15,702.98		
		b) Work in wet earth (30%)	m ³	6,729.85		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
06.04.02.03.	11.7.1.	For construction of supporting structure: mechanical				
		excavation in dry and moist earth of II and III category by				
		dredgers or other suitable machines with direct loading into				
		vehicles. Measurement includes excavation, loading,				
		transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering				
		operations during works. Excavation shall be performed to				
		accuracy of 10 cm in relation to designed levels.				
		Measurement will be made per cross sections surveyed				
		before and after excavation, transport included (excavation				
		table).				
		a) Work in naturally moist earth (70 %)	m ³	123.48		
		b) Work in wet earth (30%)	m ³	52.92		
06.04.02.04.	11.7.1.4.	Hand excavation in earth of II and III category for	111	52.72		
		supporting structures. Material shall be transported to				
		stockpiling area specified by the Engineer. Measurement				
		includes any dewatering operation during works. Payment				
06.04.02.05	11714	per m ³ of excavated earth.	m ³	242.20		
06.04.02.05.	11.7.1.4.	Additional excavation by hand including fine and rough leveling of bed. After mechanical excavation bed bottom				
		and slopes shall be additionally excavated by hand.				
		Excavated material shall be transported to the stockpiling				
		area or used for embankment construction. Leveling shall				
		be performed to accuracy of 2 cm in relation to designed				
		levels. Price includes any dewatering operation during				
		works. Measurement per m ³ .				
		a) Work in naturally moist earth (70 %)	m ³	1,811.02		
		b) Work in wet earth (30%)	m ³	776.15		
06.04.02.06.	11.7.3.2.	Procurement and spreading of 15 cm thick sandy gravel				
		layer under the regulated bed. Payment per m ³ of spread gravel.	m ³	1,835.32		
06.04.02.07.	11.7.2.2.	Filling of bank slopes prior to making stone revetment		1,055.52		
		according to cross sections from the design. Slopes shall be				
		filled with excavated material along with spreading and				
		leveling in 30 cm thick layers and mechanical compaction				
		to the required compactness. Payment per m ³ of filled				
		material.	m ³	15,051.03		
		NOTE: Use excavated earth to fill ground and backfill the				
		old river bed.				
06.04.02.08.	3.4.1.5.4.	Protection of slope section from the end point of stone				
		revetment to the existing ground by topsoiling and grassing. Measurement per m ² of topsoiled and grassed				
		area.	m²	4,710.11		
06.04.02.09.	11.7.1.7.	All material remained from excavation not used for filling				
		shall be transported to the stockpiling area specified by the				
		Engineer. Price includes loading, transport, unloading and				
		rough spreading of material. Payment per m ³ of transported				
		material.	m³	10,387.58		
	1	1			ARTH WORKS:	
06.04.03.		STONE WORKS		IUIALE	INTI WORRS:	
06.04.03. 06.04.03.01.	11.7.3.4.	Formation of slope bases and slopes of regulated river bed				
		section by using d=30 cm hammer-dressed stone embedded				
		in 1:3 cement mortar. For formation of slope bases				
		(2.00x1.00 m) and river bed slopes use only high-quality				
		limestone so that front side edges are parallel. Joints shall				
		be filled with 1 : 2 cement mortar. Payment per m ³ of				
		placed stone.				
			m³	5,372.65		
06.04.03.02.	11.7.3.5.	Construction of supporting structures of d=30 cm stone				
		embedded in cement mortar according to the enclosed				
		design drawings. Payment per m ³ of placed stone.		252 55		
	l	Į	m³	352.55		
				TOTAL S	TONE WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
06.04.04.		INFLOW REGULATION				
06.04.04.01	06.04.04.01	Regulation of stream inflow into the Juzna Morava River.				
		Payment per m' of regulated section.	m	50.00		
			TOTA	L INFLOW	REGULATION:	

06.04.SUMMARY - REGULATION OF THE JUZNA MORAVA RIVER AT KM 875+434.24	
06.04.01. PRELIMINARY WORKS	
06.04.02. EARTH WORKS	
06.04.03. STONE WORKS	
06.04.04. TRIBUTARY INFLOW REGULATION	
TOTAL REGULATION OF THE JUZNA MORAVA RIVER AT KM 875+434.24 (06.04.):	

06.05. Regulation of the Palojska River at km 877+386.56

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
06.05.01.	1.5.	PRELIMINARY WORKS	Umt	Quantity	Unit Flice	Total
06.05.01.01.	2.4.	For river bed regulation: clear ground from brushwood, cut trees up to 10 cm thick and uproot stumps and transport				
		them to dump area specified by the Investor and/or the				
		Engineer. The price includes loading into vehicles,				
		transport to distance of 5 km, unloading and leveling of dump area. Prior to commencement of works, the				
		Contractor in cooperation with the Engineer shall measure				
		quantities and make record into the book. Payment per m ²				
		of cleared area.				
			m²	810.00		
06.05.01.02.	2.2.	Geodetic surveying. Recovery of apex and traverse in				
		length of river regulation prior to starting of works.	m'	60.00		
					NARY WORKS:	
06.05.02.		EARTH WORKS				
06.05.02.02.	11.7.1.	For new river bed regulation: mechanical excavation in dry				
		and moist earth of II and III category by dredgers or other				
		suitable machines with direct loading into vehicles.				
		Measurement includes excavation, loading, transport,				
		unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during				
		works. Excavation shall be performed to accuracy of 10 cm				
		in relation to designed levels. Measurement will be made				
		per cross sections surveyed before and after excavation,				
		transport included (excavation table).				
		a) Work in naturally moist earth (70 %)	m ³	339.18		
		b) Work in wet earth (30%)	m³	145.36		
06.05.02.03.	11.7.1.	For construction of supporting structure: mechanical				
		excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into				
		vehicles. Measurement includes excavation, loading,				
		transport, unloading and leveling of stockpiling area after				
		completion of works. Price includes any dewatering				
		operations during works. Excavation shall be performed to				
		accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed				
		before and after excavation, transport included (excavation				
		table).				
		a) Work in naturally moist earth (70 %)	m³	41.45		
			2			
		b) Work in wet earth (30%)	m ³	17.76		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
06.05.02.04.	11.7.1.4.	Hand excavation in earth of II and III category for				
		supporting structures. Material shall be transported to				
		stockpiling area specified by the Engineer. Measurement				
		includes any dewatering operation during works. Payment per m ³ of excavated earth.				
		per m ² of excavated earth.		14.90		
06.05.02.05.	11.7.1.4.	Additional excavation by hand including fine and rough	m ³	14.80		
00.05.02.05.	11./.1.4.	leveling of bed. After mechanical excavation bed bottom				
		and slopes shall be additionally excavated by hand.				
		Excavated material shall be transported to the stockpiling				
		area or used for embankment construction. Leveling shall				
		be performed to accuracy of 2 cm in relation to designed				
		levels. Price includes any dewatering operation during				
		works. Measurement per m ³ .				
		a) Work in naturally moist earth (70 %)	m³	84.79		
		b) Work in wet earth (30%)	m³	36.34		
06.05.02.06.	11.7.3.2.	Procurement and spreading of 15 cm thick sandy gravel				
		layer under the regulated bed. Payment per m ³ of spread				
06.05.02.07.	11.7.2.2.	gravel. Filling of bank slopes prior to making stone revetment	m ³	60.89		
06.05.02.07.	11.7.2.2.	according to cross sections from the design. Slopes shall be				
		filled with excavated material along with spreading and				
		leveling in 30 cm thick layers and mechanical compaction				
		to the required compactness. Payment per m ³ of filled				
		material.				
			m ³	37.23		
		NOTE: Use excavated earth to fill ground and backfill the				
06.05.02.08.	3.4.1.5.4.	old river bed. Protection of slope section from the end point of stone				
00.05.02.08.	5.4.1.5.4.	revetment to the existing ground by topsoiling and				
		grassing. Measurement per m ² of topsoiled and grassed				
		area.	m²	227.55		
06.05.02.09.	11.7.1.7.	All material remained from excavation not used for filling				
		shall be transported to the stockpiling area specified by the				
		Engineer. Price includes loading, transport, unloading and				
		rough spreading of material. Payment per m ³ of transported				
		material.	2	640.45		
			m³	642.45	ADTH WODKS.	
06.05.03.		STONE WORKS		IUIALE	ARTH WORKS:	
06.05.03.01.	11.7.3.4.	Formation of regulated river bed section by using d=30 cm				
20.00.00.01.	11	hammer-dressed stone embedded in 1:3 cement mortar. For				
		formation of river bed use only high-quality limestone so				
		that front side edges are parallel. Joints shall be filled with				
		1 : 2 cement mortar. Payment per m ³ of placed stone.				
06.05.02.02	11 7 2 5		m ³	205.56		
06.05.03.02.	11.7.3.5.	Construction of supporting structures of d=30 cm stone				
		embedded in cement mortar according to the enclosed design drawings. Payment per m ³ of placed stone.				
		design drawings. Fayment per IIP of placed stolle.	m ³	55.24		
06.05.03.03	11.7.3.3.	Rip-rap over the existing river bed, upstream (l=5.0+5.0 m)				
		from the regulated bed. Payment per m ³ of placed stone.				
			m ³	20.00		
				TOTAL S	TONE WORKS:	

6.05.SUMMARY - REGULATION OF THE PALOJSKA RIVER AT KM 877+386.56						
06.05.01. PRELIMINARY WORKS						
06.05.02. EARTH WORKS						
06.05.03. STONE WORKS						
TOTAL REGULATION OF THE PALOJSKA RIVER AT KM 877+386.56 (06.05.):						

06.06. Regulation of the Juzna Morava River at km 877+504.05 - km 878+127.00

06.06.01. 2.4. PRELIMINARY WORKS 06.06.01.01. 2.4. For river bed regulation: clear ground from brushwood, cut trees up to 10 cm thick and uproot stumps and transport them to dump area specified by the Investor and/or the Engineer. The price includes loading into vehicles, transport to distance of 5 km, unloading and leveling of dump area. Prior to commencement of works, the Contractor in cooperation with the Engineer shall measure quantities and make record into the book. Payment per m ² of cleared area. m ² 26,334.00 06.06.01.02. 2.2. Geodetic surveying. Recovery of apex and traverse in length of river regulated section prior to start of works. m' 627.00 06.06.02.01. 3.1. EARTH WORKS 06.06.02.01. 3.1. EARTH WORKS			na Morava River at km 877+504.05 - km 878+127.00	TT •-	0	**	
06.06.01.01. 2.4. For river bed regulation: dear ground from brudwood, our mease put to loc m hick and proor turns part transport in the mapping them to dump area specified by the Investor and/or the Engineer. The prior includes loading into vehicles. Transport to distance of 5 km, unloading and leveling of transport and make record into the book. Payment per m ² of claared area. m ² 26,334.00 06.06.01.02. 2.2. Genderic surveying. Recovery of apex and traverse in length of river regulated section prior to start of works. m ² 26,334.00 06.06.02.01. 3.1. Stripping topsoil to depth of 25 cm with clearing weeds and other plants. Topsoil shall be stockpilled a distance up to 5 km. Payment per at 0 transported material. m ³ 1250.09 06.06.02.01. 3.1. For new river bed regulation: mechanical exeavation in dry and moist earth of 11 and III category by dedges or other state the state state weeds and mole relative state of the chading into vehicles. Measurement includes any devatering operations during weeks. Sections alwayed beform and are completion of works. Price includes any devatering operations during weeks. Execution shall be performed to a carcuitor, of 10 cn in relation to designed levels. Measurement will be made records exclamational to design of the relating in the relating in the relating in the relating in the design of the relating in the relating in the relating in the relation in the design of the relating in the relation in the state of 10 cn in relation to designed levels. Measurement will be made records exclamation and the performed to a carcuit of 10 cn in relation to designed levels. Measurement will be made records exclamation and the relatis relating in tr	Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
06.06.02.02. 11.7.1.7 EXTH WORKS 06.06.02.03. 11.7.1.7 EXTH WORKS 06.06.02.04. 11.7.1.8 EXTH WORKS 06.06.02.05. 11.7.1.8 EXTH WORKS 06.06.02.04. 11.7.1.8 EXTH WORKS 06.06.02.05. 11.7.1.1 For new rever bed regulation mechanical excervation in dry works. Image of the strange of a transport on other straight of the strange of a transport of the strange of the strang		.		1			
06.06.02.01. 2.2. Exactly and the exact of the state	06.06.01.01.	2.4.					
06.06.01.02. 22. Cloadedic surveying. Recovery of apex and traverse in length of vice regulated section prior to start of 9 works, the contract of works, the contract of works, the contract of works, the contract of works and the section prior to start of works. m² 26,334.00 06.06.01.02. 22. Cloadedic surveying. Recovery of apex and traverse in length of river regulated section prior to start of works. m² 627.00 06.06.02.01. 3.1. Stripping topositio to depth of 25 cm with clearing weeds and other plans. Topositi alla be stockpile and talsance up to 5 km. Payment per m² of transported material. m² 1.256.09 06.06.02.02. 11.7.1. For new river bed regulation: mechanical exeavation in dry and monits ent of II and III category by dreaders or other suitable machines with direct loading into vehicles. Measurement the lengt seventions during every before and after compations during every by dreaders or other suitable machines with direct loading into vehicles. Measurement with B emaders and during area after completion of works. Price includes any dreadering operations during every sections surveyed before and after exeavation. Here we are a surveyed before and after exeavation. Transport includes exeavation table). m² 30.500.10 06.06.02.03. 11.7.1. For construction of supporting structure: mechanical exeavation framework in the designed levels. Measurement with B made performed to accuracy of 10 cm in relation to designed levels. Measurement with B made performed to accuracy of 10 cm in relation to designed levels. Measurement with B made performed to accuracy of 10 cm in relation to designed levels. Measurement performed to accuracy of 10 cm in relation to desig							
06.06.01.02. 2.2. Geodetic surveying: Recovery of apex and travense in length of river regulated section prior to start of works. The Contractor in cooperation with the Engineer shall measure quantifies and make record into the book. Payment per m ² n ² 26,334.00 06.06.01.02. 2.2. Geodetic surveying: Recovery of apex and travense in length of river regulated section prior to start of works. n ² 26,334.00 06.06.02.01. 3.1. Stripping topool to depth of 25 cm with clearing weeds and other plants. Topool shall be stockpiled at distance up to 5 km. Payment per u ³ of ransported material. n ³ 1.256.09 06.06.02.02. 11.7.1. For new river bed regulation: mechanical ecoaration in dry and moist earth of II and III category by dredgers or other suitable mechanical ecoaration during works. Exercation shall be performed to accuracy of 10 cm in relation to designed Levekawation, loading, transport, umballing area after completion during works. Exercation shall be performed to accuracy of 10 cm in relation to designed Levekawation, during area after constraints during works. Exercation shall be performed to accuracy of 10 cm in relation to designed Levekawation, loading, transport, umballing area after constraints during works. Exercation shall be performed to accuracy of 10 cm in relation to designed Levekawation, loading area after constraints during works. Exercation shall be performed to accuracy of 10 cm in relation to designed Levek. Measurement will be made performed to accuracy of 10 cm in relation to designed Levek. Measurement will be made performed to accuracy of 10 cm in relation in dry and moising area after construction of supporting structure: mechanical intervery by dredgers or other suitable machings with direct loading into wh							
06.06.01.02. 2.2. Cendencion in cooperation with the Engineers with the Engineers in the second prior to start of works, the construction of cleared area. m² 26.334,00 06.06.01.02. 2.2. Cendetic surveying. Recovery of apex and traverse in length of river regulated section prior to start of works. m² 26.334,00 TOTAL PRELIMINARY WORKS: O6.06.02.01. 3.1. Stripping topool to depth of 25 cm with clearing weeks mit of the appoint of 21 cm with clearing weeks mit of the appoint point of the strategillation: mechanical excavation in dry and noist earth of 1 and III category by dredgers or other statistic mit of works. Price includes any devatering operations during werks. Exeavation shall be performed to accuracy of 10 cm with clearing weeks with direct loading into works. 06.06.02.02. 11.7.1. For new river bod regulation: mechanical excavation in dry and moist earth of I and III category by dredgers or other statistic mechanical mechanical with the made per cross sections surveged before and after eccavation. m² 12.56.09 06.06.02.02. 11.7.1. For new river bed regulation: mechanical excavation in dry and moist earth of I and III category by dredgers or other statistic mechanical mechanics with direct cloading into works. m² 1.256.09 0.00.00.02.03. 11.7.1. For construction of supporting structure: mechanical excavation, hadring transport, unloading and leveling of stockpiling area after completion of works. Price includes any devatering operations during works. Excavation shall be performed to accuracy of 1			Engineer. The price includes loading into vehicles,				
06.06.01.02. 2.2. Contractor in cooperation with the Engineer shall measure quantifies and make record into the book. Payment per m ³ m ³ 26.334.00 06.06.01.02. 2.2. Gedetic surveying. Recovery of apex and travene in length of river regulated section prior to start of works. m ³ 26.334.00 Of Modelies Of Modelies Contractor in cooperation with clearing weeds and other plans. Toposil shall be stockpiled at distance up to 5 km. Payment per m ³ of the plans. Toposil shall be stockpiled at distance up to 5 km. Payment per m ³ of the plans. Toposil shall be stockpiled at distance up to 5 km. Payment per m ³ of the topology by divelgers or other started meatrical. 06.06.02.02. 11.7.1. For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by divelgers or other started meatries. m ³ 1,256.09 of works. Price includes excavation helding introspont. undotion stephing the topology by divelgers or other started in the distage introspont. and moist earth of II and III category by divelgers or other started in the distage introspont. and work in naturally moist carth (70 %) m ³ 30,560.10 b) Work in weet earth (30%) m ³ 30,560.10 b) Work in weet earth (30%) m ³ 30,560.10 b) Work in naturally moist earth (70 %) m ³ <			transport to distance of 5 km, unloading and leveling of				
06.06.01.02. 2.2. Gendetic surveying, Recovery of apex and traverse in length of river regulated section prior to start of works. m ³ 26,334.00 OTTL PRELIMINARY WORKS: TOTL PRELIMINARY WORKS: O Control (1) Stripping topsal to depth of 25 cm with clearing weeds in more plants. Topsal shall be stricpling topsal to depth of 27 cm with clearing weeds in more plants. Topsal shall be stricpling to 5 km. Payment per m ³ of transported material. m ³ 1,256.09 06.06.02.01. 11.7.1. For new river bed regulation: mechanical excavation in dry and moist earth of 11 and III category by dredgers or other satiable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpring area after completion of works. Price includes any dewatering operations during works. Excavation shall be stripple rescurated of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, loading, introport in relation to designed levels. Measurement includes excavation, loading, introport in stransport included (excavation table). 06.06.02.03. 11.7.1.1 For construction of supporting structure: mechanical excavation in dry and reveling of stockpring are a after completion of supporting structure: mechanical excavation index of market and table structure in the stransport included (excavation table). 06.06.02.03. 11.7.1. For construction of supporting structure: mechanical excavation index operations during works. Excavation shall be performed to accuracy of 10 cm in relation 10 designed l			dump area. Prior to commencement of works, the				
06.06.01.02. 2.2. Gendetic surveying, Recovery of apex and traverse in length of river regulated section prior to start of works. m ³ 26,334.00 OTTL PRELIMINARY WORKS: TOTL PRELIMINARY WORKS: O Control (1) Stripping topsal to depth of 25 cm with clearing weeds in more plants. Topsal shall be stricpling topsal to depth of 27 cm with clearing weeds in more plants. Topsal shall be stricpling to 5 km. Payment per m ³ of transported material. m ³ 1,256.09 06.06.02.01. 11.7.1. For new river bed regulation: mechanical excavation in dry and moist earth of 11 and III category by dredgers or other satiable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpring area after completion of works. Price includes any dewatering operations during works. Excavation shall be stripple rescurated of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, loading, introport in relation to designed levels. Measurement includes excavation, loading, introport in stransport included (excavation table). 06.06.02.03. 11.7.1.1 For construction of supporting structure: mechanical excavation in dry and reveling of stockpring are a after completion of supporting structure: mechanical excavation index of market and table structure in the stransport included (excavation table). 06.06.02.03. 11.7.1. For construction of supporting structure: mechanical excavation index operations during works. Excavation shall be performed to accuracy of 10 cm in relation 10 designed l			Contractor in cooperation with the Engineer shall measure				
06.06.01.02. 2.2. Geodetic surveying. Recovery of apex and traverse in length of river regulated section prior to start of works. m^2 26,334.00 06.06.02.01. 3.1. EARTH WORKS m^2 627.00 06.06.02.01. 3.1. Stripping topsoil to depth of 25 cm with clearing weeds and other plants. Topoin shall be stockpiled at distance up to 5 km. Payment per m ³ of ransported material. m^2 1.256.09 06.06.02.01. 11.71.1 For new river bed regulation: mechanical execution, transport in duration in dry and stearth of II and III category by dredgers or other suitable machines with direct loading into vehicles. m^2 1.256.09 06.06.02.02. 11.71.1 For new river bed regulation: mechanical executation, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during vehicles. m^2 1.256.09 06.06.02.03. 11.71.1 For construction of stockpiling area after completion of works. Excervation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made preverses sections surveyed before and after excavation, transport includes of exavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Excavation and motist earth (70 %) m^3 13.5097.18 06.06.02.03. 11.71.1 For construction of supporting structure: mechanical excavation hand the exeavation in dry and motist earth (70 %)							
06:06:01:02. 2.2. Geodetic surveying. Recovery of apex and traverse in length of river regulated section prior to start of works. nt 627:00 IOTAL PRELIMINARY WORKS: O6:06:02:01. 3.1. Stripping topoil to depth of 25 cm with clearing weeds and other plants. Topoil shall be stockpiled at distance up to 5 km. Payment per m ³ of transported material. mt 1,256:09 06:06:02:02. 11.7.1. For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. mt 1,256:09 06:06:02:02. 11.7.1. For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with the cross area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, and there to adaling into vehicles. 06:06:02:03. 11.7.1. For construction of supporting structure: mechanical excavation had by and moist earth of TI and III category by dredgers or other suitable machines with direct bading into vehicles. Measurement will be made per cross sections surveyed before and after excavation, hading, transport, unloading and leveling of stockpiling area after completion of works. Price includes excavation, hading, transport, unloading and leveling divelockpiling area after com							
06:06:01:02. 2.2. Geodetic surveying. Recovery of apex and traverse in length of river regulated section prior to start of works. nt 627:00 IOTAL PRELIMINARY WORKS: O6:06:02:01. 3.1. Stripping topoil to depth of 25 cm with clearing weeds and other plants. Topoil shall be stockpiled at distance up to 5 km. Payment per m ³ of transported material. mt 1,256:09 06:06:02:02. 11.7.1. For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. mt 1,256:09 06:06:02:02. 11.7.1. For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with the cross area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, and there to adaling into vehicles. 06:06:02:03. 11.7.1. For construction of supporting structure: mechanical excavation had by and moist earth of TI and III category by dredgers or other suitable machines with direct bading into vehicles. Measurement will be made per cross sections surveyed before and after excavation, hading, transport, unloading and leveling of stockpiling area after completion of works. Price includes excavation, hading, transport, unloading and leveling divelockpiling area after com							
06:06:01:02. 2.2. Geodetic surveying. Recovery of apex and traverse in length of river regulated section prior to start of works. nt 627:00 IOTAL PRELIMINARY WORKS: O6:06:02:01. 3.1. Stripping topoil to depth of 25 cm with clearing weeds and other plants. Topoil shall be stockpiled at distance up to 5 km. Payment per m ³ of transported material. mt 1,256:09 06:06:02:02. 11.7.1. For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. mt 1,256:09 06:06:02:02. 11.7.1. For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with the cross area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, and there to adaling into vehicles. 06:06:02:03. 11.7.1. For construction of supporting structure: mechanical excavation had by and moist earth of TI and III category by dredgers or other suitable machines with direct bading into vehicles. Measurement will be made per cross sections surveyed before and after excavation, hading, transport, unloading and leveling of stockpiling area after completion of works. Price includes excavation, hading, transport, unloading and leveling divelockpiling area after com				m²	26.334.00		
length of river regulated section prior to start of works. m' 627.00 TOTAL PRELIMINARY WORKS: O6.06.02.01. 3.1. Stringing toposition of optin of 25 cm with clearing weeds and other plants. Topool shall be stockpiled at distance up to 5 km. Payment per m ² of transported material. m ³ 1.256.09 06.06.02.02. 11.7.1. For new river bed regulation: mechanical excavation in dry and moise starth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, funding, transport, unloading and leveling of stockpiling area after completion of works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyol before and after excavation, funding into vehicles. 06.06.02.03. 11.7.1. For new rive earth (30%) m ³ 30.560.10 06.06.02.03. 11.7.1. For construction of supporting structure: mechanical excavation, funding into vehicles. Measurement will be made recompletion of works. Excavation shall be performed to accuracy of 10 cm in relation to designed tevels. Measurement includes excavation, loading, into vehicles. Measurement includes excavation to after excavation after excavation to after excavation to after excavation to after excavation to after excavation, transport included (excavation in adult and the excavation in a fter completion of works. Fice includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement to	06.06.01.02.	2.2.	Geodetic surveying. Recovery of apex and traverse in				
TOTAL PRELIMINARY WORKS: 06.06.02.01. 3.1. Stripping topsoil to depth of 25 cm with clearing weeds and other plants. Topsoil shall be stockpiled at distance up to 5 km. Payment per m ³ of transported material. m ³ 1,256.09 06.06.02.02. 11.7.11. For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.03. 11.7.1. For own with weight (30%) m ³ 30.560.10 10. b) Work in naturally moist carth (70 %) m ³ 30.560.10 11.7.1. excavation in dy and leveling of stockpiling area per cross excions surveyed before and after excavation, transport included (excavation table). m ³ 30.560.10 06.06.02.03. 11.7.1. For construction of supporting structure: mechanical excavation in dy and leveling of stockpiling area after completion of works. Frice includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). m ³ 356.01 06.06.02.04.							
06.06.02.01. 3.1. EARTH WORKS 06.06.02.01. 3.1. Stripping topsoil to depth of 25 cm with clearing weeds and other plants. Topsoil shall be stockpiled at distance up to 5 km. Payment per m³ of transported material. m³ 1.256.09 06.06.02.02. 11.7.1. For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation table performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.03. 11.7.1. For construction of supporting structure: mechanical excavation in dry and moist earth 070 %) m³ 30,560.10 b) Work in naturally moist earth of 11 and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement nickubes excavation, bading, transport, unloading and leveling of stockpiling area after completion dwrks. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross excitons surveyed before and after excavation, transport included (excavation uble). 06.06.02.04. 11.7.1.4. Nork in naturally moist earth (70 %) m³ 356.01 11 06.06.02.04. 11.7.1.4. <				m'	627.00		
06.06.02.01. 3.1. Stripping topsoil to depth of 25 cm with clearing weeds and other plants. Topsoil shall be stockpiled at distance up to 5 km. Payment per m ³ of transported material. m ³ 1,256.09 06.06.02.02. 11.7.1. For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with dirret loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). m ³ 30,560.10 06.06.02.03. 11.7.1. For construction of supporting structure: mechanical excavation in dry and moist earth (70 %) m ³ 30,560.10 b) Work in vet earth (30%) m ³ 13,097.18 11.7.1. For construction of supporting structure: mechanical excavation, hoding, transport, unloading and heyeling of stockpiling area after completion of works. Price includes excavation, hoding, transport, unloading and heyeling of stockpiling area after completion of works. Price includes excavation, hoding, transport, unloading and there excavation, transport included (excavation table). 06.06.02.04. 11.7.1.4. Mork in naturally moist earth (70 %) m ³ 356.01 152.55 160.00 152.55 160.00 152.55 161.00				тота	L PRELIMI	NARY WORKS:	
06.06.02.01. 3.1. Stripping topsoil to depth of 25 cm with clearing weeds and other plants. Topsoil shall be stockpiled at distance up to 5 km. Payment per m ³ of transported material. m ³ 1,256.09 06.06.02.02. 11.7.1. For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with dirret loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). m ³ 30,560.10 06.06.02.03. 11.7.1. For construction of supporting structure: mechanical excavation in dry and moist earth (70 %) m ³ 30,560.10 b) Work in vet earth (30%) m ³ 13,097.18 11.7.1. For construction of supporting structure: mechanical excavation, hoding, transport, unloading and heyeling of stockpiling area after completion of works. Price includes excavation, hoding, transport, unloading and heyeling of stockpiling area after completion of works. Price includes excavation, hoding, transport, unloading and there excavation, transport included (excavation table). 06.06.02.04. 11.7.1.4. Mork in naturally moist earth (70 %) m ³ 356.01 152.55 160.00 152.55 160.00 152.55 161.00	06.06.02			-			
06.06.02.02. 11.7.1. and other plants. Topsoil shall be stockpiled at distance up to 5 km. Payment per m ³ of transported material. m ³ 1.256.09 06.06.02.02. 11.7.1. For new river bed regulation: mechanical excavation in dry: and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Escavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). m ³ 30.560.10 06.06.02.03. 11.7.1. For construction of supporting structure: mechanical excavation, hor suitable machines with direct loading into vehicles. Measurement will be made per cross sections surveyed before and after excavation, loading, transport. m ³ 30.560.10 06.06.02.03. 11.7.1. For construction of supporting structure: mechanical excavation, hor suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport. m ³ 30.560.10 06.06.02.04. 11.7.1. For construction of supporting structure: mechanical excavation in dry and moist earth of 11 and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport. m ³ 30.560.10 06.06.02.04. 11.7.1. For construction of stockpiling area after completion of works. Preic includes excavation in adding transport. <t< td=""><td>06.06.02.01.</td><td>3.1.</td><td></td><td></td><td></td><td></td><td></td></t<>	06.06.02.01.	3.1.					
06.06.02.02. 11.7.1. for skm. Payment per m ³ of transported material. m ³ 1.256.09 06.06.02.02. 11.7.1. For new river bed regulation: mechanical excavation in dry and moist earth of I and III category by dredgers or other subtable machines with direct loading into vehicles. Measurement includes exavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.03. 11.7.1. 11.7.1. b) Work in naturally moist earth (70 %) m ³ 06.06.02.04. 11.7.1. 60.06.02.04. 11.7.1. 06.06.02.04. 11.7.1.4 11.7.1. Nork in naturally moist earth (70 %) 06.06.02.04. 11.7.1.4 11.7.1. 11.7.1.6 11.7.1. 11.7.1.7.1. 11.7.1. 11.7.1.6 11.7.1. 11.7.1.6 11.7.1. 11.7.1.7.1.7.1.7.1.7.1.7.1.7.1.7.1.7.1.							
06.06.02.02. 11.7.1. For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement includes any devatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.03. 11.7.1. Ever construction of supporting structure: mechanical excavation in dry and moist earth of 170 %) m³ 30,560.10 b) Work in naturally moist earth of 170 %) m³ 13,097.18 06.06.02.03. 11.7.1. Ever construction of supporting structure: mechanical excavation in dry and moist earth of 18 and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement includes excavation in the properties structure: mechanical excavation in table). 06.06.02.04. 11.7.1.4. a) Work in naturally moist earth (70 %) m³ 356.01 06.06.02.04. 11.7.1.4. by Work in naturally moist earth (70 %) m³ 356.01							
06.06.02.02. 11.7.1. For new river bed regulation: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.03. 11.7.1. a) Work in naturally moist earth (70 %) m³ 30.560.10 b) Work in wet earth (30%) m³ 13.097.18 of construction of supporting structure: mechanical exavation in dry and moist earth of II and III category by dredgers or dres suitable machines with direct loading into vehicles. Measurement will be response with direct loading into vehicles. Measurement will be explained and after excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.04. 11.7.1.4. 11.7.1.4. work in naturally moist earth (70 %) m³ 06.06.02.04. 11.7.1.4.				m³	1,256.09		
and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Image: State in the intervention of the intervention of works. Price includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). m³ 30,560.10 06.06.02.03. 11.7.1. b) Work in naturally moist earth (70 %) m³ 13,097.18 06.06.02.04. 11.7.1. b) Work in wet earth (30%) m³ 13,097.18 06.06.02.04. 11.7.1. b) Work in wet earth (10 %) m³ 13,097.18 06.06.02.04. 11.7.1. For construction of supporting structure: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation in dry works. Secavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation in earth of 11 and III category for supporting structures. Material shall be transported to stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shalto be performed to stockpiling area after comp	06.06.02.02.	11.7.1.	For new river bed regulation: mechanical excavation in dry	I			
96.06.02.03. 11.7.1.4 suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockylling area after completion of works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). m³ 30.560.10 a) Work in naturally moist earth (70 %) m³ 13.097.18 b) Work in wet earth (30%) m³ 13.097.18 ccavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockylling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. m³ 356.01 o6.06.02.04. 11.7.1.4 b) Work in wet earth (70 %) m³ 356.01 o6.06.02.04. 11.7.1.4 b) Work in vet earth (70 %) m³ 356.01 o6.06.02.04. 11.7.1.4 b) Work in wet earth (70 %) m³ 152.55 o6.06.02.04. 11.7.1.4 find excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m³ of excavated earth. m³ 152.55 <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>			-				
06.06.02.03. 11.7.1. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after oxavation shuring works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). m³ 30.560.10 a) Work in naturally moist earth (70 %) m³ 13.097.18 b) Work in wet earth (30%) m³ 13.097.18 c, c							
06.06.02.03. 11.7.1.4 unbading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). m ³ 30,560.10 a) Work in naturally moist earth (70 %) m ³ 30,560.10 b) Work in wet earth (30%) m ³ 13,097.18 off-ordegers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.04. 11.7.1.4 A) Work in naturally moist earth (70 %) m ³ 356.01 a) Work in naturally moist earth (70 %) m ³ 356.01 integer b) Work in use earth (30%) m ³ 356.01 integer b) Work in use earth (30%) m ³ 356.01 integer b) Work in the performed to accuracy of 10 cm in relation to designed levels. masurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). m ³ 356.01							
of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). m³ 30,560.10 a) Work in naturally moist earth (70 %) m³ 13,097.18 b) Work in wet earth (30%) m² 13,097.18 cascavation of vary and moist earth of II and III category by dredgers or other suitable machines with direct loading, transport, unloading and leveling of stockyling area after completion of works. Price includes any dewatering operations during works. Excavation, table) before and after excavation, transport included (excavation table). 06.06.02.04. 11.7.1.4 a) Work in naturally moist earth (70 %) m² 13,097.18 completion of works. Price includes any dewatering operations during works. Excavation, toading, and teveling of stockyling area after completion of works. Price includes any dewatering operations during works. Excavation, transport included (excavation table). 06.06.02.04. 11.7.1.4 a) Work in naturally moist earth (70 %) m² 356.01 b) Work in wet earth (30%) m² 152.55 contaction in carbin of II and III category for supporting structures. Material shall be transported to stockyling area specified by the Engineer. Measurement includes any dewatering operation in earth of II and III category for supporting structures. Material shall be transported to stockyling area specified by the Engineer. Measurement includes any dewatering operation during works. Payme							
06.06.02.03. 11.7.1.4 works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). m³ 30,560.10 06.06.02.03. 11.7.1.1 For construction of supporting structure: mechanical excavation in dry and moist earth (70 %) m³ 13,097.18 06.06.02.04. 11.7.1.4 For construction of supporting structure: mechanical excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). m³ 356.01 06.06.02.04. 11.7.1.4 Hand excavation in and III category for supporting structure: mechanical excavation in dry add moist earth (70 %) m³ 356.01 06.06.02.04. 11.7.1.4 Hand excavation, transport included (excavation table). m³ 152.55 06.06.02.04. 11.7.1.4. Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area apecified by the Engineer. Measurement includes any dewatering operation during works. Payment per m³ of excavated earth. m³ 152.55							
06.06.02.03. 11.7.1.4 in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). m³ 30,560.10 06.06.02.03. 11.7.1.4 a) Work in naturally moist earth (70 %) m³ 30,560.10 b) Work in vet earth (30%) m³ 13.097.18							
06.06.02.03. 11.7.1.1. per cross sections surveyed before and after excavation, transport included (excavation table). m³ 30,560.10 06.06.02.03. 11.7.1.1. For construction of supporting structure: mechanical excavation in dry and moist earth (70 %) m³ 13,097.18 06.06.02.03. 11.7.1.1. For construction of supporting structure: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.04. 11.7.1.4. a) Work in naturally moist earth (70 %) m³ 356.01 01.7.1.4. b) Work in wet earth (30%) m³ 152.55							
06.06.02.03. 11.7.1.1. transport included (excavation table). m³ 30,560.10 06.06.02.04. 11.7.1.1. For construction of supporting structure: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation slub be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.04. 11.7.1.4. 11.7.1.4. Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering per m³ of excavated earth.			-				
06.06.02.03. 11.7.1. a) Work in naturally moist earth (70 %) m³ 30,560.10 b) Work in wet earth (30%) m³ 13,097.18 construction of supporting structure: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Frice includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.04. 11.7.1.4. a) Work in naturally moist earth (70 %) m³ a) Work in naturally moist earth (70 %) m³ a) Work in the earth (30%) m³ b) Work in wet earth (30%) m³ construction in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m³ of excavated earth.							
06.06.02.03. 11.7.1. b) Work in wet earth (30%) m³ 13,097.18 11.7.1. For construction of supporting structure: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.04. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4.			transport included (excavation table).				
06.06.02.03. 11.7.1. b) Work in wet earth (30%) m³ 13,097.18 11.7.1. For construction of supporting structure: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.04. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4. 11.7.1.4.							
06.06.02.03. 11.7.1. b) Work in wet earth (30%) m³ 13,097.18 11.7.1. For construction of supporting structure: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.04. 11.7.1.4. 11.7.1.4. Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m³ of excavated earth.							
06.06.02.03. 11.7.1. b) Work in wet earth (30%) m³ 13,097.18 11.7.1. For construction of supporting structure: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.04. 11.7.1.4. 11.7.1.4. Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m³ of excavated earth.							
06.06.02.03. 11.7.1. For construction of supporting structure: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.04. 11.7.1.4. 11.7.1.4. Hork in naturally moist earth (70 %) m³ m³ 152.55 11.7.1.4. Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m³ of excavated earth.			a) Work in naturally moist earth (70 %)	m ³	30,560.10		
06.06.02.03. 11.7.1. For construction of supporting structure: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.04. 11.7.1.4. 11.7.1.4. Hork in naturally moist earth (70 %) m³ m³ 152.55 11.7.1.4. Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m³ of excavated earth.			b) Work in wat earth (2001)		12 007 19		
06.06.02.04. 11.7.11.4. excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.04. 11.7.11.4. 11.7.11.4. b) Work in neturally moist earth (70 %) m³ 11.7.11.4. b) Work in wet earth (30%) m³ 11.7.11.4. 11.7.11.4. b) Work in wet earth (30%) m³ 11.7.11.4. 11.7.11.4. 11.7.11.4.	06 06 02 02	1171		III ⁵	15,097.18		
06.06.02.04. 11.7.1.4. Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area apperent includes any dewatering operation of works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). 06.06.02.04. 11.7.1.4. News in naturally moist earth (70 %) m³ 05.06.02.04. 11.7.1.4.	00.00.02.05.	11./.1.					
06.06.02.04. 11.7.1.4. Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operations during works. Payment per m³ of excavated earth.							
06.06.02.04. 11.7.1.4. Interest the exact of the							
06.06.02.04. 11.7.1.4. a) Work in naturally moist earth (70 %) m³ 356.01 b) Work in wet earth (30%) m³ 152.55 11.7.1.4. Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m³ of excavated earth.							
operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table).m³356.0106.06.02.04.11.7.1.4.a) Work in naturally moist earth (70 %)m³152.5506.06.02.04.11.7.1.4.Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m³ of excavated earth.m³152.55							
accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). m³ 356.01 a) Work in naturally moist earth (70 %) m³ 152.55 b) Work in wet earth (30%) m³ 152.55 Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m³ of excavated earth.							
Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table). m³ 356.01 a) Work in naturally moist earth (70 %) m³ 356.01 b) Work in wet earth (30%) m³ 152.55 Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m³ of excavated earth. Image: Comparison of the comp							
06.06.02.04. 11.7.1.4. before and after excavation, transport included (excavation table). m³ 356.01 06.06.02.04. 11.7.1.4. b) Work in naturally moist earth (70 %) m³ 152.55 11.7.1.4. Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m³ of excavated earth. Image: Construction of the end of t							
06.06.02.04. 11.7.1.4. table). m³ 356.01 11.7.1.4. b) Work in wet earth (30%) m³ 152.55 11.7.1.4. Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m³ of excavated earth. Image: Construction of the transport of							
06.06.02.04. 11.7.1.4. a) Work in naturally moist earth (70 %) m³ 356.01 11.7.1.4. b) Work in wet earth (30%) m³ 152.55 11.7.1.4. Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m³ of excavated earth. Image: Comparison of the system of			before and after excavation, transport included (excavation				
06.06.02.04. 11.7.1.4. b) Work in wet earth (30%) m ³ 152.55 Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m ³ of excavated earth. 152.55			table).				
06.06.02.04. 11.7.1.4. b) Work in wet earth (30%) m ³ 152.55 Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m ³ of excavated earth. 152.55							
06.06.02.04. 11.7.1.4. b) Work in wet earth (30%) m ³ 152.55 Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m ³ of excavated earth. 152.55							
06.06.02.04. 11.7.1.4. b) Work in wet earth (30%) m ³ 152.55 Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m ³ of excavated earth. 152.55							
06.06.02.04. 11.7.1.4. b) Work in wet earth (30%) m³ 152.55 11.7.1.4. Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m³ of excavated earth. Image: Comparison of the c			a) Work in naturally moist earth (70 %)	m ³	356.01		
06.06.02.04. 11.7.1.4. Hand excavation in earth of II and III category for supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m³ of excavated earth. Image: Comparison of the c							
supporting structures. Material shall be transported to stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m ³ of excavated earth.				m ³	152.55		
stockpiling area specified by the Engineer. Measurement includes any dewatering operation during works. Payment per m ³ of excavated earth.	06.06.02.04.	11.7.1.4.					
includes any dewatering operation during works. Payment per m ³ of excavated earth.							
per m ³ of excavated earth.							
1							
m ³ 276.88			per m ³ of excavated earth.				
				m ³	276.88		

06.06.02.06. 11. 06.06.02.07. 11.		Additional excavation by hand including fine and rough leveling of bed. After mechanical excavation bed bottom and slopes shall be additionally excavated by hand. Excavated material shall be transported to the stockpiling area or used for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. Price includes any dewatering operation during works. Measurement per m ³ . a) Work in naturally moist earth (70 %) b) Work in wet earth (30%) Procurement and spreading of 15 cm thick sandy gravel	m ³	1,990.77		
06.06.02.07. 11		and slopes shall be additionally excavated by hand. Excavated material shall be transported to the stockpiling area or used for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. Price includes any dewatering operation during works. Measurement per m ³ . a) Work in naturally moist earth (70 %) b) Work in wet earth (30%)	m ³	1.990 77		
06.06.02.07. 11		Excavated material shall be transported to the stockpiling area or used for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. Price includes any dewatering operation during works. Measurement per m ³ . a) Work in naturally moist earth (70 %) b) Work in wet earth (30%)	m ³	1.990 77		
06.06.02.07. 11		 area or used for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. Price includes any dewatering operation during works. Measurement per m³. a) Work in naturally moist earth (70 %) b) Work in wet earth (30%) 	m ³	1,990 77		
06.06.02.07. 11		 be performed to accuracy of 2 cm in relation to designed levels. Price includes any dewatering operation during works. Measurement per m³. a) Work in naturally moist earth (70 %) b) Work in wet earth (30%) 	m ³	1,990 77		
06.06.02.07. 11		 levels. Price includes any dewatering operation during works. Measurement per m³. a) Work in naturally moist earth (70 %) b) Work in wet earth (30%) 	m ³	1.990 77		
06.06.02.07. 11		 works. Measurement per m³. a) Work in naturally moist earth (70 %) b) Work in wet earth (30%) 	m ³	1.990 77		
06.06.02.07. 11		a) Work in naturally moist earth (70 %) b) Work in wet earth (30%)	m ³	1,990 77		
06.06.02.07. 11		b) Work in wet earth (30%)	m ³	1.990 77		
06.06.02.07. 11		b) Work in wet earth (30%)	m³	1,990 77		
06.06.02.07. 11				-,		
06.06.02.07. 11						
06.06.02.07. 11		Droguromont and anroading of 15 am thigh conduction	m ³	853.19		
	1.7.2.2.					
	1.7.2.2.	layer under the regulated bed. Payment per m ³ of spread	2	2 015 00		
	1.7.2.2.	gravel.	m ³	2,015.00		
06.06.02.08. 3.4		Filling of bank slopes prior to making stone revetment				
06.06.02.08. 3.4		according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and				
06.06.02.08. 3.4		leveling in 30 cm thick layers and mechanical compaction				
06.06.02.08. 3.4		to the required compactness. Payment per m ³ of filled				
06.06.02.08. 3.4		material.				
06.06.02.08. 3.4		inaterial.	m ³	30,122.86		
06.06.02.08. 3.4		NOTE: Use excavated earth to fill ground and backfill the		<i>,</i>		
06.06.02.08. 3.4		old river bed.				
	4.1.5.4.	Protection of slope section from the end point of stone				
		revetment to the existing ground by topsoiling and				
		grassing. Measurement per m ² of topsoiled and grassed				
		area.	m ²	11,895.34		
06.06.02.09. 11	1.7.1.7.	All material remained from excavation not used for filling				
		shall be transported to the stockpiling area specified by the				
		Engineer. Price includes loading, transport, unloading and				
		rough spreading of material. Payment per m ³ of transported				
		material.				
			m ³	17,163.76		
				TOTAL EA	ARTH WORKS:	
06.06.03.		STONE WORKS				
06.06.03.01. 11	1.7.3.4.	Formation of slope bases and slopes of regulated river bed				
		section by using d=30 cm hammer-dressed stone embedded				
		in 1:3 cement mortar. For formation of slope bases				
		(2.00x1.00 m) and river bed slopes use only high-quality				
		limestone so that front side edges are parallel. Joints shall				
		be filled with 1 : 2 cement mortar. Payment per m ³ of				
		placed stone.				
			m ³	5,856.84		
06.06.03.02. 11	1.7.3.5.	Construction of supporting structures of d=30 cm stone	111	5,050.04		
		embedded in cement mortar according to the enclosed				
		design drawings. Payment per m ³ of placed stone.				
			m³	412.03		
•			-		TONE WORKS:	

06.06.SUMMARY - REGULATION OF THE JUZNA MORAVA RIVER AT KM 877+504.05 - km 878+127.00	
06.06.01. PRELIMINARY WORKS	
06.06.02. EARTH WORKS	
06.06.03. STONE WORKS	
TOTAL REGULATION OF THE JUZNA MORAVA RIVER AT KM 877+504.05 - km 878+127.00 (06.06.):	

06.07.	Regulation o	f the	Licindolska	River at km	878+305.47
--------	---------------------	-------	-------------	-------------	------------

		indolska River at km 878+305.47	** •			
Item No. 06.07.01.	T.S.	Work Description PRELIMINARY WORKS	Unit	Quantity	Unit Price	Total
06.07.01.01.	2.4.	For river bed regulation: clear ground from brushwood, cut trees up to 10 cm thick and uproot stumps and transport them to dump area specified by the Investor and/or the Engineer. The price includes loading into vehicles, transport to distance of 5 km, unloading and leveling of				
		dump area. Prior to commencement of works, the Contractor in cooperation with the Engineer shall measure quantities and make record into the book. Payment per m ² of cleared area.				
06.07.01.02.	2.4.	Cutting trees by mechanical saw, trimming and cutting branches, loading into vehicles, transport to dump area to distance up to 5 km specified by the Engineer and stacking up. Payment per one piece for completed work depending on tree diameter.	m ²	5,280.00		
		a) Ø 10 - 20 cm	pc.	18.00		
06.07.01.03.	2.4.	$6) \not 0 20 - 30 \text{ cm}$ Pulling out stumps and roots after trees cutting. The price includes loading and transport to distance of 5 km specified by the Engineer. Measurement per one piece depending on tree diameter.	pc.	9.00		
		a) Ø 10 - 20 cm	pc.	18.00		
		б) Ø 20 - 30 cm	pc.	9.00		
06.07.01.04.	2.2.	Geodetic surveying. Recovery of apex and traverse in length of river regulation prior to starting of works.				
			m' TOTA	132.00	NARY WORKS:	
06.07.02.		EARTH WORKS	IUIA		WART WORKS.	
06.07.02.02.	11.7.1.	For new river bed regulation: mechanical excavation in dry				
		and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table).				
		a) Work in naturally moist earth (70 %)	m ³	1,145.11		
06.07.02.03.	11.7.1.	b) Work in wet earth (30%) For construction of supporting structure: mechanical excavation in dry and moist earth of II and III category by dredgers or other suitable machines with direct loading into vehicles. Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion of works. Price includes any dewatering operations during works. Excavation shall be performed to accuracy of 10 cm in relation to designed levels. Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation table).	m ³	490.76		
		a) Work in naturally moist earth (70 %)	m³	18.72		
		b) Work in wet earth (30%)	m³	8.02		

06:07:02.04 11.7.1.4 Hand excavation in earth of II and III astegory for surceptining area specified by the Engineer. Measurement includes and development of using works. Payment includes and development operation during works. Payment per m ³ of c.69 06:07:02.05. 11.7.1.4. Additional excavation by hand including fine and rough leveling of bed. After mechanical excavation bed bottom and solpes shall be additionally excavated by hand. Excavated material shall be transported to the stockpfling area or used for embankment construction. Leveling shall be additional events of 2 cm in relation in designed levels. Price includes any devatering operating during works. Measurement per m ⁴ . 06:07:02.06. 11.7.3.2. Billing of bank dops prior to making atom eventuation during works. Measurement per m ⁴ . m ³ 286.28 06:07:02.07. 11.7.2.2. Diffied with the regulated bed. Payment per m ⁴ of spread material shall be transported to measure on eventuating and leveling to a stock first the design. Stopes shall be additioned to making atom eventuation on the design. Stopes shall be additioned the regulated bed. Payment per m ⁴ of filled material. m ⁴ 143.77 06:07:02.07. 11.7.2.2. Filling or bank dops prior on during atom events (30%) m ⁴ 1.322.60 06:07:02.08. 34.1.54. Protection of shore reventent eccording to the stockpfling and grassing. Measurement per m ⁴ of filled material. m ⁴ 1.322.60 06:07:02.08. 34.1.54. More the stockpfling area spreading of 15 transported ma	Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
06.07.02.05. 11.7.14 Additional excavated earth. n ⁿ 6.69 — 06.07.02.05. 11.7.14 Additional excavation by hand including fine and rough leveling of bod. After mechanical excavation bed bottom and object shall be additionally excavated by hand. 5.69 — — 06.07.02.05. 11.7.14 Additional excavation by hand including fine and rough leveling by hand. S.69 — — 06.07.02.05. 11.7.14 Additional excavation by hand. I.8	06.07.02.04.	11.7.1.4.					
06.07.02.05 11.7.12.4 includes any dewatering operation during works. Payment pr m ³ 6.69 06.07.02.05 11.7.14.4 Additionally excavated earth. m ³ 6.69 06.07.02.05 11.7.12.4 Additionally excavated by hand. secavated bet sockpring and the sockpring area or used for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. Price includes any dewatering operation during works. Measurement per m ⁹ . m ³ 286.28 06.07.02.06. 11.7.22. Filing of bah kine wet earth (70 %) m ³ 122.69 1000000000000000000000000000000000000							
06.07.02.05.11.7.1.4.per m ³ of excavation by hand including fine and rough leveling of Bed. After mechanical excavation hel bottom and slopes shall be addinionally excavated by hand. Excavated material shall be transported to the stockpiling area or usel for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. There includes any dewatering operation during works. Measurement per m ³ m ³ 2.86.2806.07.02.06.11.7.3.2.Procentement and spreading of 15 cm thick sandy gravel movels. Subject and indigend approximation in the store of spread method in the regulated bed. Payment per m ³ of spread method in the regulated bed. Payment per m ³ of spread method in the regulated bed. Payment per m ³ of spread method in the regulated bed. Payment per m ³ of spread method in the regulated bed. Payment per m ³ of spread method in the regulated bed. Payment per m ³ of filled material.m ³ 1.322.6006.07.02.07.11.7.3.2.Formation of signed work in spreading and leveling in 30 cm thick layers and mechanical compaction in the regulated bed. Payment per m ³ of filled material.m ³ 1.322.6006.07.02.08.3.4.1.54.Protection of dage section from the end point of store reventem to the existing ground by topsoling and graving. Measurement per m ³ of transport, unloading and rough spreading of material. Payment per m ³ of transport.m ³ 1.322.6006.07.02.09.11.7.1.34.Formation of regulated from the end point of store reventem to the existing ground by topsoling and graving. Measurement per m ³ of transporte topsole spreading of material. Payment per m ³ of transporte topsole spreading of material. Payment per m ³ of placed store.							
06.07.02.05 11.7.1.4.1 Image: marked state in the instance of the securation is the instance in the in							
06:07:02.05. 11.7.1.4. Additional excavation by hand including fine and rough levels of post-official excavation beth otoms had slopes shall be additionally excavated by hand. Excavated material shall be transported to the stockpiling area or used for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to disigned levels. Price includes and dewatering operation during works. Measurement per m ² . m ⁴ 286.28 06:07:02.05. 11.7.3.2. Procurement and synaphing of 15 cm thick sandy gravel layer under the regulated bed. Payment per m ³ of spread gravel. m ⁴ 122.69 06:07:02.05. 11.7.3.2. Procurement and synaphing stock sandy gravel layer under the regulated bed. Payment per m ³ of spread gravel. m ³ 143.77 06:07:02.07. 11.7.3.2. Frocurement and synaphing with spreading and leveling to roms sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 on thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material. m ³ 1.322.60 06:07:02.08. 3.4.15.4. Protection of dops exection from the end point of stone revertment to the existing ground by toposiling and graves direction. Unoding and rever Provide of the stockpiling area specified by the Engineer. Provide could be stockpiling area specified by the Engineer. Provide could be stockpiling area specified by the Engineer. Provide could be another price the stock area specified by the Engineer. Provide could be appread grave. m ³ 1.52.60 06:07:02.01.<			per m ³ of excavated earth.				
become of the exciting of beck. After mechanical excavation bed bottom recovered for embarkment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. Price includes any dewatering operation during works. Measurement per m ³ . a) Work in naturally moist earth (70 %) rrd 286-28 06.07.02.06 11.7.3.2. Filing of bank loops prioring to accuracy of 2 cm in relation to designed levels. Price includes any dewatering operation during works. Measurement per m ³ . m ³ 122.69 06.07.02.07. 11.7.3.2. Filing of bank loops prior to making store revertment according to cross sections from the design. Slopps shall be drive the during cross sections from the design. Slopps shall be drive the during cross sections from the end point of store revertment to the existing ground by spreading and particial. m ³ 1,322.60 06.07.02.08. 3.4.1.54. Protection of slope section from the end point of store revertment to the existing ground by spreading and particial. m ³ 1,322.60 06.07.02.08. 11.7.3.2. Filing of bank loops existin from the end point of store revertment to the existing ground by topoiling and revertment in the existing an expendited in t				m³	6.69		
and alopes shall be additionally excavated by hand. Fixavated material shall be transported to the stockpilling area or used for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. Price includes and dewatering operation during works. Measurement per m ⁹ . m ³ 286-28 06.07.02.06. 11.7.3.2. Procurement and spreading of 15 cm thick sandy gravel layer under the regulated bed. Payment per m ⁹ of spread m ⁹ 122.69 1000000000000000000000000000000000000	06.07.02.05.	11.7.1.4.					
Bit Section 1 Excavated material shall be transported to the stockpilling are specified by the s							
of output mean or substant set or substant set of the substant							
06.07.02.06 11.7.32. Procurement per m ³ . m ³ 286.28 06.07.02.06 11.7.32. Procurement and spreading of 15 cm thick sandy gravel arread. m ³ 122.69 06.07.02.07. 11.7.32. Procurement and spreading of 15 cm thick sandy gravel arread. m ³ 122.69 06.07.02.07. 11.7.32. Procurement and spreading of 15 cm thick sandy gravel arread. m ³ 143.77 06.07.02.07. 11.7.2.2. Filing of hask slops prior to making stone reverent according to cross sections from the design. Slopes shall be filled with scavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material. m ³ 1,322.60 06.07.02.08. 3.4.1.54. Protection of slope section from the endpoint of stone reverent to the existing ground by topooling and grassed m ⁴ 183.60 06.07.02.08. 3.4.1.54. Protection of slope section from the endpoint of stone reverent to the existing ground by topooling and grassed m ⁴ 183.60 06.07.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and grassed material. Payment per m ³ of transported material. m ³ 756.50 06.07.03.01 11.7.3.4. FOTNE WORKS m ³ 276.75 11.7.74.1 06.07.03.02 11							
levels. Price includes any dewatering operation during works. Measurement per m ³ .m ³ 286.2806.07.02.06 01.77.20.11.7.3.2Mork in naturally moist earth (70 %)m ³ 122.691000000000000000000000000000000000000							
observe works. Measurement per m ³ . m ³ 286.28 measurement and spreading of 15 cm thick sandy gravel layer under the regulated bed. Payment per m ³ of spread gravel layer under the regulated bed. Payment per m ³ of spread gravel layer under the regulated bed. Payment per m ³ of spread gravel layer under the regulated bed. Payment per m ³ of spread gravel layer under the regulated bed. Payment per m ³ of spread gravel layer under the regulated bed. Payment per m ³ of spread gravel layer under the regulated bed. Payment per m ³ of spread gravel layer under the regulated bed. Payment per m ³ of filled m ⁴ 143.77 Image: spread gravel layer under the regulated bed. Payment per m ³ of filled m ⁴ 06.07.02.07. 11.7.2.2 Filling of bank slopes prior to making store revertem to filled material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material. 1.322.60 Image: spread gravel layers and mechanical compaction to the required compactness. Payment per m ³ of filled material remained from excention from the end point of store revertement to the existing ground by topooling and graves grave. Image: spread grave gravel layer la							
06.07.02.06.11.7.3.2Procurement and spreading of 15 cm thick sandy gravel layer under the regulated bed. Payment per m ³ of spread met areavel.m ³ 286.2806.07.02.07.11.7.3.2Filling of bank slopes prior to making stone reventment according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material.143.77143.7706.07.02.07.11.7.2.2Filling of bank slopes prior to making stone reventment according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material.m ³ 1.322.6006.07.02.08.3.4.1.54.Protection of slope section from the end point of stone reventment to the existing ground by topsoling and grave. material.m ³ 1.83.6006.07.02.09.11.7.1.7.Minaterial remained from excavation not used for filling shall be transported to the stockpiling area specified by the material.m ³ 183.6006.07.03.01.11.7.3.4.Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1.3 cment notran. For material.m ³ 276.7506.07.03.02.11.7.3.5.Construction of supporting structures of d=30 cm stone embation of rive bed use only high-quality limencone so that front side edges are parallel. Joints shall be filled with 1.2 cement motar. Payment per m ³ of placed stone.m ³ 276.7506.07.03.0311.7.3.5. </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
06.07.02.06.11.7.3.2.Work in wet earth (30%)m³122.6906.07.02.07.11.7.2.2.Filling of 15 cm thick sandy gravel layer under the regulated bed. Payment per m³ of spread m rewel.m³143.7706.07.02.07.11.7.2.2.Filling of bank slopes prior to making stone revement according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m³ of filled material.m³1,322.6006.07.02.08.3.4.1.54.Protection of slope section from the end point of stone reverment to the existing ground by topsoiling and grassing. Measurement per m³ of topsoiled and grassed material.m³1,322.6006.07.02.09.11.7.1.7.All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported mamer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limitstone so 			I I I I I I I I I I I I I I I I I I I				
06.07.02.06.11.7.3.2.Work in wet earth (30%)m³122.6906.07.02.07.11.7.2.2.Filling of 15 cm thick sandy gravel layer under the regulated bed. Payment per m³ of spread m rewel.m³143.7706.07.02.07.11.7.2.2.Filling of bank slopes prior to making stone revement according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m³ of filled material.m³1,322.6006.07.02.08.3.4.1.54.Protection of slope section from the end point of stone reverment to the existing ground by topsoiling and grassing. Measurement per m³ of topsoiled and grassed material.m³1,322.6006.07.02.09.11.7.1.7.All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported mamer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limitstone so that from side edges are parallel. Joints shall be filled with 1: 2 cement motar according to the enclosed design drawings. Payment per m³ of placed stone. m³m³756.5006.07.03.01.11.7.3.5.Construction of supporting structures of d=30 cm stone embedded in cement motar according to the enclosed design drawings. Payment per m³ of placed stone. m³m³15.7806.07.03.02.11.7.3.5.Construction of supporting structures of d=30 cm stone embedded in cement motar according to the enclosed design drawings. Payment per m³ of							
06.07.02.06.11.7.3.2.Work in wet earth (30%)m³122.6906.07.02.07.11.7.2.2.Filling of 15 cm thick sandy gravel layer under the regulated bed. Payment per m³ of spread m rewel.m³143.7706.07.02.07.11.7.2.2.Filling of bank slopes prior to making stone revement according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m³ of filled material.m³1,322.6006.07.02.08.3.4.1.54.Protection of slope section from the end point of stone reverment to the existing ground by topsoiling and grassing. Measurement per m³ of topsoiled and grassed material.m³1,322.6006.07.02.09.11.7.1.7.All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported mamer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limitstone so that from side edges are parallel. Joints shall be filled with 1: 2 cement motar according to the enclosed design drawings. Payment per m³ of placed stone. m³m³756.5006.07.03.01.11.7.3.5.Construction of supporting structures of d=30 cm stone embedded in cement motar according to the enclosed design drawings. Payment per m³ of placed stone. m³m³15.7806.07.03.02.11.7.3.5.Construction of supporting structures of d=30 cm stone embedded in cement motar according to the enclosed design drawings. Payment per m³ of							
06.07.02.06. 11.7.3.2. Procurement and spreading of 15 cm thick sandy gravel layer under the regulated bed. Payment per m ³ of spread m ³ 143.77 06.07.02.07. 11.7.2.2. Filling of bank slopes prior to making stone revetment according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material. m ³ 1,322.60 06.07.02.08. 3.4.1.5.4. NOTE: Use excavated earth to fill ground and backfill the old river bed. m ³ 1,322.60 06.07.02.08. 3.4.1.5.4. NOTE: Use excavated earth to fill ground and backfill the existing ground by topsoling and grassing. Measurement per m ² of topsolide and grassed area. m ³ 1,322.60 06.07.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area spreading and rough spreading of material. Payment per m ³ of transported material. m ³ 766.50 06.07.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1.32 cment motar. For formation of river bed use only high-quality limestone so that front side deges are parallel. Joints shall be filled with 1: 2 cement motar. Payment per m ³ of placed stone. m ³ 276.75 06.07.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm tone embedded in ceme			a) Work in naturally moist earth (70 %)	m ³	286.28		
06.07.02.06. 11.7.3.2. Procurement and spreading of 15 cm thick sandy gravel layer under the regulated bed. Payment per m ³ of spread m ³ 143.77 06.07.02.07. 11.7.2.2. Filling of bank slopes prior to making stone revetment according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m ³ of filled material. m ³ 1,322.60 06.07.02.08. 3.4.1.5.4. NOTE: Use excavated earth to fill ground and backfill the old river bed. m ³ 1,322.60 06.07.02.08. 3.4.1.5.4. NOTE: Use excavated earth to fill ground and backfill the existing ground by topsoling and grassing. Measurement per m ² of topsolide and grassed area. m ³ 1,322.60 06.07.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area spreading and rough spreading of material. Payment per m ³ of transported material. m ³ 766.50 06.07.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1.32 cment motar. For formation of river bed use only high-quality limestone so that front side deges are parallel. Joints shall be filled with 1: 2 cement motar. Payment per m ³ of placed stone. m ³ 276.75 06.07.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm tone embedded in ceme			b) Work in wet earth (30%)	m ³	122 69		
06.07.02.07.layer under the regulated bed. Payment per m³ of spread cravel.m³143.77Image06.07.02.07.11.7.2.2Filling of bank slopes prior to making stone revetment according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and heveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m³ of filled material.m³1.43.77Image06.07.02.08.3.4.1.5.4Protection of slope section from the end point of stone area.m³1.322.60Image06.07.02.09.11.7.1.7All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport. material.m³1.83.60Image06.07.03.01.11.7.1.7All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport. material.m³7.56.50Image06.07.03.01.11.7.3.4STONE WORKSm³276.75ImageImage06.07.03.02.02.11.7.3.5Construction of supporting structures of 4=30 cm stone enmeterial.m³276.75Image06.07.03.02.0311.7.3.5Construction of supporting structures of 4=30 cm stone enmethed de in creased stone.m³1.5.78Image06.07.03.0311.7.3.5Construction of supporting structures of 4=30 cm stone enmethed de in creased stone.m³1.5.78Image06.07.03.0311.7.3.5Construction of supporting structures of 4=30	06.07.02.06.	11.7.3.2.			122.07		
$06.07.02.07.$ $11.7.2.2.$ $\frac{1}{\text{Filling}}$ of bank slopes prior to making stone reverment according to cross sections from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m³ of filled material.m³ $1.322.60$ $06.07.02.08.$ $3.4.1.5.4.$ NOTE: Use excavated earth to fill ground and backfill the eld river bed.m³ $1.322.60$ $06.07.02.09.$ $3.4.1.5.4.$ Protection of slope section from the end point of stone reverment to the existing ground by topsoiling and grassing. Measurement per m³ of topsoiled and grassed area.m² 183.60 $06.07.02.09.$ $11.7.1.7.$ All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported material.m³ 756.50 $06.07.03.01.$ $11.7.3.4.$ STONE WORKSm³ 756.50 m³ $06.07.03.02.$ $11.7.3.5.$ Construction of supporting structures of d=30 cm stone embedded in 1:3 cement mottar. For formation of regulated river bed section by using d=30 cm. hammer-dressed stone embedded in 1:3 cement mottar. For formation of supporting structures of d=30 cm stone embedded in cement mottar. Payment per m³ of placed stone. m³m³ 276.75 $06.07.03.03.$ $11.7.3.5.$ Construction of supporting structures of d=30 cm stone embedded in cement mottar according to the enclosed design drawings. Payment per m³ of placed stone. m³m³ 15.78 $06.07.03.03.$ 11							
06.07.02.09. 3.4.1.54. Fortection of slope section from the design. Slopes shall be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction to the required compactness. Payment per m³ of filled material. m³ 1,322.60 06.07.02.08. 3.4.1.54. Protection of slope section from the end point of stone revettment to the existing ground by topsoiling and grassing. Measurement per m² of topsoiled and grassed area. m² 183.60 06.07.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported material. m³ 756.50 06.07.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of ruse pool use only high-quality limestone so that from side edges are parallel. Joints shall be filled with 1:2 cement mortar. Payment per m³ of placed stone. m³ 276.75 06.07.03.01. 11.7.3.5. Construction of supporting structures of d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of ruse prover the existing river bed, upstream (1=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 276.75 06.07.03.01. 11.7.3.5. Rip-rap over the existing river bed, upstream (1=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 5.				m ³	143.77		
06.07.02.08. 3.4.1.54. Fortextion of slope section from the end point of stone revertment to the existing ground by topsoiling and grassing. Measurement per m² of topsoiled and grassed area. m² 1,322.60 06.07.02.08. 3.4.1.54. Protection of slope section from the end point of stone revertment to the existing ground by topsoiling and grassing. Measurement per m² of topsoiled and grassed area. m² 183.60 06.07.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported material. m³ 756.50 06.07.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1.3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1:2 cement mortar. Payment per m³ of placed stone. m³ 276.75 06.07.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 15.78 06.07.03.03. 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 5.00	06.07.02.07.	11.7.2.2.					
06.07.02.08. 3.4.1.5.4. Protection of slope section from the end point of stome revertment to the existing ground by topsoiling and grassing. Measurement per m ³ of filled material. m ³ 1,322.60 06.07.02.08. 3.4.1.5.4. Protection of slope section from the end point of stome revertment to the existing ground by topsoiling and grassing. Measurement per m ³ of topsoiled and grassed area. m ² 183.60 06.07.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m ³ of transported material. m ³ 756.50 06.07.03.01. 11.7.3.4. STONE WORKS m ³ 756.50 m ³ 06.07.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm that from tside edges are parallel. Joints shall be filled with 1: 2 cement mortar. For formation of river bed use only high-quality limestone. m ³ 276.75 06.07.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m ³ of placed stone. m ³ 15.78 06.07.03.03. 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m ³ of placed stone. m ³ 15.70							
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
06.07.02.08.3.4.1.5.4.Image: constraint of the existing ground by topsoiling and grassing. Measurement per m² of topsoiled and grassed area.Image: constraint of the existing ground by topsoiling and grassing. Measurement per m² of topsoiled and grassed area.Image: constraint of the existing ground by topsoiling and grassed area.Image: constraint of the existing ground by topsoiled and grassed area.Image: constraint of the existing ground by topsoiled and grassed area.Image: constraint of the existing ground by topsoiled and grassed area.Image: constraint of the existing ground by topsoiled and grassed area.Image: constraint of the existing ground by topsoiled and grassed area.Image: constraint of the existing ground by topsoiled and grassed area.Image: constraint of the existing ground by topsoiled and grassed area.Image: constraint of the existing ground by topsoiled and grassed area.Image: constraint of the existing ground by topsoiled and grassed area.Image: constraint of the existing ground by topsoiled and grassed area.Image: constraint of the existing ground by topsoiled and grassed area.Image: constraint of the existing ground by topsoiled and grassed area.Image: constraint of the existing ground by topsoiled and grassed area.Image: constraint of the existing ground by topsoiled and grassed area.Image: constraint of				m ³	1,322.60		
06.07.02.08. 3.4.1.5.4. Protection of slope section from the end point of stone revertment to the existing ground by topsoiling and grassing. Measurement per m² of topsoiled and grassed area. m² 183.60 06.07.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported material. m³ 756.50 06.07.03.01. 11.7.3.4. STONE WORKS m³ 756.50 06.07.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of supporting structures of d=30 cm stone embedded in 1:2 cement mortar. For formation of supporting structures of d=30 cm stone embedded in 1:2 cement mortar. Payment per m³ of placed stone. m³ 276.75 06.07.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar. Payment per m³ of placed stone. m³ 15.78 m³ 06.07.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m from the regulated bed. Payment per m³ of placed stone. m³ 15.78 m³			NOTE: Use excavated earth to fill ground and backfill the				
06.07.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of placed stone. m³ 756.50 06.07.03.01. 11.7.3.5. STONE WORKS TOTAL EARTH WORKS: 06.07.03.02. 11.7.3.5. Construction of regulated river bed section by using d=30 cm form form to ide edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone. m³ 276.75 06.07.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 15.78 06.07.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m from the regulated bed. Payment per m³ of placed stone. m³ 15.78 Image: 15.78							
06.07.02.09.11.7.1.7.Reasurement per m² of topsoiled and grassed area.m²183.6006.07.02.09.11.7.1.7.All material remained from excavation not used for filing shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported material.m³756.50TOTAL EARTH WORKS06.07.03.06.07.03.11.7.3.4.Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone.m³276.7506.07.03.02.11.7.3.5.Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone.m³15.7806.07.03.0311.7.3.3.Rip-rap over the existing river bed, upstream (1=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone.m³5.00m³5.00ma15.78	06.07.02.08.	3.4.1.5.4.					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							
06.07.02.09. 11.7.1.7. All material remained from excavation not used for filling shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported material. m³ 756.50 06.07.03.01 11.7.3.4. STONE WORKS TOTAL EARTH WORKS: 06.07.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone. m³ 276.75 06.07.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 15.78 06.07.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 5.00				m²	183.60		
bind shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and rough spreading of material. Payment per m³ of transported material. m³ 756.50 06.07.03. 06.07.03. 11.7.3.4. STONE WORKS TOTAL EARTH WORKS: 06.07.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of rive bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone. m³ 276.75 06.07.03.01. 11.7.3.4. King-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 5.00 06.07.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 5.00	06.07.02.09.	11.7.1.7.					
rough spreading of material. Payment per m³ of transported material.m³756.5006.07.03.STONE WORKS06.07.03.01.11.7.3.4.Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone.m³276.7506.07.03.02.11.7.3.5.Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone.m³15.7806.07.03.0311.7.3.3.Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone.m³5.00			shall be transported to the stockpiling area specified by the				
material. m³ 756.50 TOTAL EARTH WORKS: 06.07.03.01. 11.7.3.4. STONE WORKS 06.07.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone. m³ 276.75 06.07.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 15.78 06.07.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 5.00							
m3756.50TOTAL EARTH WORKS:06.07.03.01.11.7.3.4.STONE WORKS11.7.3.4.Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone.Image: mage:							
O6.07.03. 06.07.03.01. STONE WORKS 06.07.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone. m³ 276.75 06.07.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 15.78 06.07.03.03 11.7.3.5. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 15.78			material.	2	756 50		
06.07.03. STONE WORKS 06.07.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone. m³ 276.75 06.07.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 15.78 06.07.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 5.00				m			
06.07.03.01. 11.7.3.4. Formation of regulated river bed section by using d=30 cm hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone. m³ 276.75 06.07.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 15.78 06.07.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 5.00					TOTAL E	ARTH WORKS:	
hammer-dressed stone embedded in 1:3 cement mortar. For formation of river bed use only high-quality limestone so that front side edges are parallel. Joints shall be filled with 1 : 2 cement mortar. Payment per m³ of placed stone. m³ 276.75 06.07.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 15.78 06.07.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 5.00		11724					
06.07.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 276.75 06.07.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 5.00	00.07.03.01.	11.7.3.4.					
06.07.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 276.75 06.07.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 15.78							
06.07.03.02. 11.7.3.5. Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 276.75 06.07.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 15.78							
$06.07.03.02.$ $11.7.3.5.$ Construction of supporting structures of d=30 cm stone embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m^3 276.75 $06.07.03.03$ $11.7.3.3.$ Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m^3 15.78							
06.07.03.03 11.7.3.3. embedded in cement mortar according to the enclosed design drawings. Payment per m³ of placed stone. m³ 15.78 06.07.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 5.00				m³	276.75		
06.07.03.03 11.7.3.3. design drawings. Payment per m ³ of placed stone. m ³ 15.78 m ³ 15.78 m ³ 15.00 m ³ m ³ 5.00 m ³ m ³ m ³ m ³	06.07.03.02.	11.7.3.5.					
$06.07.03.03$ $11.7.3.3.$ Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone.m³ 15.78 m^3 5.00							
06.07.03.03 11.7.3.3. Rip-rap over the existing river bed, upstream (l=5.0+5.0 m) from the regulated bed. Payment per m³ of placed stone. m³ 5.00			design drawings. Payment per m ³ of placed stone.	m ³	15 70		
from the regulated bed. Payment per m ³ of placed stone. m ³ 5.00	06 07 03 03	11733	Rin-ran over the existing river hed unstream $(1-5.0\pm5.0 \text{ m})$	m	13.78		
m ³ 5.00	00.07.05.05	11.7.3.3.					
			he regulated eed. I dynone per in or placed stolle.	m ³	5.00		
						TONE WORKS:	

06.07.SUMMARY - REGULATION OF THE LICINDOLSKA RIVER AT KM 878+305.47	
06.07.01. PRELIMINARY WORKS	
06.07.02. EARTH WORKS	
06.07.03. STONE WORKS	
TOTAL REGULATION OF THE LICINDOLSKA RIVER AT KM 878+305.47 (06.07.):	

06.08. Regulation of the Juzna Morava River at km 878+411.02

Item No.	T.S.	ma Morava River at km 878+411.02 Work Description	Unit	Quantity	Unit Price	Total
06.08.01.	1.5.	PRELIMINARY WORKS	Umt	Quantity	Unit Frice	Total
06.08.01. 06.08.01.01.	2.4.	For river bed regulation: clear ground from brushwood, cut				
		trees up to 10 cm thick and uproot stumps and transport				
		them to dump area specified by the Investor and/or the				
		Engineer. The price includes loading into vehicles,				
		transport to distance of 5 km, unloading and leveling of				
		dump area. Prior to commencement of works, the				
		Contractor in cooperation with the Engineer shall measure				
		quantities and make record into the book. Payment per m ² of cleared area.				
		of cleated area.	m²	7,980.00		
06.08.01.02.	2.2.	Geodetic surveying. Recovery of apex and traverse in				
		length of river regulated section prior to start of works.				
			m'	190.00		
			TOTA	L PRELIMI	NARY WORKS:	
06.08.02.		EARTH WORKS				
06.08.02.01.	3.1.	Stripping topsoil to depth of 25 cm with clearing weeds				
		and other plants. Topsoil shall be stockpiled at distance up				
		to 5 km. Payment per m ³ of transported material.				
			m ³	200.00		
06.08.02.02.	11.7.1.	For new river bed regulation: mechanical excavation in dry				
		and moist earth of II and III category by dredgers or other				
		suitable machines with direct loading into vehicles.				
		Measurement includes excavation, loading, transport, unloading and leveling of stockpiling area after completion				
		of works. Price includes any dewatering operations during				
		works. Excavation shall be performed to accuracy of 10 cm				
		in relation to designed levels. Measurement will be made				
		per cross sections surveyed before and after excavation,				
		transport included (excavation table).				
		a) Work in naturally moist earth (70 %)	m ³	5,446.60		
			m	3,440.00		
		b) Work in wet earth (30%)	m ³	2,334.26		
06.08.02.03.	11.7.1.	For construction of supporting structure: mechanical				
		excavation in dry and moist earth of II and III category by				
		dredgers or other suitable machines with direct loading into				
		vehicles. Measurement includes excavation, loading,				
		transport, unloading and leveling of stockpiling area after				
		completion of works. Price includes any dewatering				
		operations during works. Excavation shall be performed to				
		accuracy of 10 cm in relation to designed levels.				
		Measurement will be made per cross sections surveyed before and after excavation, transport included (excavation				
		table).				
		a) Work in naturally moist earth (70 %)	m³	160.59		
		,				
		b) Work in wet earth (30%)	m ³	68.82		
06.08.02.04.	11.7.1.4.	Hand excavation in earth of II and III category for				
		supporting structures. Material shall be transported to				
		stockpiling area specified by the Engineer. Measurement				
		includes any dewatering operation during works. Payment				
		per m ³ of excavated earth.	m ³	138.40		
06.08.02.05.	11.7.1.4.	Additional excavation by hand including fine and rough		-20.10		
		leveling of bed. After mechanical excavation bed bottom				
		and slopes shall be additionally excavated by hand.				
		Excavated material shall be transported to the stockpiling				
		area or used for embankment construction. Leveling shall				
		be performed to accuracy of 2 cm in relation to designed				
		levels. Price includes any dewatering operation during				
		works. Measurement per m ³ .				
		a) Work in naturally moist earth (70 %)	m ³	529.30		
		b) Work in wet earth (30%)	m³	226.84		
	I	of work in wor carin (3070)	111"	220.04		1-94

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
06.08.02.06.	11.7.3.2.	Procurement and spreading of 15 cm thick sandy gravel				
		layer under the regulated bed. Payment per m3 of spread				
		gravel.	m ³	502.12		
06.08.02.07.	11.7.2.2.	Filling of bank slopes prior to making stone revetment				
		according to cross sections from the design. Slopes shall be				
		filled with excavated material along with spreading and				
		leveling in 30 cm thick layers and mechanical compaction				
		to the required compactness. Payment per m3 of filled				
		material.				
			2	005.00		
			m ³	885.02		
		NOTE: Use excavated earth to fill ground and backfill the				
0,6,00,00,00	2 4 1 5 4	old river bed.				
06.08.02.08.	3.4.1.5.4.	Protection of slope section from the end point of stone				
		revetment to the existing ground by topsoiling and grassing. Measurement per m ² of topsoiled and grassed				
		area.	m²	767.84		
06.08.02.09.	11.7.1.7.	All material remained from excavation not used for filling	III-	/0/.84		
00.08.02.09.	11./.1./.	•				
		shall be transported to the stockpiling area specified by the Engineer. Price includes loading, transport, unloading and				
		rough spreading of material. Payment per m ³ of transported				
		material.	2	0.010.00		
			m³	8,019.80		
				TOTAL E	ARTH WORKS:	
06.08.03.		STONE WORKS				
06.08.03.01.	11.7.3.4.	Formation of slope bases and slopes of regulated river bed				
		section by using d=30 cm hammer-dressed stone embedded				
		in 1:3 cement mortar. For formation of slope bases				
		(2.00x1.00 m) and river bed slopes use only high-quality				
		limestone so that front side edges are parallel. Joints shall				
		be filled with 1:2 cement mortar. Payment per m ³ of				
		placed stone.				
			m ³	1,397.58		
06.08.03.02.	11.7.3.5.	Construction of supporting structures of d=30 cm stone				
		embedded in cement mortar according to the enclosed				
		design drawings. Payment per m3 of placed stone.				
			m ³	207.20		
			III*	207.20		

06.08.SUMMARY - REGULATION OF THE JUZNA MORAVA RIVER AT KM 878+411.02	
06.08.01. PRELIMINARY WORKS	
06.08.02. EARTH WORKS	
06.08.03. STONE WORKS	
TOTAL REGULATION OF THE JUZNA MORAVA RIVER AT KM 878+411.02 (06.08.):	

06. REGULATION OF WATER STREAMS - SUMMARY	_
06.01. REGULATION OF VASILJKOVAC BROOK AT km 874+115.48	
06.02. REGULATION OF THE JUZNA MORAVA RIVER AT km 874+266.12	
06.03. REGULATION OF A TRIBUTARY OF THE JUZNA MORAVA RIVER (874+266.12) at km 0+570.00	
06.04. REGULATION OF THE JUZNA MORAVA RIVER AT km 875+434.24	
06.05. REGULATION OF THE PALOJSKA RIVER AT km 877+386.56	
06.06. REGULATION OF THE JUZNA MORAVA RIVER AT km 877+504.05 - km 878+127.00	
06.07. REGULATION OF THE LICINDOLSKA RIVER AT km 878+305.47	
06.08. REGULATION OF THE JUZNA MORAVA RIVER AT km 878+411.02	
SUB-TOTAL	
Unforeseen work (5% of sub-total)	
TOTAL REGULATION OF WATER STREAMS (06.):	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.01.01.		PRELIMINARY WORKS	1			
07.01.01.01.	2.4.1	PRELIMINARY WORKS		,		
		Works shall be paid in a lump sum.		lump s	um	
			TOTA	L PRELIMIN	ARY WORKS:	
07.01.02.		EARTH WORKS	1			
07.01.02.01.	3.1.1.	Topsoil stripping This item includes stripping of 20 cm thick topsoil layer and				
		stockpiling of material on the site.				
		Measurement unit is m2.				
		Measurement is made in the LOT 1 Civil engineering design.				
			m^2			
07.01.02.02.	11.1.1	Excavation of earth for walls				
		Price includes excavation of III and IV category earth,loading				
		and transport of surplus material to stockpiling area specified				
		by the Engineer. Measurement unit is m3.				
		Measurement is made in the LOT 1 Civil engineering design.				
			m ³			
07.01.02.03.	3.4.1.4	Filling and compaction				
		Price includes the following machine operations: filling and				
		spreading, fine and rough leveling, wetting and compaction of				
		locally excavated material.				
		Measurement unit is m3.	m ³	2,632.34		
07.01.02.04.	3.4.1.1	Embankment slope topsoiling		2,052.54		
		This item includes embankment topsoiling above the filter				
		filling in 15 cm thick layer.				
		Measurement unit is m2.	m^2	1,384.20		
				TOTAL EA	RTH WORKS:	
07.01.03.		CONCRETE WORKS		1		
07.01.03.01.	11.1.2	Construction of retaining walls				
		Price includes concreting of retaining walls ring by ring with MB30, V4, M150 reinforced concrete, fully in accordance				
		with designed details.				
		Measurement unit is m3	m ³	3,134.85		
07.01.03.02.	11.1.2	Placing lean concrete under wall foundation				
		This item includes concreting of 10 cm thick bed under wall				
		-				
		foundation with MB 15 dense concrete.	2			
		-	m ³	93.45		
		foundation with MB 15 dense concrete. Measurement unit is m3.			RETE WORKS:	
07.01.04.		foundation with MB 15 dense concrete. Measurement unit is m3. REINFORCEMENT WORKS			RETE WORKS:	
	11.1.3	foundation with MB 15 dense concrete. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars			RETE WORKS:	
	11.1.3	foundation with MB 15 dense concrete. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all			RETE WORKS:	
	11.1.3	foundation with MB 15 dense concrete. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars			RETE WORKS:	
07.01.04. 07.01.04.01.	11.1.3	foundation with MB 15 dense concrete. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all			RETE WORKS:	
	11.1.3	foundation with MB 15 dense concrete. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is κg.	TO	TAL CONCL 107,934.60		
	11.1.3	foundation with MB 15 dense concrete. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is κg. TO SUNDRIES	TO	TAL CONCL 107,934.60	RETE WORKS:	
07.01.04.01. 07.01.05.	11.1.3	foundation with MB 15 dense concrete. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is κg. TO SUNDRIES Placing of drainage filter	TO	TAL CONCL 107,934.60		
07.01.04.01.		foundation with MB 15 dense concrete. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is κg. TO SUNDRIES Placing of drainage filter This item includes placing of gravel filter behind the wall	TO	TAL CONCL 107,934.60		
07.01.04.01. 07.01.05.		foundation with MB 15 dense concrete. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is κg. TO SUNDRIES Placing of drainage filter	TO	TAL CONCL 107,934.60		
07.01.04.01. 07.01.05.		foundation with MB 15 dense concrete. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is κg. TO SUNDRIES Placing of drainage filter This item includes placing of gravel filter behind the wall	TO kg TAL R	TAL CONCI 107,934.60 EINFORCEM		
07.01.04.01. 07.01.05.		foundation with MB 15 dense concrete. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is κg. TO SUNDRIES Placing of drainage filter This item includes placing of gravel filter behind the wall including procurement and transport,fully as designed. Measurement unit is m3.	TO	TAL CONCL 107,934.60		
07.01.04.01. 07.01.05. 07.01.05.01.	11.1.4	foundation with MB 15 dense concrete. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is κg. TO SUNDRIES Placing of drainage filter This item includes placing of gravel filter behind the wall including procurement and transport,fully as designed.	TO kg TAL R	TAL CONCI 107,934.60 EINFORCEM		
07.01.04.01. 07.01.05. 07.01.05.01.	11.1.4	foundation with MB 15 dense concrete. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is κg. SUNDRIES Placing of drainage filter This item includes placing of gravel filter behind the wall including procurement and transport,fully as designed. Measurement unit is m3. Plastic pipes φ100 mm for weepholes Price includes procurement and laying of φ100 mm plastic pipes for weepholes including all related works.	TO kg TAL R	TAL CONCI 107,934.60 EINFORCEM		
07.01.04.01. 07.01.05. 07.01.05.01.	11.1.4	foundation with MB 15 dense concrete. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is κg. SUNDRIES Placing of drainage filter This item includes placing of gravel filter behind the wall including procurement and transport,fully as designed. Measurement unit is m3. Plastic pipes φ100 mm for weepholes Price includes procurement and laying of φ100 mm plastic	TO kg TAL R	TAL CONCI 107,934.60 EINFORCEM		

07.01. Retaining wall 1 rightwards from km 873+875 to km 874+108 and from km 874+119 to km 874+224, L=357,43 m

07.01. SUMM	ARY Retaining wall 1-rightwards, from кт 873+875 to кт 874+ 108 and from 874+119 to km 874+224 , L=357,43	<u>m</u>
07.01.01.	PRELIMINARY WORKS	
07.01.02.	EARTH WORKS	
07.01.03.	CONCRETE WORKS	
07.01.04.	REINFORCEMENT WORKS	
07.01.05.	SUNDRIES	
TOTAL Retain	ning wall 1-rightwarts, from km 873+875 to km 874+ 108 and from 874+119 to km 874+224 , L=357,43m (07.01.):	

07.02. Retaining wall 2 leftwards, from km 875+580 to km 875+618 L=39,13 m

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.02.01.		PRELIMINARY WORKS				
07.02.01.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	um	
			тота	L PRELIMIN	NARY WORKS:	
07.02.02.		EARTH WORKS				
07.02.02.01.	3.1.1.	Topsoil stripping This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site. Measurement unit is m2. Measurement is made in the LOT 1 Civil engineering design.	m ²			
07.02.02.02.	11.1.1	Excavation of earth for walls Price includes excavation of III and IV category earth,loading and transport of surplus material to stockpiling area specified by the Engineer. Measurement unit is m3. Measurement is made in the LOT 1 Civil engineering design.	m ³			
07.02.02.03.	3.4.1.4	Filling and compaction Price includes the following machine operations:filling and spreading, fine and rough leveling, wetting and compaction of locally excavated material. Measurement unit is m3.	m ³	272.69		
07.02.02.04.	3.4.1.1	Embankment slope topsoiling This item includes embankment topsoiling above the filter filling in 15 cm thick layer.				
		Measurement unit is m2.	m ²	97.82		
				TOTAL EA	ARTH WORKS:	
07.02.03.		CONCRETE WORKS		IUIAL LA	KIII WOKKS:	
07.02.03.01.	11.1.2	Construction of retaining walls Price includes concreting of retaining walls ring by ring with MB30, V4, M150 reinforced concrete, fully in accordance with designed details.				
		Measurement unit is m3	m ³	98.61		
07.02.03.02.	11.1.2	Placing lean concrete under wall foundation This item includes concreting of 10 cm thick bed under wall foundation with MB 15 dense concrete. Measurement unit is m3.	m ³	9.19		
			Τſ	TAL CONCI	RETE WORKS:	
07.02.04.		REINFORCEMENT WORKS	п			
07.02.04.01.	11.1.3	RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is kg.	kg	7,671.50		
		, i i i i i i i i i i i i i i i i i i i			1	
		TO	FAL R	EINFORCEN	IENT WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.02.05.		SUNDRIES				
07.02.05.01.	11.1	Plastic pipes f100 mm for weepholes Price includes procurement and laying of \$\phi100 mm plastic pipes for weepholes including all related works. Measurement unit is m`.	'n	8.00		
TOTAL SUNDRIES:						

07.02. SUMMARY Retaining wall 2-leftwards, from km 875+580 to km 875+618 , L=39,13m	
07.02.01. PRELIMINARY WORKS	
07.02.02. EARTH WORKS	
07.02.03. CONCRETE WORKS	
07.02.04. REINFORCEMENT WORKS	
07.02.05. SUNDRIES	
TOTAL Retaining wall 2-leftwards, from km 875+580 to km 875+618 , L=39,13m (07.02.):	

07.03. Retaining wall 3 leftwards, from km 875+630 to km 875+656 L=26,78 m

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.03.01.		PRELIMINARY WORKS	-			
07.03.01.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump si	um	
			тота	L PRELIMIN	ARY WORKS:	
07.03.02.		EARTH WORKS				
07.03.02.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer and				
		stockpiling of material on the site.				
		Measurement unit is m2. Measurement is made in the LOT 1				
		Civil engineering design.	m ²			
07.03.02.02.	11.1.1	Excavation of earth for walls				
		Price includes excavation of III and IV category earth, loading				
		and transport of surplus material to stockpiling area specified				
		by the Engineer.				
		Measurement unit is m3. Measurement is made in the LOT 1				
		Civil engineering design	m ³			
07.03.02.03.	3.4.1.4	Filling and compaction				
		Price includes the following machine operations: filling and				
		spreading, fine and rough leveling, wetting and compaction of				
		locally excavated material.				
		Measurement unit is m3.	m ³	175.06		
07.03.02.04.	3.4.1.1	Embankment slope topsoiling				
		This item includes embankment topsoiling above the filter				
		filling in 15 cm thick layer.				
		Measurement unit is m2.	m ²	66.95		
					RTH WORKS:	
07.03.03.		CONCRETE WORKS		IUIAL LA	KIII WOKKS.	
07.03.03.01.	11.1.2	Construction of retaining walls	I		ſ	
071021021011		Price includes concreting of retaining walls ring by ring with				
		MB30, V4, M150 reinforced concrete, fully in accordance				
		with designed details.				
		Measurement unit is m3	m ³	67.49		
07.03.03.02.	11.1.2	Placing lean concrete under wall foundation		07.47		
	11.1.2	This item includes concreting of 10 cm thick bed under wall				
		foundation with MB 15 dense concrete				
		Measurement unit is m3.	m ³	6.30		
I						
07.03.04.		DEINIEODOEMENT WODZS	ТС	TAL CONCE	RETE WORKS:	
	11 1 2	REINFORCEMENT WORKS	r		T	
07.03.04.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of all				
		necessary material including all related works. Measurement unit is kg	Ι.	5 3 00 10		
		incasurement unit is kg	kg	5,399.18		
		To		EDIEODCEN	IENT WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.03.05.		SUNDRIES				
07.03.05.01.	11.1	Plastic pipes f100 mm for weepholes Price includes procurement and laying of φ100 mm plastic pipes for weepholes including all related works. Measurement unit is m`.	m	5.50		

07.03. SUMM	ARY Retaining wall 3-leftwards, from km 875+630 to km 875+656, L=26,78m	
07.03.01.	PRELIMINARY WORKS	
07.03.02.	EARTH WORKS	
07.03.03.	CONCRETE WORKS	
07.03.04.	REINFORCEMENT WORKS	
07.03.05.	SUNDRIES	
	TOTAL Retaining wall 3-leftwards, from km 875+630 to km 875+656, L=26,78m(07.03.):	

07.04. Retaining wall 4 in the central reserve

Item No. 07.04.01. 07.04.01.01. 07.04.02.01.	T.S. 2.4.1	Work Description PRELIMINARY WORKS	Unit	Quantity	Unit Price	Total
07.04.01.01. 07.04.02.	2.4.1					
07.04.02.	2.4.1	PRELIMINARY WORKS	T			
				lump a	100	
		Works shall be paid in a lump sum		lump si	4111	
			TOTA	L PRELIMIN	ARY WORKS:	
07.04.02.01.		EARTH WORKS				
	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer and				
		stockpiling of material on the site.				
		Measurement unit is m2. Measurement is made in the LOT 1	2			
		Civil engineering design.	m ²			
07.04.02.02.	11.1.1	Excavation of earth for walls				
		Price includes excavation of III and IV category earth, loading				
		and transport of surplus material to stockpiling area specified				
		by the Engineer.				
		Measurement unit is m3. Measurement is made in the LOT 1	2			
		Civil engineering design.	m ³			
				TOTAL EA	RTH WORKS:	
07.04.03.		CONCRETE WORKS		-		
07.04.03.01.	11.1.2	Construction of concrete cap				
		Price includes construction of reinforced concrete cap ring by				
		ring, fully in accordance with designed details.				
		Measurement unit is m3	m ³	67.49		
07.04.03.02.	11.1.2	Construction of concrete wall foundation				
		This item includes concreting of wall foundation with MB 30				
		plain concrete, d=50 cm.				
		Measurement unit is m3.	m ³	6.30		
07.04.04.		MASONRY WORKS	10	TAL CONCE	RETE WORKS:	
07.04.04.01.	07.04.04.01.	Construction of stone wall	1 1			
07.04.04.01.	07.04.04.01.	Price includes construction of stone wall of 20-40 cm				
		fractions in cement mortar, fully in accordance with designed				
		details.				
		Measurement unit is m3.	m ³	2,006,00		
		Nousarchient and is ins.	m	2,886.22		
			Т	OTAL MASO	NRY WORKS:	
07.04.05.		REINFORCEMENT WORKS				
07.04.05.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of all				
		necessary material including all related works.				
		Measurement unit is kg.	kg	9,435.09		
		ΤΩ	TAT RI	FINFORCEN	IENT WORKS:	
07.04.06.		SUNDRIES			Lati WORKD.	
07.04.06.01.	11.1	Plastic pipes f100 mm for weepholes			[[]	
		Price includes procurement and laying of ϕ 100 mm plastic				
		pipes for weepholes including all related works.				
		Measurement unit is m [°] .	m	236.00		
			111	230.00		

07.04. SUMM	07.04. SUMMARY Retaining wall 4-in the central reserve from km 875+730,40 to km 876+229,09, L=498,69m					
07.04.01.	PRELIMINARY WORKS					
070.04.02.	EARTH WORKS					
07.04.03.	CONCRETE WORKS					
07.04.04.	MASONRY WORKS					
07.04.05.	REINFORCEMENT WORKS					
07.04.06.	SUNDRIES					
	TOTAL Retaining wall 4-in the central reserve from km 875+730,40 to km 876+229,09, L=498,69m (07.04.):					

07.05. Supporting structure of reinforced earth 5 leftwards, from km 875+844 to km 876+085 L=241 m

	PRELIMINARY WORKS				
	I KELIWIINAKI WORKS	_			
2.4.1	PRELIMINARY WORKS				
	Works shall be paid in a lump sum		lump s	um	
		тота	L PRELIMIN	ARY WORKS:	
	EARTH WORKS				
3.1.1.	Topsoil stripping				
	This item includes stripping of 20 cm thick topsoil layer and				
	stockpiling of material on the site.				
	Measurement unit is m2.				
	Measurement unit is m2. Measurement is made in the LOT 1	2			
	Civil engineering design.	m ²			
11.1.1					
	Measurement is made in the LOT T Civil engineering design.	m ³			
07.05.07.03	Construction of embankment			<u>├</u>	
571021071031	This item includes construction of earth embankment with				
	min. 30% of 0-125 mm stone fractions.				
	Measurement unit is m3	m ³	4 440 91		
	CONCRETE WORKS		TOTAL EA	RTH WORKS:	
11.1.2					
11.1.2					
		3	20.25		
11.1.0		m	30.37		
11.1.2					
		3	12.50		
	Weasurement unit is inj.	m	13.50		
		TO	TAL CONCE	RETE WORKS:	
11.1.3					
		_			
	Measurement unit is m3	m ³	792.89		
	ТО	TAL R	EINFORCEM	IENT WORKS:	
	WORKS WITH GEOSYNTHETIC MATERIALS				
07.05.10.01.	Placing of geogrids				
	This item includes procurement, cutting and placing of				
	Measurement unit is m2				
	a) geogrid M1 with Tdop= 8,21KN/m	m^2	4,969.00		
	a) geogrid M2 with Tdop= 18,14KN/m	m ²	6,127.00		
07.05.10.02.	Procurement and installation of connectors				
	This item includes procurement and installation of				
	polyethylene connectors to connect geogrids and concrete				
	blocks.	1			
	DIOCKS.				
	Measurement unit is m`	m`	3,142.00		
	11.1.1 07.05.07.03. 11.1.2 11.1.2 11.1.3 07.05.10.01.	EARTH WORKS 3.1.1. Topsoil stripping This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site. Measurement unit is m2. Measurement is made in the LOT 1 Civil engineering design. Excavation of earth Price includes excavation of II and III category earth,loading and transport of surplus material to stockpiling area specified by the Engineer. Measurement unit is m3. Measurement is made in the LOT 1 Civil engineering design. 07.05.07.03. Construction of embankment This item includes construction of earth embankment with min. 30% of 0-125 mm stone fractions. Measurement unit is m3. 11.1.2 Construction of foundation with MB20 plain concrete This item includes procurement, transport of necessary material, work on concrete mixing and placing, quality proof and other related works. Measurement unit is m3 11.1.2 Construction of top section of retaining wall This item includes concreting of top section of retaining wall with MB 30 concrete, fully in accordance with designed detail. Measurement unit is m3. RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is m3 Procurement and installation of geogrids as designed. 07.05.10.01	TOTA 3.1.1. Topsoil stripping This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site. Measurement unit is m2. Measurement unit is m2. Measurement is made in the LOT 1 Civil engineering design. m ² 11.1.1 Excavation of earth Price includes excavation of I and III category earth,loading and transport of surplus material to stockpiling area specified by the Engineer. Measurement unit is m3. Measurement unit is m3. Measurement unit is m3. Measurement unit is m3. Measurement unit is m3. m ³ 07.05.07.03. Construction of embankment This item includes construction of earth embankment with min. 30% of 0-125 mm stone fractions. Measurement unit is m3. m ³ 11.1.2 Construction of foundation with MB20 plain concrete This item includes procurement, transport of necessary material, work on concrete mixing and placing, quality proof and other related works. Measurement unit is m3 m ³ 11.1.2 Construction of top section of retaining wall with MB 30 concrete, fully in accordance with designed detail. Measurement unit is m3. m ³ 11.1.3 RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is m2 m ³ 07.05.10.01. Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 m ² 07.05.10.02 Placing of geogrids This item includes procurement, cutting and placing of	TOTAL PRELIMIN 3.1.1. Topsoil stripping of 20 cm thick topsoil layer and stockpiling of material on the site. Measurement unit is m2. Measurement is made in the LOT 1 Civil engineering design. m ² 11.1.1 Excavation of earth m ² Excavation of earth m ² m ² 07.05.07.03. Construction of surplus material to stockpiling area specified by the Engineer. Measurement is m3. Measurement unit is m3. Measurement unit is m3. Measurement unit is m3. m ³ 4,440.91 07.05.07.03. Construction of embankment This item includes concruction of earth embankment with min. 30% of 0-125 mm stone fractions. Measurement unit is m3. m ³ 4,440.91 11.1.2 CONCRETE WORKS TOTAL EA 11.1.2 Construction of foundation with MB20 plain concrete This item includes procurement, transport of necessary material work on concrete mixing and placing, quality proof and other related works. Measurement unit is m3 m ³ 30.37 11.1.2 Construction of top section of retaining wall with MB 30 concrete, fully in accordance with designed detail. Measurement unit is m3. m ³ 13.50 11.1.3 REINFORCEMENT WORKS m ³ 13.50 11.1.3 REINFORCEMENT WORKS m ³ 13.50 07.05.10.01. Measurement unit is m2 m ³	TOTAL PRELIMINARY WORKS: 3.1.1. Topsoil stripping This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site. Measurement unit is m2. Measurement is made in the LOT 1 (iv)l engineering design. Measurement unit is m3. Measurement is made in the LOT 1 m ² 11.1.1 Excavation of earth Price includes excavation of II and III category earth,loading and transport of surplus material to stockpiling area specified by the Engineer. Measurement unit is m3. Measurement unit is m3. Measurement unit is m3. Measurement unit is m3. m ³ 4.440.91 07.05.07.03 Construction of embankment This item includes construction of earth embankment with min. 30% of 0-125 mm stone fractions. Measurement unit is m3. m ³ 4.440.91 11.1.2 Construction of foundation with MB20 plain concrete This item includes procurement, transport of necessary material, work on concrete mixing and placing, quality proof and other related works. Measurement unit is m3. m ³ 30.37 11.1.2 Construction of foundation with MB20 plain concrete This item includes concreting of top section of retaining wall this item includes concreting of top section of retaining wall with MB 30 concrete, fully in accordance with designed detail. Measurement unit is m3. m ³ 30.37 11.1.2 REINFORCEMENT WORKS m ³ 13.50 TOTAL EXENT WORKS 11.1.3 REINFORCEMENT WORKS m ³ 13.50 TOTAL EXENT WORKS 11.1.3 RE

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.05.11.		MASONRY WORKS				
07.05.11.01.	8.3.6	Building wall face of concrete blocks				
		This item includes procurement, transport and building wall				
		face of concrete blocks MB30, V4, M150, 40x 15x22 in size.				
		Measurement unit is piece`.	pc`	17,882.00		

07.05. SUMM	ARY Supporting structure of reinforced earth 5 -leftwards, from km 875+844 to km 876+085, L=241m	
07.05.06.	PRELIMINARY WORKS	
07.05.07.	EARTH WORKS	
07.05.08.	CONCRETE WORKS	
07.05.09.	REINFORCEMENT WORKS	
07.05.10.	WORKS WITH GEOSYNTHETIC MATERIALS	
07.05.11.	MASONRY WORKS	
	TOTAL Supporting structure of reinforced earth 5 -leftwards, from km 875+844 to km 876+085, L=241m(07.05.):	

07.06. Supporting structure of reinforced earth 6 leftwards, from km 876+202,99 to km 876+228,99 L=26 m

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.06.06.		PRELIMINARY WORKS				
07.06.06.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump sı	ım	
			TOTAL	PRELIMIN	ARY WORKS:	
07.06.07.		EARTH WORKS	-			
07.06.07.01.	3.1.1.	Topsoil stripping This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site. Measurement unit is m2. Measurement is made in the LOT 1 Civil engineering design.				
			m ²			
07.06.07.02.	11.1.1	Excavation of earth Price includes excavation of II and III category earth, loading and transport of surplus material to stockpiling area specified by the Engineer. Measurement unit is m3. Measurement is made in the LOT 1 Civil engineering design.	m ³			
07.06.07.03.	07.06.07.03.	Construction of embankment This item includes construction of earth embankment with min. 30% of 0-125 mm stone fractions.				
		Measurement unit is m3.	m ³	684.32		
				TOTAL EA	RTH WORKS:	
07.06.08.		CONCRETE WORKS		TOTAL		
07.06.08.01.	11.1.2	Construction of foundation with MB20 plain concrete This item includes procurement, transport of necessary material, work on concrete mixing and placing, quality proof and other related works. Measurement unit is m3	m ³	3.28		
07.06.08.02.	11.1.2	Construction of top section of retaining wall This item includes concreting of top section of retaining wall with MB 30 concrete, fully in accordance with designed detail. Measurement unit is m3.	m ³	1.50		
			TO	TAL CONCE	RETE WORKS:	
07.06.09.		REINFORCEMENT WORKS	10		LIE WORRS:	
07.06.09.01.	11.1.3	RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is kg	kg	792.89		
		-	. U			

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.06.10.		WORKS WITH GEOSYNTHETIC MATERIALS				
07.06.10.01.	07.06.10.01.	Placing of geogrids				
		This item includes procurement, cutting and placing of				
		geogrids as designed.				
		Measurement unit is m2				
		a) geogrid M1 with Tdop= 8,21KN/m	m ²	512.00		
		a) geogrid M2 with Tdop= 18,14KN/m	m ²	656.00		
07.06.10.02.	07.06.10.02.	Procurement and installation of connectors				
		This item includes procurement and installation of				
		polyethylene connectors to connect geogrids and concrete				
		blocks.				
		Measurement unit is m`	m`	313.00		
		TOTAL WORKS WITH	H GEOS	SYNTHETIC	MATERIALS :	
07.06.11.		MASONRY WORKS				
07.06.11.01.	8.3.6	Building wall face of concrete blocks				
		This item includes procurement, transport and building wall				
		face of concrete blocks MB30, V4, M150, 40x 15x22 in size.				
		Measurement unit is piece.	pc.	1,878.00		
			T	OTAL MASC	ONRY WORKS:	

07.06. SUMM	ARY Supporting structure of reinforced earth 6 -leftwards, from km 876+202,99 to km 876+228,99, L=26m						
07.06.06.	PRELIMINARY WORKS						
07.06.07.	EARTH WORKS						
07.06.08.	CONCRETE WORKS						
07.06.09.	REINFORCEMENT WORKS						
07.06.10.	WORKS WITH GEOSYNTHETIC MATERIALS						
07.06.11.	MASONRY WORKS						
TO	TOTAL Supporting structure of reinforced earth 6 -leftwards, from km 876+202,99 to km 876+228,99, L=26m(07.06.):						

07.08.Supporting structure of reinforced earth 8 leftwards, from km 876+409,40 to km 876+506,02 L=95 m

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.08.06.		PRELIMINARY WORKS		- ·		
07.08.06.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum		lump s	um	
			TOTA	L PRELIMIN	ARY WORKS:	
07.08.07.		EARTH WORKS				
07.08.07.01.	3.1.1.	Topsoil stripping This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site. Measurement unit is m2.				
		Measurement is made in the LOT 1 Civil engineering design.	m ²			
07.08.07.02.	11.1.1	Excavation of earth Price includes excavation of II and III category earth, loading and transport of surplus material to stockpiling area specified by the Engineer.				
		Measurement unit is m3. Measurement is made in the LOT 1 Civil engineering design.	m ³			
07.08.07.03.	07.08.07.03.	Construction of embankment This item includes construction of earth embankment with min. 30% of 0-125 mm stone fractions. Measurement unit is m3.	m ³	5,187.00		
				TOTAL EA	ARTH WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.08.08.		CONCRETE WORKS		_		
07.08.08.01.	11.1.2	Construction of foundation with MB20 plain concrete				
		This item includes procurement, transport of necessary				
		material, work on concrete mixing and placing, quality proof				
		and other related works.				
		Measurement unit is m3	m ³	11.97		
07.08.08.02.	11.1.2	Construction of top section of retaining wall				
		This item includes concreting of top section of retaining wall				
		with MB 30 concrete, fully in accordance with designed				
		detail.				
		Measurement unit is m3.	m ³	5.32		
		•	то	TAL CONCI	RETE WORKS:	
07.08.09.		REINFORCEMENT WORKS	- 0			
07.08.09.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of all				
		necessary material including all related works.				
		Measurement unit is kg	kg	312.55		
		ΤΟ	TAL R	EINFORCEM	IENT WORKS:	
07.08.10.		WORKS WITH GEOSYNTHETIC MATERIALS				
07.08.10.01.	07.08.10.01.	Placing of geogrids				
		This item includes procurement, cutting and placing of				
		geogrids as designed.				
		Measurement unit is m2				
		a) geogrid M1 with Tdop= 8,21KN/m	m^2	2,042.00		
		b) geogrid M2 with Tdop=18,14KN/m	m ²	2,711.00		
07.08.10.02.	07.08.10.02.	Procurement and installation of connectors				
		This item includes procurement and installation of				
		polyethylene connectors to connect geogrids and concrete				
		blocks.				
		Measurement unit is m`	m`	1,278.00		
		TOTAL WORKS WITH	I GEOS	SYNTHETIC	MATERIALS :	
07.08.11.		MASONRY WORKS				
07.08.11.01.	8.3.6	Building wall face of concrete blocks				
		This item includes procurement, transport and building wall				
		face of concrete blocks MB30, V4, M150, 40x 15x22 in size.				
		Measurement unit is piece.	pcs	7,379.00		
		rieusurement unit is piece.	1		L	
			Т	OTAL MASC	NRY WORKS:	

07.08. SUMMARY Supporting structure of reinforced earth 8 -leftwards, from km 876+409,40 to km 876+506,02, L=95m					
07.08.06.	PRELIMINARY WORKS				
07.08.07.	EARTH WORKS				
07.08.08.	CONCRETE WORKS				
07.08.09.	REINFORCEMENT WORKS				
07.08.10.	WORKS WITH GEOSYNTHETIC MATERIALS				
07.08.11.	MASONRY WORKS				

TOTAL Supporting structure of reinforced earth 8 -leftwards, from km 876+409,40 to km 876+506,02, L=95m(07.08.):

07.09. Retaining wall 9 in the central reserve from km 878+675 to km 879+025,38 L=350 m

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.09.01.		PRELIMINARY WORKS				
07.09.01.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	um	
			TOTA	L PRELIMIN	ARY WORKS:	
07.09.02.		EARTH WORKS				
07.09.02.01.	3.1.1.	Topsoil stripping This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site. Measurement unit is m2. Measurement is made in the LOT 1 Civil engineering design.	m ²			

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.09.02.02.	11.1.1	Excavation of earth for walls Price includes excavation of III and IV category earth, loading and transport of surplus material to stockpiling area specified				
		by the Engineer.				
		Measurement unit is m3. Measurement is made in the LOT 1 Civil engineering design.				
			m ³			
				TOTAL EA	RTH WORKS:	
07.09.03.		CONCRETE WORKS				
07.09.03.01.	11.1.2	Construction of concrete cap Price includes construction of reinforced concrete cap ring by ring, fully in accordance with designed details. Measurement unit is m3	m ³	126.50		
07.00.02.02	11.1.2	Construction of concrete wall foundation	m	136.50		
07.09.03.02.	11.1.2	This item includes concreting of wall foundation with MB 30 plain concrete, $d=50$ cm.				
		Measurement unit is m3.	m ³	271.25		
		·	TC	TAL CONCI	RETE WORKS:	
07.09.04.		MASONRY WORKS				
07.09.04.01.	07.09.04.01.	Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with designed details.				
		Measurement unit is m3.	m ³	2,026.50		
			Т	OTAL MASO	NRY WORKS:	
07.09.05.		REINFORCEMENT WORKS				
07.09.05.01.	11.1.3	RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works.				
		Measurement unit is kg.	kg	6,622.52		
			TAL R	EINFORCEM	IENT WORKS:	
07.09.06.		SUNDRIES				
07.09.06.01.	11.1	Plastic pipes f100 mm for weepholes Price includes procurement and laying of φ100 mm plastic pipes for weepholes including all related works. Measurement unit is m`.	m	168.00		
			ш			
				ТОТА	AL SUNDRIES:	

07.09. SUMM	ARY Retaining wall 9-in the central reserve from km 878+675 to km 879+025,38, L=350m	
07.09.01.	PRELIMINARY WORKS	
07.09.02.	EARTH WORKS	
07.09.03.	CONCRETE WORKS	
07.09.04.	MASONRY WORKS	
07.09.05.	REINFORCEMENT WORKS	
07.09.06.	SUNDRIES	
	TOTAL Retaining wall 9-in the central reserve from km 878+675 to km 879+025,38, L=350m(07.09.):	

07.10.Supporting structure of reinforced earth 10 leftwards, from km 878+730 to km 878+829,17 L=101 m

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.10.06.		PRELIMINARY WORKS				
07.10.06.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	um	
			TOTA	L PRELIMIN	ARY WORKS:	
07.10.07.		EARTH WORKS				
07.10.07.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer and				
		stockpiling of material on the site.				
		Measurement unit is m2. Measurement is made in the LOT 1				
		Civil engineering design.	m ²			
07.10.07.02.	11.1.1	Excavation of earth				
		Price includes excavation of II and III category earth, loading				
		and transport of surplus material to stockpiling area specified				
		by the Engineer.				
		Measurement unit is m3. Measurement is made in the LOT 1				
		Civil engineering design.	m ³			

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.10.07.03.	07.10.07.03.	Construction of embankment				
		This item includes construction of earth embankment with				
		min. 30% of 0-125 mm stone fractions.				
		Measurement unit is m3.	m ³	2,893.04		
		•		TOTAL EA	RTH WORKS:	
07.10.08.		CONCRETE WORKS		-		
07.10.08.01.	11.1.2	Construction of foundation with MB20 plain concrete				
		This item includes procurement, transport of necessary				
		material, work on concrete mixing and placing, quality proof				
		and other related works.				
		Measurement unit is m3	m ³	14.62		
07.10.08.02.	11.1.2	Construction of top section of retaining wall				
		This item includes concreting of top section of retaining wall				
		with MB 30 concrete, fully in accordance with designed				
		detail.	2			
		Measurement unit is m3.	m ³	6.50		
			то	TAL CONCH	RETE WORKS:	
07.10.09.		REINFORCEMENT WORKS				
07.10.09.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of all				
		necessary material including all related works. Measurement unit is kg	kg	381.64		
07.10.10.			TAL R	EINFORCEM	IENT WORKS:	
07.10.10. 07.10.10.01.	07.10.10.01.	WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids			T	
07.10.10.01.	07.10.10.01.	This item includes procurement, cutting and placing of				
		geogrids as designed.				
		Measurement unit is m2				
		a) geogrid M1 with Tdop= 8,21KN/m	m ²	2,556.00		
			m	2,330.00		
		b) geogrid M2 with Tdop= 18,14KN/m	m ²	3,295.00		
07.10.10.02.	07.10.10.02.	Procurement and installation of connectors		-,_,-,-,-,		
		This item includes procurement and installation of				
		polyethylene connectors to connect geogrids and concrete				
		blocks.				
		Measurement unit is m`	m`	1,366.00		
		TOTAL WORKS WITH			MATERIALS	
07.10.11.		MASONRY WORKS		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	mining,	
07.10.11.01.	8.3.6	Building wall face of concrete blocks			l	
		This item includes procurement, transport and building wall				
		face of concrete blocks MB30, V4, M150, 40x 15x22 in size.				
		Measurement unit is piece.	pcs	8,336.00		

07.10. SUMM	07.10. SUMMARY Supporting structure of reinforced earth 10 -leftwards, from km 878+730 to km 878+829,17, L=101m					
07.10.06.	PRELIMINARY WORKS					
07.10.07.	EARTH WORKS					
07.10.08.	CONCRETE WORKS					
07.10.09.	REINFORCEMENT WORKS					
07.10.10.	WORKS WITH GEOSYNTHETIC MATERIALS					
07.10.11.	MASONRY WORKS					
<u>T0</u> 2	TAL Supporting structure of reinforced earth 10 -leftwards, from km 878+730 to km 878+829,17, L=101m(07.10.):					

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.11.06.	I 1071	PRELIMINARY WORKS		×		2.544
07.11.06.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	um	
			TOTA	L PRELIMIN	ARY WORKS:	
07.11.07.		EARTH WORKS				
07.11.07.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site.				
		Measurement unit is m2. Measurement is made in the LOT 1				
		Civil engineering design.	m ²			
07.11.07.02.	11.1.1	Excavation of earth				
		Price includes excavation of II and III category earth, loading and transport of surplus material to stockpiling area specified				
		by the Engineer.				
		Measurement unit is m3. Measurement is made in the LOT 1				
		Civil engineering design.	m ³			
07.11.07.03.	07.11.07.03.	Construction of embankment				
		This item includes construction of earth embankment with				
		min. 30% of 0-125 mm stone fractions.	3			
		Measurement unit is m3.	m ³	6,550.00		
				TOTAL EA	RTH WORKS:	
07.11.08.	11.1.2	CONCRETE WORKS Construction of foundation with MB20 plain concrete	1 1		I	
07.11.08.01.	11.1.2	This item includes procurement, transport of necessary				
		material, work on concrete mixing and placing, quality proof				
		and other related works.				
		Measurement unit is m3	m ³	14.74		
07.11.08.02.	11.1.2	Construction of top section of retaining wall				
		This item includes concreting of top section of retaining wall with MB 30 concrete, fully in accordance with designed				
		detail.				
		Measurement unit is m3.	m ³	7.02		
		•	то	TAL CONCL	RETE WORKS:	
07.11.09.		REINFORCEMENT WORKS	10		LIE WORKS.	
07.11.09.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of all				
		necessary material including all related works.	l.a	400.00		
		Measurement unit is kg	kg	400.00		
07 11 10			TAL RI	EINFORCEM	IENT WORKS:	
07.11.10. 07.11.10.01.	07.11.10.01.	WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids	+			
J.111.10.01.	57.11.10.01.	This item includes procurement, cutting and placing of				
		geogrids as designed.				
		Measurement unit is m2				
		a) geogrid M1 with Tdop= 8,21KN/m	m ²	2,450.00		
			2	0.100		
07 11 10 02	07 11 10 02	b) geogrid M2 with Tdop= 18,14KN/m	m ²	3,190.00		
07.11.10.02.	07.11.10.02.	Procurement and installation of connectors				
		This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete				
		blocks.				
		Measurement unit is m`	m`	1,622.00		
		TOTAL WORKS WITH	H GEOS	SYNTHETIC	MATERIALS :	
07.11.11.		MASONRY WORKS				
07.11.11.01.	8.3.6	Building wall face of concrete blocks				
		This item includes procurement, transport and building wall				
		face of concrete blocks MB30, V4, M150, 40x 15x22 in size.				
		Measurement unit is piece.	pcs	9,737.00		
	•	· · · · · · · · · · · · · · · · · · ·				
			Т	JTAL MASO	NRY WORKS:	

07.11. SUMM		
07.11.06.	PRELIMINARY WORKS	
07.11.07.	EARTH WORKS	
07.11.08.	CONCRETE WORKS	
07.11.09.	REINFORCEMENT WORKS	
07.11.10.	WORKS WITH GEOSYNTHETIC MATERIALS	
07.11.11.	MASONRY WORKS	
<u>T0</u> 2		

07.12. Retaining wall 12 rightwards from km 879+362 to km 879+450 L=88,03 m

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.12.01. 07.12.01.01.	2.4.1	PRELIMINARY WORKS	1			
07.12.01.01.	2.4.1	PRELIMINARY WORKS		1		
		Works shall be paid in a lump sum.		lump s	ulli	
			TOTA	L PRELIMIN	NARY WORKS:	
07.12.02.		EARTH WORKS	1		-	
07.12.02.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site.				
		Measurement unit is m2.				
		Measurement is made in the LOT 1 Civil engineering design.				
		inclusive inclusion in the BOTT Civil engineering design.	m^2			
07.12.02.02.	11.1.1	Excavation of earth for walls				
		Price includes excavation of III and IV category earth,loading				
		and transport of surplus material to stockpiling area specified				
		by the Engineer.				
		Measurement unit is m3.				
		Measurement is made in the LOT 1 Civil engineering design.	m ³			
07.12.02.03.	3.4.1.4	Filling and compaction	m		<u> </u>	
57.12.02.05.	J. 1.1.T	Price includes the following machine operations: filling and				
		spreading, fine and rough leveling, wetting and compaction of				
		locally excavated material.				
		Measurement unit is m3.	m ³	331.87		
07.12.02.04.	3.4.1.1	Embankment slope topsoiling				
		This item includes embankment topsoiling above the filter				
		filling in 15 cm thick layer.				
		Measurement unit is m2.	m ²	176.06		
				TOTAL EA	ARTH WORKS:	
07.12.03.		CONCRETE WORKS				
07.12.03.01.	11.1.2	Construction of retaining walls				
		Price includes concreting of retaining walls ring by ring with				
		MB30, V4, M150 reinforced concrete, fully in accordance				
		with designed details.	2			
		Measurement unit is m3	m ³	3,134.85		
07.12.03.02.	11.1.2	Construction of concrete cap on the wall				
		This item includes construction of cap of MB 30 plain concrete, fully in accordance with designed detail.				
		Measurement unit is m3.	m ³	22.77		
		hieronomenent unit is inst	m	23.77		
			TC	DTAL CONCL	RETE WORKS:	
07.12.04.	11 1 2	REINFORCEMENT WORKS	1	1	, r	
07.12.04.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of all necessary material including all related works.	1			
		Measurement unit is κr .	kg	26,454.63		
		•				
07.12.05.			I'AL R	EINFORCEN	IENT WORKS:	
07.12.05.	11.1.4	SUNDRIES Placing of drainage filter			г г	
07.12.03.01.	11.1.4	This item includes placing of gravel filter behind the wall				
		including procurement and transport, fully as designed.				
		Br				
		Measurement unit is m3.	m ³	260.57		
07.12.05.02.	11.1	Plastic pipes f100 mm for weepholes	1			
		Price includes procurement and laying of ϕ 100 mm plastic				
		pipes for weepholes including all related works.				
		Measurement unit is m`.	m	37.10		
				TOT	AL SUNDRIES:	
				101	AL SUNDKIES:	1-107

07.12. SUMMARY Retaining wall 12-rightwarts, from km 879+362 to km 879+450,L=88,03m 07.12.01. PRELIMINARY WORKS 07.12.02. EARTH WORKS 07.12.03. CONCRETE WORKS 07.12.04. REINFORCEMENT WORKS 07.12.05. SUNDRIES

07.13. Supporting structure of reinforced earth 13 leftwards, from km 879+518,01 to km 879+680 L=162 m

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.13.06.		PRELIMINARY WORKS	1			
07.13.06.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.	lump sum			
			TOTAL	L PRELIMIN	ARY WORKS:	
07.13.07.		EARTH WORKS				
07.13.07.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer and				
		stockpiling of material on the site. Measurement unit is m2. Measurement is made in the LOT 1				
		Civil engineering design.	m^2			
07.13.07.02.	11.1.1	Excavation of earth				
		Price includes excavation of II and III category earth, loading				
		and transport of surplus material to stockpiling area specified				
		by the Engineer.				
		Measurement unit is m3. Measurement is made in the LOT 1	3			
07 12 07 02	07 12 07 02	Civil engineering design.	m ³			
07.13.07.03.	07.13.07.03.	Construction of embankment				
		This item includes construction of earth embankment with min. 30% of 0-125 mm stone fractions.				
		Measurement unit is m3.	m ³	0 022 (2		
		Weasurement unit is his.	m	8,833.63		
				TOTAL EA	RTH WORKS:	
07.13.08.		CONCRETE WORKS	<u> </u>			
07.13.08.01.	11.1.2	Construction of foundation with MB20 plain concrete				
		This item includes procurement, transport of necessary material, work on concrete mixing and placing, quality proof				
		and other related works.				
		Measurement unit is m3	m ³	20.41		
07.13.08.02.	11.1.2	Construction of top section of retaining wall		20.41		
		This item includes concreting of top section of retaining wall				
		with MB 30 concrete, fully in accordance with designed				
		detail.				
		Measurement unit is m3.	m ³	9.07		
			то	TAL CONCI	RETE WORKS:	
07.13.09.		REINFORCEMENT WORKS				
07.13.09.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of all				
		necessary material including all related works.		722 00		
		Measurement unit is kg	kg	532.98		
	-		TAL RI	EINFORCEM	IENT WORKS:	
07.13.10.		WORKS WITH GEOSYNTHETIC MATERIALS	\square			
07.13.10.01.	07.13.10.01.	Placing of geogrids				
		This item includes procurement, cutting and placing of				
		geogrids as designed.				
		Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m	2	< 0 05 00		
			m ²	6,035.00		
		b) geogrid M2 with Tdop= 18,14KN/m	m ²	7,785.00		
07.13.10.02.	07.13.10.02.	Procurement and installation of connectors		1,105.00		
	57112110.02.	This item includes procurement and installation of				
		polyethylene connectors to connect geogrids and concrete				
		blocks.				
		Measurement unit is m`	m`	2,551.00		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.13.11.		MASONRY WORKS				
07.13.11.01.	8.3.6	Building wall face of concrete blocks				
		This item includes procurement, transport and building wall				
		face of concrete blocks MB30, V4, M150, 40x 15x22 in size.				
		Measurement unit is piece.	pcs	16,180.00		
	TOTAL MASONRY WORKS:					

07.13. SUMM	ARY Supporting structure of reinforced earth 13 -leftwards, from km 879+518,01 to km 879+680, L=162m	
07.13.06.	PRELIMINARY WORKS	
07.13.07.	EARTH WORKS	
07.13.08.	CONCRETE WORKS	
07.13.09.	REINFORCEMENT WORKS	
07.13.10.	WORKS WITH GEOSYNTHETIC MATERIALS	
07.13.11.	MASONRY WORKS	
<u>T01</u>	TAL Supporting structure of reinforced earth 13 -leftwards, from km 879+518,01 to km 879+680, L=162m(07.13.):	

07.14. Retaining wall 14 rightwards from km 879+590 to km 879+773,63 L=183 m

I

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.14.01.		PRELIMINARY WORKS				
07.14.01.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	um	
			TOTAL	^	ARY WORKS:	
07.14.02.		EARTH WORKS	10111			
07.14.02.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer and				
		stockpiling of material on the site.				
		Measurement unit is m2.				
		Measurement is made in the LOT 1 Civil engineering design.				
			m ²			
07.14.02.02.	11.1.1	Excavation of earth for walls				
		Price includes excavation of III and IV category earth, loading				
		and transport of surplus material to stockpiling area specified				
		by the Engineer.				
		Measurement unit is m3.				
		Measurement is made in the LOT 1 Civil engineering design.				
			m ³			
07.14.02.03.	3.4.1.4	Filling and compaction				
		Price includes the following machine operations: filling and				
		spreading, fine and rough leveling, wetting and compaction of				
		locally excavated material.				
		Measurement unit is m3.	m ³	689.89		
07.14.02.04.	3.4.1.1	Embankment slope topsoiling				
		This item includes embankment topsoiling above the filter				
		filling in 15 cm thick layer.				
		Measurement unit is m2.	m ²	366.00		
				TOTAL EA	RTH WORKS:	
07.14.03.		CONCRETE WORKS				
07.14.03.01.	11.1.2	Construction of retaining walls				
		Price includes concreting of retaining walls ring by ring with				
		MB30, V4, M150 reinforced concrete, fully in accordance				
		with designed details.				
		Measurement unit is m3	m ³	1,594.93		
07.14.03.02.	11.1.2	Construction of concrete cap on the wall		,		
		This item includes construction of cap of MB 30 plain				
		concrete, fully in accordance with designed detail.				
		Measurement unit is m3.	m ³	49.41		
I			••		RETE WORKS:	
07.14.04.		REINFORCEMENT WORKS	10		LIL WORKS:	
07.14.04.01.	11.1.3	RA 400/500-2 ribbed bars			[[
0,111011011	11.1.5	Price includes procurement, cutting, bending and fixing of all				
		necessary material including all related works.				
		Measurement unit is Kr.	kg	56,095.49		
			0	,		
		TO	I'AL RI	LINFORCEM	IENT WORKS:	1 100

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.14.05.		SUNDRIES				
07.14.05.01.	11.1.4	Placing of drainage filter				
		This item includes placing of gravel filter behind the wall				
		including procurement and transport, fully as designed.				
		Measurement unit is m3.	m ³	541.71		
07.14.05.02.	11.1	Plastic pipes f100 mm for weepholes				
		Price includes procurement and laying of \$\phi100 mm plastic				
		pipes for weepholes including all related works.				
		Measurement unit is m`.	m	77.38		
				TOTA	AL SUNDRIES:	

07.14. SUMM	ARY Retaining wall Z14-rightwarts, from km 879+590 to km 879+773,63, L=183m	
07.14.01.	PRELIMINARY WORKS	
07.14.02.	EARTH WORKS	
07.14.03.	CONCRETE WORKS	
07.14.04.	REINFORCEMENT WORKS	
07.14.05.	SUNDRIES	
	<u>TOTAL Retaining wall 14-rightwarts, from km 879+590 to km 879+773,63, L=183m(07.14.):</u>	

07.M6. Supporting structure of reinforced earth M6 rightwarts,

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.M6.06.		PRELIMINARY WORKS			•	
07.M6.06.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	um	
			TOTAL		ARY WORKS:	
07.M6.07.		EARTH WORKS	IUIAI	- PKELIVIII	NAKI WURKS:	
07.M6.07.01.	3.1.1.	Topsoil stripping				
0,1110.0,1011	01111	This item includes stripping of 20 cm thick topsoil layer and				
		stockpiling of material on the site.				
		Measurement unit is m2. Measurement is made in the LOT 1				
		Civil engineering design.	m ²			
07.M6.07.02.	11.1.1	Excavation of earth				
		Price includes excavation of II and III category earth, loading				
		and transport of surplus material to stockpiling area specified				
		by the Engineer.				
		Measurement unit is m3. Measurement is made in the LOT 1				
		Civil engineering design.	m ³			
07.M6.07.03.	07.M6.07.03.	Construction of embankment				
		This item includes construction of earth embankment with				
		min. 30% of 0-125 mm stone fractions.				
		Measurement unit is m3.	m ³	470.00		
					ARTH WORKS:	
07.M6.08.		CONCRETE WORKS		IUIAL LA		
07.M6.08.01.	11.1.2	Construction of foundation with MB20 plain concrete				
		This item includes procurement, transport of necessary				
		material, work on concrete mixing and placing, quality proof				
		and other related works.				
		Measurement unit is m3	m ³	2.73		
07.M6.08.02.	11.1.2	Construction of top section of retaining wall	m	2.15		
07.1110.00.02.	11.1.2	This item includes concreting of top section of retaining wall				
		with MB 30 concrete, fully in accordance with designed				
		detail.				
		Measurement unit is m3.	m ³	1.30		
			· · · · ·			
07 MC 00		DEINEOD CEMENT WODEC	ТО	TAL CONCI	RETE WORKS:	
07.M6.09.	11.1.2	REINFORCEMENT WORKS	<u> </u>			
07.M6.09.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of all				
		necessary material including all related works.	ka	130.00		
		Measurement unit is kg	kg	150.00	-	
		ΤΟ΄	TAL RE	INFORCEN	IENT WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.M6.10.		WORKS WITH GEOSYNTHETIC MATERIALS				
07.M6.10.01.	07.M6.10.01.	Placing of geogrids				
		This item includes procurement, cutting and placing of				
		geogrids as designed.				
		Measurement unit is m2				
		a) geogrid M1 with Tdop= 8,21KN/m	m ²	495.00		
		b) geogrid M2 with Tdop= 18,14KN/m	m ²	535.00		
07.M6.10.02.	07.M6.10.02.	Procurement and installation of connectors				
		This item includes procurement and installation of				
		polyethylene connectors to connect geogrids and concrete				
		blocks.				
		Measurement unit is m`	m`	320.00		
		TOTAL WORKS WIT	H GEOS	SYNTHETIC	MATERIALS :	
07.M6.11.		MASONRY WORKS				
07.M6.11.01.	8.3.6	Building wapl face of concrete blocks				
		This item includes procurement, transport and building wall				
		face of concrete blocks MB30, V4, M150, 40x 15x22 in size.				
		Measurement unit is piece.	pc.	1,905.00		
			Т	OTAL MASC	NRY WORKS:	

07.M6. SUMMARY Supporting structure of reinforced earth M6 -rightwarts, from km 0+435,30 to km 0+457(following the centerline of conection between the parallel road and M1), L=21,70m

-		
07.M6.06.	PRELIMINARY WORKS	
07.M6.07.	EARTH WORKS	
07.M6.08.	CONCRETE WORKS	
07.M6.09.	REINFORCEMENT WORKS	
07.M6.10.	WORKS WITH GEOSYNTHETIC MATERIALS	
07.M6.11.	MASONRY WORKS	
TOTALS	upporting structure of reinforced earth M6-rightwarts from km $0+43530$ to km $0+457$ (following the centerline of	

<u>TOTAL Supporting structure of reinforced earth M6-rightwarts, from km 0+435,30 to km 0+457(following the centerline of conection between the paralell road and M1), L=21,70m(07.M6.):</u>

07.K1. Slope K1 rightwards from km 875+505 to km 876+245

				Unit Price	Total
	PRELIMINARY WORKS				
2.4.1	PRELIMINARY WORKS				
	Works shall be paid in a lump sum.		lump si	um	
		TOTA	L PRELIMIN	ARY WORKS:	
	WORKS ON SLOPE PROTECTION				
5.1.	Drilling and installation of SN anchor RØ25				
	e i				
	treatment, installation and grouting of 5 m long SN anchor				
	Rf25, placing the concrete base, installation of steel base plate				
	and tightening the nut.				
	Measurement unit is piece	pc.	2,050.00		
5.2.	Reinforcement mesh				
	This item includes procurement, transport, cutting and fixing				
	of Q138 reinforcement mesh.				
	Measurement unit is kg	kg	17,290.00		
5.3.	Placing 5-10 cm thick layer of MB30 jet concrete				
	This item includes procurement, transport and placing of jet				
	concrete in two layers.				
	Measurement unit is m2	m ²	16,460.00		
8.3.6.	Installation of prefabricated berm perimeter channel maid of				
	MB30 reinforced concrete				
	This item includes procurement, transport and installation of				
	prefabricated perimeter channel.				
	Measurement unit is m`	m`	2,455.00		
4.4.6	Laying of drainage half-pipes				
	1 1 1 5 0				
			250.00		
	Measurement unit is m`	m`	250.00		
	5.1. 5.2. 5.3. 8.3.6.	 Works shall be paid in a lump sum. 5.1. Drilling and installation of SN anchor RØ25 This item includes drilling of f42-44 mm holes,procurement, treatment, installation and grouting of 5 m long SN anchor Rf25,placing the concrete base, installation of steel base plate and tightening the nut. Measurement unit is piece 5.2. Reinforcement mesh This item includes procurement, transport, cutting and fixing of Q138 reinforcement mesh. Measurement unit is kg 5.3. Placing 5-10 cm thick layer of MB30 jet concrete This item includes procurement, transport and placing of jet concrete in two layers. Measurement unit is m2 8.3.6. Installation of prefabricated berm perimeter channel maid of MB30 reinforced concrete This item includes procurement, transport and installation of prefabricated perimeter channel. Measurement unit is m` 	Works shall be paid in a lump sum. TOTAI TOTAI WORKS ON SLOPE PROTECTION 5.1. Drilling and installation of SN anchor RØ25 This item includes drilling of f42-44 mm holes,procurement, treatment, installation and grouting of 5 m long SN anchor Rf25,placing the concrete base, installation of steel base plate and tightening the nut.	Jump sum. Works shall be paid in a lump sum. TOTAL PRELIMIN TOTAL PRELIMIN TOTAL PRELIMIN Solution of SN anchor RØ25 This item includes drilling of f42-44 mm holes, procurement, treatment, installation and grouting of 5 m long SN anchor Rf25, placing the concrete base, installation of steel base plate and tightening the nut. Measurement unit is piece pc. 2,050.00 5.2. Reinforcement mesh This item includes procurement, transport, cutting and fixing of Q138 reinforcement mesh. kg 17,290.00 5.3. Placing 5-10 cm thick layer of MB30 jet concrete m ² 16,460.00 8.3.6. Installation of prefabricated berm perimeter channel maid of MB30 reinforced concrete m ² 16,460.00 8.3.6. Installation of prefabricated berm perimeter channel maid of MB30 reinforced concrete m ² 2,455.00 4.4.6 Laying of drainage half-pipes m ³ 2,455.00	Import Works shall be paid in a lump sum. TOTAL PRELIMINARY WORKS: TOTAL PRELIMINARY WORKS: OTAL PRELIMINARY WORKS: Solution of SN anchor RØ25 This item includes drilling of f42-44 mm holes,procurement, treatment, installation and grouting of 5 m long SN anchor Rf25,placing the concrete base, installation of steel base plate and tightening the nut. Description Measurement unit is piece pc. 2,050.00 5.2. Reinforcement mesh This item includes procurement, transport, cutting and fixing of Q138 reinforcement mesh. kg 17,290.00 5.3. Placing 5-10 cm thick layer of MB30 jet concrete This item includes procurement, transport and placing of jet concrete in two layers. m ² 16,460.00 8.3.6. Installation of prefabricated berm perimeter channel maid of MB30 reinforced concrete This item includes procurement, transport and installation of prefabricated perimeter channel. m ³ 2,455.00 4.4.6 Laying of drainage half-pipes m ³ 2,455.00 m

07.K1. SUMM	ARY Slope 1 rightwarts from km 875+505 to km 876+245	
07.K1.01.	PRELIMINARY WORKS	
07.K1.02.	WORKS ON SLOPE PROTECTION	
	TOTAL Slope 1 rightwarts from km 875+505 to km 876+245(07.K1.):	

07.K2. Slope K2 rightwards from KM 876+510 to km 876+745

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.K2.01.		PRELIMINARY WORKS				
07.K2.01.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.	lump sum		um	
			TOTA	L PRELIMIN	ARY WORKS:	
07.K2.02.		WORKS ON SLOPE PROTECTION				
07.K2.02.01.	5.1.	Drilling and installation of SN anchor RØ25				
		This item includes drilling of f42-44 mm holes, procurement,				
		treatment, installation and grouting of 5 m long SN anchor				
		Rf25, placing the concrete base, installation of steel base plate				
		and tightening the nut.				
		Measurement unit is piece	pc.	410.00		
07.K2.02.02.	5.2.	Reinforcement mesh				
		This item includes procurement, transport, cutting and fixing				
		of Q138 reinforcement mesh.				
		Measurement unit is kg	kg	3,300.00		
07.K2.02.03.	5.3.	Placing 5-10 cm thick layer of MMB30 jet concrete				
		This item includes procurement, transport and placing of jet				
		concrete in two layers.				
		Measurement unit is m2	m ²	3,140.00		
07.K2.02.04.	8.3.6.	Installation of prefabricated berm perimeter channel maid of				
		MB30 reinforced concrete				
		This item includes procurement, transport and installation of				
		prefabricated perimeter channel.				
		Measurement unit is m`	m`	418.00		
07.K2.02.05.	4.4.6	Laying of drainage half-pipes				
		This item includes procurement, preparation, laying and				
		protection of half-pipes against clogging during jet concreting.				
		Measurement unit is m`	m`	90.00		
		TOTAL W	ORKS	ON SLOPE P	ROTECTION :	

07.K2. SUMM	ARY Slope 2 rightwarts from km 876+510 to km 876+745	
07.K2.01.	PRELIMINARY WORKS	
07.K2.02.	WORKS ON SLOPE PROTECTION	
	TOTAL Slope 2 rightwarts from km 876+510 to km 876+745(07.K2.):	

07.K3. Slope K3 leftwards, from km 875+555 to km 876+685

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.КЗ.01.		PRELIMINARY WORKS				
07.K3.01.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	um	
	TOTAL PRELIMINARY WORKS:					
07.КЗ.02.		WORKS ON SLOPE PROTECTION				
07.K3.02.01.	5.1.	Drilling and installation of SN anchor RØ25 This item includes drilling of f42-44 mm holes,procurement,				
		treatment, installation and grouting of 5 m long SN anchor Rf25,placing the concrete base, installation of steel base plate				
		and tightening the nut.				
		Measurement unit is piece	pc.	115.00		
07.K3.02.02.	5.2.	Reinforcement mesh This item includes procurement, transport, cutting and fixing of Q138 reinforcement mesh.				
		Measurement unit is kg	kg	930.00		
07.K302.03.	5.3.	Placing 5-10 cm thick layer of MMB30 jet concrete This item includes procurement, transport and placing of jet concrete in two layers.				
		Measurement unit is m2	m ²	886.00		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.K3.02.04.	8.3.6.	Installation of prefabricated berm perimeter channel maid of				
		MB30 reinforced concrete				
		This item includes procurement, transport and installation of				
		prefabricated perimeter channel.				
		Measurement unit is m`	m`	135.00		
07.K3.02.05.	4.4.6	Laying of drainage half-pipes				
		This item includes procurement, preparation, laying and				
		protection of half-pipes against clogging during jet concreting.				
		Measurement unit is m`	m`	45.00		
		TOTAL W	ORKS	ON SLOPE P	ROTECTION :	

07.K3. SUMN	IARY Slope 3 leftwards from km 875+555 to km 876+685	
07.K3.01.	PRELIMINARY WORKS	
07.K3.02.	WORKS ON SLOPE PROTECTION	
	TOTAL Slope 3 leftwards from km 875+555 to km 876+685(07.K3.):	

07.K4. Slope K4 rightwards from KM 878+625 to km 879+090

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.К4.01.		PRELIMINARY WORKS				
07.K4.01.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum		lump s	um	
			TOTAL	PRELIMIN	ARY WORKS:	
07.К4.02.		WORKS ON SLOPE PROTECTION				
07.K4.02.01.	5.1.	Drilling and installation of SN anchor RØ25				
		This item includes drilling of f42-44 mm holes, procurement,				
		treatment, installation and grouting of 5 m long SN anchor				
		Rf25, placing the concrete base, installation of steel base plate				
		and tightening the nut.				
		Measurement unit is piece	pc.	560.00		
07.K4.02.02.	5.2.	Reinforcement mesh				
		This item includes procurement, transport, cutting and fixing				
		of Q138 reinforcement mesh.				
		Measurement unit is kg	kg	4,380.00		
07.K4.02.03.	5.3.	Placing 5-10 cm thick layer of MMB30 jet concrete				
		This item includes procurement, transport and placing of jet				
		concrete in two layers.				
		Measurement unit is m2	m ²	4,170.00		
07.K4.02.04.	8.3.6.	Installation of prefabricated berm perimeter channel maid of				
		MB30 reinforced concrete				
		This item includes procurement, transport and installation of				
		prefabricated perimeter channel.				
		Measurement unit is m`	m`	366.00		
07.K4.02.05.	4.4.6	Laying of drainage half-pipes				
		This item includes procurement, preparation, laying and				
		protection of half-pipes against clogging during jet concreting.		155.00		
		Measurement unit is m`	m`	155.00		

07.K4. SUMMARY Slope 4 leftwards from km 878+625 to km 879+090

07.K4.01. PRELIMINARY WORKS		
07.K4.02. WORKS ON SLOPE PROTECTION		
	TOTAL Slope 4 leftwards from km 878+625 to km 879+090(07.K4.):	

07.K5. Slope K5 rightwards from KM 879+450 to km 879+590

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.К5.01.		PRELIMINARY WORKS				
07.K5.01.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum		lump si	ım	
	TOTAL PRELIMINARY WORKS:					

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.К5.02.		WORKS ON SLOPE PROTECTION				
07.K5.02.01.	5.1.	Drilling and installation of SN anchor RØ25				
		This item includes drilling of f42-44 mm holes, procurement,				
		treatment, installation and grouting of 5 m long SN anchor				
		Rf25, placing the concrete base, installation of steel base plate				
		and tightening the nut.				
		Measurement unit is piece	pc.	140.00		
07.K5.02.02.	5.2.	Reinforcement mesh				
		This item includes procurement, transport, cutting and fixing				
		of Q138 reinforcement mesh.				
		Measurement unit is kg	kg	1,090.00		
07.K5.02.03.	5.3.	Placing 5-10 cm thick layer of MMB30 jet concrete				
		This item includes procurement, transport and placing of jet				
		concrete in two layers.				
		Measurement unit is m2	m^2	1,033.00		
07.K5.02.04.	8.3.6.	Installation of prefabricated berm perimeter channel maid of				
		MB30 reinforced concrete				
		This item includes procurement, transport and installation of				
		prefabricated perimeter channel.				
		Measurement unit is m`	m`	292.00		
07.K5.02.05.	4.4.6	Laying of drainage half-pipes				
		This item includes procurement, preparation, laying and				
		protection of half-pipes against clogging during jet concreting.				
		Measurement unit is m`	m`	45.00		
		TOTAL W	ORKS	ON SLOPE P	ROTECTION :	

07.K5. SUMMARY Slope 5 leftwards from km 879+450 to km 879+590

07.K5.01. PRELIMINARY WORKS

07.K5.02. WORKS ON SLOPE PROTECTION

TOTAL Slope 5 leftwards from km 879+450 to km 879+590(07.K5.):

07. Summary Engineering structures	
7.1 Retaining wall 1-rightwarts, from km 873+875 to km 874+ 108 and from 874+119 to km 874+224 , L=357,43m	
7.2 Retaining wall 2-leftwards, from km 875+580 to km 875+618 , L=39,13m	
7.3 Retaining wall 3-leftwards, from km 875+630 to km 875+656, L=26,78m	
7.4 Retaining wall 4-in the central reserve , from km 875+730,40 to km 876+229,09, L=498,69m	
7.5 Supporting structure of reinforced earth 5 -leftwards, from km 875+844 to km 876+085, L=241m	
7.6 Supporting structure of reinforced earth 6 -leftwards, from km 876+202,99 to km 876+228,99, L=26m	
7.8 Supporting structure of reinforced earth 8 -leftwards, from km 876+409,40 to km 876+506,02, L=95m	
7.9 Retaining wall Z9-in the central reserve, from km 878+675 to km 879+025,38, L=350m	
7.10 Supporting structure of reinforced earth 10 -leftwards, from km 878+730 to km 878+829,17, L=101m	
7.11 Supporting structure of reinforced earth 11 -leftwards, from km 879+005 to km 879+120,23, L=117m	
7.12 Retaining wall 12-rightwarts, from km 879+362 to km 879+450,L=88,03m	
7.13 Supporting structure of reinforced earth 13 -leftwards, from km 879+518,01 to km 879+680, L=162m	
7.14 Retaining wall 14-rightwarts, from km 879+590 to 879+773,63, L=183m	
7.M6 Supporting structure of reinforced earth M6 -rightwarts, from km 0+435,30 to km 0+457 (following the centerline of road connecting the parallel road and M1), L=21,70m	
7.K1 Slope 1 rightwarts from km 875+505 to km 876+245	
7.K2 Slope 2 rightwarts from km 876+510 to km 876+745	
7.K3 Slope 3 leftwards from km 875+555 to km 876+685	
7.K4 Slope 4 leftwards from km 878+625 to km 879+090	
7.K5 Slope 5 leftwards from km 879+450 to km 879+590	
SUB-TOTAL	
Unforeseen work (5% of sub-total)	
TOTAL ENGINEERING STRUCTURES (7.):	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.01.01.		EARTH WORKS				
08.01.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	6,044.53		
08.01.01.02	13.2.1	Excavation of foundations in IV category soil and transport of	111	0,044.55		
08.01.01.02	15.2.1	earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 2-4 m	m ³	3,357.36		
08.01.01.04	13.2.2	Extra for excavation of foundations with pumping of 30				
		lit/min - 120 lit/min water.	m ³	4,700.95		
08.01.01.05	13.2.4	Backfilling of pier foundations with earth in 30 cm thick				
		layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	6,199.70		
08.01.01.06	13.2.5	Construction of wedge made of well-graded gravel compacted				
		in 30 cm thick layers to modulus of compressibility Ms=40				
		MPa. It shall be constructed behind the abutments.				
		Payment per m ³ of compacted gravel.	m ³	3564.00		
08.01.01.08	13.2.8	Construction of end slope of material from the cutting or		5507.00	├	
00.01.01.00	additional	borrow pit including mechanical compaction in 30 cm thick				
	specifications	layers, fully as designed.				
	specifications	Payment per m3 of compacted material.	3	201.50		
00.01.01.00			m ³	394.50		
08.01.01.09	11.1.4	Drainage filter layer of gravel behind the wall	3	221.27		
			m ³	231.37		
				TOTAL EAD	RTH WORKS:	
08.01.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by vib				
		· Concrete shall be mixed mechanically and compacted by vio	rating.			
		* Reinforcing bars shall be paid separately, except for bored p				
		* Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately.				
		* Reinforcing bars shall be paid separately, except for bored p	les.			
	13.4.1	 * Reinforcing bars shall be paid separately, except for bored piers cables shall be paid separately. * The price of concrete includes formwork and scaffold. 	les.			
08.01.02.01	13.4.1 13.4.1.3	 * Reinforcing bars shall be paid separately, except for bored parts of the cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete 	les.			
08.01.02.01		 * Reinforcing bars shall be paid separately, except for bored paid separately. * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 	les.			
08.01.02.01	13.4.1.3 additional	 * Reinforcing bars shall be paid separately, except for bored parts of the cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete 	les.	262.90		
08.01.02.01	13.4.1.3 additional specifications	 * Reinforcing bars shall be paid separately, except for bored piers (Cables shall be paid separately). * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. 	work	262.90		
	13.4.1.3 additional specifications 13.4.3	 * Reinforcing bars shall be paid separately, except for bored piers (Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions 	work	262.90		
08.01.02.01 08.01.02.02	13.4.1.3 additional specifications	 * Reinforcing bars shall be paid separately, except for bored piers (Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab 	work	262.90		
	13.4.1.3 additional specifications 13.4.3	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced 	work m ³			
	13.4.1.3 additional specifications 13.4.3 13.4.3.1	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. 	work	262.90 698.34		
	13.4.1.3 additional specifications 13.4.3	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different 	work m ³			
08.01.02.02	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams 	work m ³			
08.01.02.02	13.4.1.3 additional specifications 13.4.3 13.4.3.1	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 	work m ³ m ³	698.34		
08.01.02.02 08.05.02.05	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. 	work m ³			
08.01.02.02 08.05.02.05	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, 	work m ³ m ³ m ³	698.34 854.65		
08.01.02.02 08.05.02.05 08.01.02.05	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. 	work m ³ m ³	698.34		
08.01.02.02	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. Bearing beams of middle piers made of concrete, class II, MB 35, 	les. work m ³ m ³ m ³ m ³	698.34 854.65 59.36		
08.01.02.02 08.05.02.05 08.01.02.05 08.01.02.06	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. Bearing beams of middle piers made of concrete, class II, MB 35, M-150, V-6. 	work m ³ m ³ m ³	698.34 854.65		
08.01.02.02 08.05.02.05 08.01.02.05	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. Bearing beams of middle piers made of concrete, class II, MB 35, M-150, V-6. Top slab culvert reinforced concrete. 	les. work m ³ m ³ m ³ m ³	698.34 854.65 59.36 38.28		
08.01.02.02 08.05.02.05 08.01.02.05 08.01.02.06 08.01.02.07	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. Bearing beams of middle piers made of concrete, class II, MB 40, M-150, V-6. Top slab culvert reinforced concrete. Concrete class II, MB35, M-150, V-6 	les. work m ³ m ³ m ³ m ³	698.34 854.65 59.36		
08.01.02.02 08.05.02.05 08.01.02.05 08.01.02.06 08.01.02.07	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. Bearing beams of middle piers made of concrete, class II, MB 35, M-150, V-6. Top slab culvert reinforced concrete. Concrete class II, MB35, M-150, V-6 Reinforced concrete of wings, front parapet and masks. 	les. work m ³ m ³ m ³ m ³ m ³	698.34 854.65 59.36 38.28 388.98		
08.01.02.02 08.05.02.05 08.01.02.05 08.01.02.06 08.01.02.07 08.01.02.08	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. Bearing beams of middle piers made of concrete, class II, MB 35, M-150, V-6. Top slab culvert reinforced concrete. Concrete class II, MB35, M-150, V-6 Reinforced concrete of wings, front parapet and masks. Concrete class II MB 35, M-150, V-6 	les. work m ³ m ³ m ³ m ³	698.34 854.65 59.36 38.28		
08.01.02.02 08.05.02.05 08.01.02.05 08.01.02.06	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M-150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. Top slab culvert reinforced concrete. Concrete class II, MB35, M-150, V-6 Reinforced concrete of wings, front parapet and masks. Concrete class II MB 35, M-150, V-6 Cornices at footway level (including inspection manholes) 	les. work m ³ m ³ m ³ m ³ m ³	698.34 854.65 59.36 38.28 388.98		
08.01.02.02 08.05.02.05 08.01.02.05 08.01.02.06 08.01.02.07 08.01.02.08	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. Bearing beams of middle piers made of concrete, class II, MB 35, M-150, V-6. Top slab culvert reinforced concrete. Concrete class II, MB35, M-150, V-6 Reinforced concrete of wings, front parapet and masks. Concrete class II MB 35, M-150, V-6 	les. work m ³ m ³ m ³ m ³ m ³ m ³	698.34 854.65 59.36 38.28 388.98 73.40		
08.01.02.02 08.05.02.05 08.01.02.05 08.01.02.06 08.01.02.07 08.01.02.08 08.01.02.09	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. Bearing beams of middle piers made of concrete, class II, MB 35, M-150, V-6. Top slab culvert reinforced concrete. Concrete class II, MB35, M-150, V-6 Reinforced concrete of wings, front parapet and masks. Concrete class II MB 35, M-150, V-6 Cornices at footway level (including inspection manholes) cast in situ. Concrete class II MB 40, M-150, V-6 	les. work m ³ m ³ m ³ m ³ m ³	698.34 854.65 59.36 38.28 388.98		
08.01.02.02 08.05.02.05 08.01.02.05 08.01.02.06 08.01.02.07 08.01.02.08 08.01.02.09	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M-150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. Top slab culvert reinforced concrete. Concrete class II, MB35, M-150, V-6 Reinforced concrete of wings, front parapet and masks. Concrete class II MB 35, M-150, V-6 Cornices at footway level (including inspection manholes) 	les. work m ³ m ³ m ³ m ³ m ³ m ³ m ³	698.34 854.65 59.36 38.28 388.98 73.40 108.03		
08.01.02.02 08.05.02.05 08.01.02.05 08.01.02.06 08.01.02.07 08.01.02.08 08.01.02.09	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. Bearing beams of middle piers made of concrete, class II, MB 35, M-150, V-6. Top slab culvert reinforced concrete. Concrete class I, MB35, M-150, V-6 Reinforced concrete of wings, front parapet and masks. Concrete class II ME 35, M-150, V-6 Cornices at footway level (including inspection manholes) cast in situ. Concrete class II MB 40, M-150, V-6 Crossing slabs made of concrete MB 30, M-150, V-6 	les. work m ³ m ³ m ³ m ³ m ³ m ³	698.34 854.65 59.36 38.28 388.98 73.40		
08.01.02.02 08.05.02.05 08.01.02.05 08.01.02.06 08.01.02.07 08.01.02.08 08.01.02.09 08.01.02.10	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.4 13.4.3.4	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. Bearing beams of middle piers made of concrete, class II, MB 35, M-150, V-6. Top slab culvert reinforced concrete. Concrete class II MB 35, M-150, V-6 Reinforced concrete of wings, front parapet and masks. Concrete class II ME 35, M-150, V-6 Cornices at footway level (including inspection manholes) cast in situ. Concrete class II MB 40, M-150, V-6 Crossing slabs made of concrete MB 30, M-150, V-6 Prestressed bridge constructions 	les. work m ³ m ³ m ³ m ³ m ³ m ³ m ³	698.34 854.65 59.36 38.28 388.98 73.40 108.03		
08.01.02.02 08.05.02.05 08.01.02.05 08.01.02.06 08.01.02.07 08.01.02.08	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. Bearing beams of middle piers made of concrete, class II, MB 35, M-150, V-6. Reinforced concrete of wings, front parapet and masks. Concrete class II MB 35, M-150, V-6 Reinforced concrete class II MB 35, M-150, V-6 Cornices at footway level (including inspection manholes) cast in situ. Concrete class II MB 40, M-150, V-6 Crossing slabs made of concrete MB 30, M-150, V-6 Prestressed bridge constructions Prestressed box bridge construction cast in situ. 	les. work m ³ m ³ m ³ m ³ m ³ m ³ m ³ m ³	698.34 854.65 59.36 38.28 388.98 73.40 108.03 43.24		
08.01.02.02 08.05.02.05 08.01.02.05 08.01.02.06 08.01.02.07 08.01.02.08 08.01.02.09 08.01.02.10 08.01.02.11	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.4 13.4.3.4	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. Bearing beams of middle piers made of concrete, class II, MB 35, M-150, V-6. Top slab culvert reinforced concrete. Concrete class II MB 35, M-150, V-6 Reinforced concrete of wings, front parapet and masks. Concrete class II MB 35, M-150, V-6 Cornices at footway level (including inspection manholes) cast in situ. Concrete class II MB 40, M-150, V-6 Crossing slabs made of concrete MB 30, M-150, V-6 Prestressed bridge construction cast in situ. Concrete class II MB 45, M-150, V-3 	les. work m ³ m ³ m ³ m ³ m ³ m ³ m ³	698.34 854.65 59.36 38.28 388.98 73.40 108.03		
08.01.02.02 08.05.02.05 08.01.02.05 08.01.02.06 08.01.02.07 08.01.02.08 08.01.02.09 08.01.02.10 08.01.02.11	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.4 13.4.3.4	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. Bearing beams of middle piers made of concrete, class II, MB 35, M-150, V-6. Top slab culvert reinforced concrete. Concrete class II, MB35, M-150, V-6 Reinforced concrete of wings, front parapet and masks. Concrete class II ME 35, M-150, V-6 Cornices at footway level (including inspection manholes) cast in situ. Concrete class II MB 40, M-150, V-6 Crossing slabs made of concrete MB 30, M-150, V-6 Prestressed bridge construction cast in situ. Concrete class II MB 45, M-150, V-3 Concrete works on retaining structure. Concrete class II MB 	les. work m ³ m ³ m ³ m ³ m ³ m ³ m ³ m ³	698.34 854.65 59.36 38.28 388.98 73.40 108.03 43.24 1,391.74		
08.01.02.02 08.05.02.05 08.01.02.05 08.01.02.06 08.01.02.07 08.01.02.08 08.01.02.09 08.01.02.10	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.4 13.4.3.4	 * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Middle pier bodies constructed of concrete, class II, MB 35, M-150, V-6. Bearing beams of middle piers made of concrete, class II, MB 35, M-150, V-6. Top slab culvert reinforced concrete. Concrete class II MB 35, M-150, V-6 Reinforced concrete of wings, front parapet and masks. Concrete class II MB 35, M-150, V-6 Cornices at footway level (including inspection manholes) cast in situ. Concrete class II MB 40, M-150, V-6 Crossing slabs made of concrete MB 30, M-150, V-6 Prestressed bridge construction cast in situ. Concrete class II MB 45, M-150, V-3 	les. work m ³ m ³ m ³ m ³ m ³ m ³ m ³ m ³	698.34 854.65 59.36 38.28 388.98 73.40 108.03 43.24 1,391.74 1,000.00	ETE WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.01.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and constructions				
		* The price includes procurement, cutting, bending and fixing				
		of reinforcing bars in the construction, fully as designed.				
08.01.03.01	13.5.1	Smooth rebars GA 240/360	kg	190.00		
08.01.03.02	13.5.1		0			
00.01.05.02	15.5.1	Ribbed rebars RA 400/500-2	kg	537,317.0		
		Metal works in prestressed concrete	**5	557,517.0		
		* The price includes procurement, fixing and tensioning.				
08.01.03.03	13.5.2	Patented high-strength prestressing strands with all anchors,	t r			
08.01.03.03	15.5.2		1.0	<u> 91 440 00</u>		
00.01.02.04	12.6	base plates and protective tubes for cables	kg	81,449.00		
08.01.03.04	13.6	Expansion joints - procurement and installation as designed.		10 76		
			m'	49.76		
08.01.03.05	13.7	S-7 gullies of cast iron, procurement and installation as				
		designed.	pc.	14.00		
08.01.03.06	13.8.2	- tubular fences or fences made of steel sections				
			kg	4,578.00		
08.01.03.07	13.9	Bridge bearings	I T			
		Neotopf	pc.	12.00		
				TOTAL M	IETAL WORK	
00.01.04	12.1	EINIGHING AND CUNDDY WODZG ON DDIDGEG				
08.01.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES	, ,		I	
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
		installation as designed.				
		along the highway, 13/20 MB 40	m'	378.80		
08.01.04.02	13.10.2	Insulating coat on pavement top				
			m ²	2530.07		
08.01.04.03	13.10.3	Applying one layer of bitulite and one layer of hot bitumen				
		onto concrete surfaces in contact with earth.	m ²	2,596.44		
08.01.04.04	13.10.4	Bituminous pavement base course, BNHS 16A, 5 cm thick				
		1	m ²	2,044.00		
08.01.04.05	13.10.4	Pavement wearing course of skeleton mastic asphalt				
00101101102	1011011	SMA 0/11S, 4cm thick	m ²	2044.00		
09.01.04.06	12 11 0		III	2044.00		
08.01.04.06	13.11.2	Epoxy and polyurethane preservative on footways	m ²	400.41		
			m	488.41		
08.01.04.07	13.10.8	Fitting and sealing joints with elastic bituminous sealing				
		compound ('livobit) on asphalt next to curbs and cornices at		0.57		
		footway level and next to expansion joints	m'	857.60		
08.01.04.08	13.11.8	Construction of cementitious grouting mortar beds				
	additional					
	specifications		m ²	13.76		
08.01.04.09	13.11.1	Laying PVC pipes into footways (cat walks),				
		Ø110 mm	m'	756.00		
08.01.04.10	13.7.2	Cast iron pipes for gully water discharge including all fixing			1	
		accessories.	m'	200.00		
08.01.04.11	13.10.5	Trial loading of constructed bridge.		200.00		
00.01.04.11	15.10.5	The found of constructed offuge.		lump su	m	
08.01.04.12	13.10.6	Photographing during bridge construction		Tump su		
00.01.04.12	13.10.0	r notographing during bridge construction		luma con	m	
09 01 04 12	11141	Dissuis mines (100 mm	 	lump su		
08.01.04.13	11.1.4.1	Plastic pipes Ø100 mm		50.5		
			m'	59.5	 	
08.01.04.14	11.1.4.2	Perforate plastic pipes for drainage Ø200 mm				
		1	m'	91.2		
		TOTAL FINISHING AN	D SUND	RY WORKS	ON BRIDGES:	
08 01 05	2	PRELIMINARY WORKS				
08.01.05.	2		1			
08.01.05.01	2.5	Demolition of existing construction		1		
			1	lump su	m	
			1		ARY WORKS:	

Summary bridge at km 874+286.563:	
08.01.01. EARTH WORKS	
08.01.02. CONCRETE	
08.01.03. METALWORK	
08.01.04 FINISHING AND SUNDRY WORKS ON BRIDGES	
08.01.05 PRELIMINARY WORKS	
Total bridge at km 874+286.563:	

08.02. Overpass at km 874+080.470

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.02.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.02.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	432.40		
			3			
		- at depth of 2-4 m	m ³	257.80		
		- at depth of 4-6 m	m ³	257.80		
			m ³	208.20		
08.02.01.02	13.2.1	- at depth over 6 m Excavation of foundations in V category soil and transport of	m	298.20		
08.02.01.02	13.2.1	earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
			3			
00.00.01.05	10.0.0	- at depth over 6 m	m ³	148.20		
08.02.01.03	13.2.2	Extra for excavation of foundations with pumping of 30	m ³	697.20		
08.02.01.04	13.2.4	lit/min - 120 lit/min water. Backfilling of pier foundations with earth in 30 cm thick	111	097.20	╂────┤	
00.02.01.04	13.2.4	layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
		Payment per m^3 of compacted earth.	m ³	165.00		
08.02.01.05	13.2.5	Construction of wedge made of well-graded gravel compacted		105.00		
00102101100	101210	in 30 cm thick layers to modulus of compressibility Ms=40				
		MPa. It shall be constructed behind the abutments.				
		Payment per m ³ of compacted gravel.	m ³	588.00		
08.02.01.06	13.2.9 additional	Placing 80 cm thick cover protecting a gravel wedge made of				
	specifications	gravel sand where top 30 cm shall be stabilized with cement				
		and bottom 50 cm compacted in two layers to modulus of				
		compressibility Ms=40 MPa.				
		Payment per m ³ of compacted gravel.	m ³	74.00		
08.02.01.07	13.4.2	Construction of Ø120 cm piles with concrete, class MB 30, M				
		150, V-3. Payment per m' of completed pile.	m'	96.00		
				TOTAL EA	RTH WORKS:	
08.02.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by vib				
		* Reinforcing bars shall be paid separately, except for bored p	iles.			
		* Cables shall be paid separately. * The price of concrete includes formwork and scaffold.				
		* The price of concrete includes formwork and scatfold. * Payment per m ³ of placed concrete for completely performed	work			
	13.4.1	Plain concrete	WOIK			
08.02.02.01	13.4.1.1	Foundation of end slope wall made of concrete, class I MB25.	<u>†</u> т			
55.52.02.01		-	m ³	25.70		
08.02.02.02	13.4.1.2	Lining of end slopes with concrete plates (60'40'12 cm) MB				
		40, M-150, V-3	m ²	113.42		
08.02.02.03	13.4.1.3	Blinding layer, 10 cm thick, made of concrete, class I MB 15				
	additional	under foundation, pile caps and crossing slabs.		100.50		
	specifications		m ³	109.50		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
	13.4.3	Reinforced concrete constructions				
08.02.02.04	13.4.3.1	Strip foundations, foundations for wings, counter-beams, slab				
		foundations, cushions and pile caps made of reinforced	3	250.20		
	10 4 0 0	concrete, class III MB 30, M-150, V-6.	m ³	359.20		
	13.4.3.2	Piers supporting plain spanning constructions of different systems and bearing beams				
08.02.02.05	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30, M-				
00.02.02.03	13.4.3.2	150, V-6.	m ³	55.44		
08.02.02.06	13.4.3.2	Abutment wing walls made of concrete, class II, MB 30, M-				
		150, V-6.	m ³	50.05		
08.02.02.07	13.4.3.2	Bearing beams of abutment made of concrete, class II, MB	3			
		30, M-150, V-6.	m ³	87.82		
08.02.02.08	13.4.3.2	Abutment parapets constructed of concrete, class II, MB 30,	m ³	32.82		
08.02.02.09	13.4.3.2	M-150, V-6. Pedestrian cantilever walkway at abutment wing walls	111	32.82		
00.02.02.09	15.4.5.2	constructed of concrete, class II, MB 30, M-150, V-6.	m ³	6.40		
08.02.02.10	13.4.3.2	Masking covers of abutments and middle piers made of				
		concrete, class II, MB 30, M-150, V-6.	m ³	3.01		
08.02.02.11	13.4.3.2	Middle pier bodies constructed of concrete, class II, MB 40,	2			
		M-150, V-6.	m ³	39.35		
08.02.02.12	13.4.3.3	Cross girders made of reinforced concrete, class II, MB 30, M	m ³	92.15		
08.02.02.13	13.4.3.4	150, V-6. Cornices at footway level (including inspection manholes)	111	83.15		
00.02.02.15	15.4.5.4	cast in situ. Concrete class II MB 40, M-150, V-6				
			m ³	61.10		
08.02.02.14	13.4.3.5	Crossing slabs made of concrete MB 30, M-150, V-6	2			
			m ³	18.02		
08.02.02.15	13.4.3.4	Masking covers of cornices at footway level made of concrete	, m ³	15.80		
08.02.02.16	13.4.4	class II, MB 45, M-150, V-8. Prestressed box bridge construction cast in situ.	111	15.80		
00.02.02.10	15.4.4	r resuessed box bridge construction cast in situ.	m ³	764.20		
			т	DTAL CONCR	ETE WORKS:	
08.02.03.	13.5	METALWORK				
00.02.03.	10.0	Reinforcing bars in concrete members and constructions				
		* The price includes procurement, cutting, bending and fixing				
		of reinforcing bars in the construction, fully as designed.				
		of reinforcing bars in the construction, fully as designed.				
00.00.00.01	10 5 1		1			
08.02.03.01	13.5.1	Ribbed rebars RA 400/500-2	ka	190 727 11		
08.02.03.01	13.5.1	Ribbed rebars RA 400/500-2	kg	180,737.11		
08.02.03.01		Ribbed rebars RA 400/500-2 Metal works in prestressed concrete	kg	180,737.11		
	13.5.2	Ribbed rebars RA 400/500-2	kg	180,737.11		
08.02.03.01 08.02.03.02		Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables	kg kg	180,737.11 44,795.42		
	13.5.2	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed,	kg	44,795.42		
08.02.03.02 08.02.03.03	13.5.2 13.5.2 13.6	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100.				
08.02.03.02	13.5.2 13.5.2	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as	kg m'	44,795.42 21.20		
08.02.03.02 08.02.03.03	13.5.2 13.5.2 13.6 13.7	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as designed.	kg	44,795.42		
08.02.03.02 08.02.03.03	13.5.2 13.5.2 13.6 13.7 13.8	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as	kg m'	44,795.42 21.20		
08.02.03.02 08.02.03.03 08.02.03.04	13.5.2 13.5.2 13.6 13.7	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences:	kg m' pc.	44,795.42 21.20 5.00		
08.02.03.02 08.02.03.03 08.02.03.04 08.02.03.05 08.02.03.06	13.5.2 13.5.2 13.6 13.7 13.8 13.8.1 13.8.2	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences:	kg m' pc.	44,795.42 21.20 5.00		
08.02.03.02 08.02.03.03 08.02.03.04 08.02.03.05	13.5.2 13.5.2 13.6 13.7 13.8 13.8.1	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: -H2W4 - tubular fences or fences made of steel sections	kg m' pc. m' kg	44,795.42 21.20 5.00 219.80 4,479.10		
08.02.03.02 08.02.03.03 08.02.03.04 08.02.03.05 08.02.03.06 08.02.03.07	13.5.2 13.5.2 13.6 13.7 13.8 13.8.1 13.8.2 13.8.3	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: -H2W4 - tubular fences or fences made of steel sections -protective mesh	kg m' pc. m'	44,795.42 21.20 5.00 219.80		
08.02.03.02 08.02.03.03 08.02.03.04 08.02.03.05 08.02.03.06	13.5.2 13.5.2 13.6 13.7 13.8 13.8.1 13.8.2	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: -H2W4 - tubular fences or fences made of steel sections -protective mesh Bridge bearings	kg m' pc. m' kg	44,795.42 21.20 5.00 219.80 4,479.10		
08.02.03.02 08.02.03.03 08.02.03.04 08.02.03.05 08.02.03.06 08.02.03.07	13.5.2 13.5.2 13.6 13.7 13.8 13.8.1 13.8.2 13.8.3	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: -H2W4 - tubular fences or fences made of steel sections -protective mesh	kg m' pc. m' kg	44,795.42 21.20 5.00 219.80 4,479.10		
08.02.03.02 08.02.03.03 08.02.03.04 08.02.03.05 08.02.03.06 08.02.03.07	13.5.2 13.5.2 13.6 13.7 13.8 13.8.1 13.8.2 13.8.3	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: -H2W4 - tubular fences or fences made of steel sections -protective mesh Bridge bearings	kg m' pc. m' kg kg	44,795.42 21.20 5.00 219.80 4,479.10 3,441.82 4.00	ETAL WORK	
08.02.03.02 08.02.03.03 08.02.03.04 08.02.03.05 08.02.03.06 08.02.03.07 08.02.03.08	13.5.2 13.5.2 13.6 13.7 13.8 13.8.1 13.8.2 13.8.3 13.9	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: -H2W4 - tubular fences or fences made of steel sections -protective mesh Bridge bearings	kg m' pc. m' kg kg	44,795.42 21.20 5.00 219.80 4,479.10 3,441.82 4.00	ETAL WORK	
08.02.03.02 08.02.03.03 08.02.03.04 08.02.03.05 08.02.03.06 08.02.03.07	13.5.2 13.5.2 13.6 13.7 13.8 13.8.1 13.8.2 13.8.3	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: -H2W4 - tubular fences or fences made of steel sections -protective mesh Bridge bearings NGe400,NGa400	kg m' pc. m' kg kg	44,795.42 21.20 5.00 219.80 4,479.10 3,441.82 4.00	ETAL WORK	
08.02.03.02 08.02.03.03 08.02.03.04 08.02.03.05 08.02.03.06 08.02.03.07 08.02.03.08	13.5.2 13.5.2 13.6 13.7 13.8 13.8.1 13.8.2 13.8.3 13.9	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: -H2W4 - tubular fences or fences made of steel sections -protective mesh Bridge bearings NGe400,NGa400	kg m' pc. m' kg kg	44,795.42 21.20 5.00 219.80 4,479.10 3,441.82 4.00	ETAL WORK	
08.02.03.02 08.02.03.03 08.02.03.04 08.02.03.05 08.02.03.06 08.02.03.07 08.02.03.08 08.02.03.08	13.5.2 13.5.2 13.6 13.7 13.8 13.8.1 13.8.2 13.8.3 13.9	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: -H2W4 - tubular fences or fences made of steel sections -protective mesh Bridge bearings NGe400,NGa400 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed.	kg m' pc. m' kg kg	44,795.42 21.20 5.00 219.80 4,479.10 3,441.82 4.00	ETAL WORK	
08.02.03.02 08.02.03.03 08.02.03.04 08.02.03.05 08.02.03.06 08.02.03.07 08.02.03.08	13.5.2 13.5.2 13.6 13.7 13.8 13.8.1 13.8.2 13.8.3 13.9	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: -H2W4 - tubular fences or fences made of steel sections -protective mesh Bridge bearings NGe400,NGa400 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs	kg m' pc. m' kg kg pc.	44,795.42 21.20 5.00 219.80 4,479.10 3,441.82 4.00 TOTAL M	ETAL WORK	
08.02.03.02 08.02.03.03 08.02.03.04 08.02.03.05 08.02.03.06 08.02.03.07 08.02.03.08 08.02.04.01	13.5.2 13.5.2 13.6 13.7 13.8 13.8.1 13.8.2 13.8.3 13.9 13.10	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: -H2W4 - tubular fences or fences made of steel sections -protective mesh Bridge bearings NGe400,NGa400 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40	kg m' pc. m' kg kg	44,795.42 21.20 5.00 219.80 4,479.10 3,441.82 4.00	ETAL WORK	
08.02.03.02 08.02.03.03 08.02.03.04 08.02.03.05 08.02.03.06 08.02.03.07 08.02.03.08 08.02.03.08	13.5.2 13.5.2 13.6 13.7 13.8 13.8.1 13.8.2 13.8.3 13.9	Ribbed rebars RA 400/500-2 Metal works in prestressed concrete * The price includes procurement, fixing and tensioning. Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as designed, MT100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: -H2W4 - tubular fences or fences made of steel sections -protective mesh Bridge bearings NGe400,NGa400 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs	kg m' pc. m' kg kg pc.	44,795.42 21.20 5.00 219.80 4,479.10 3,441.82 4.00 TOTAL M	ETAL WORK	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.02.04.03	13.10.3	Applying one layer of bitulite and one layer of hot bitumen				
		onto concrete surfaces in contact with earth.	m^2	546.30		
08.02.04.04	13.10.4	Bituminous pavement base course, BNHS 16A, 5 cm thick	2			
			m^2	658.00		
08.02.04.05	13.10.4	Pavement wearing course of skeleton mastic asphalt				
		SMA 0/11S, 4cm thick	m ²	658.00		
08.02.04.06	13.10.5	Trial loading of constructed bridge.				
				lump su	m	
08.02.04.07	13.10.6	Photographing during bridge construction				
				lump su	m	
08.02.04.08	13.10.8	Fitting and sealing joints with elastic bituminous sealing				
		compound ('livobit) on asphalt next to curbs and cornices at				
		footway level and next to expansion joints	m'	21.20		
08.02.04.09	13.11.1	Laying PVC pipes into footways (cat walks), Æ110 mm				
			m'	594.00		
08.02.04.10	13.11.2	Epoxy and polyurethane preservative on footways	2			
			m^2	382.00		
		TOTAL FINISHING AN	ID SUNI	ORY WORKS	ON BRIDGES:	
08.02.05.	2	PRELIMINARY WORKS				
08.02.05.01	2.5	Demolition of existing construction				
				lump su	m	
			тота	L PRELIMIN	ARY WORKS:	

Summary Overpass at km 874+080.470	
08.02.01 EARTH WORKS	
08.02.02. CONCRETE	
08.02.03. METALWORK	
08.02.04 FINISHING AND SUNDRY WORKS ON BRIDGES	
08.02.05 PRELIMINARY WORKS	
Total Overpass at km 874+080.	.470:

08.03. Bridge at km 875+371.465

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.03.01	13.2	EARTH WORKS				
		Excavation for foundations				
08.03.01.01	13.2.1	Excavation of foundations in IV category soil and transport of				
		earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	1,380.60		
		- at depth of 2-4 m	m ³	1,907.88		
08.03.01.02	13.2.1	Excavation of foundations in V category soil and transport of				
		earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 4-6 m	m ³	1,436.64		
		• •				
		- at depth over 6 m	m ³	4,772.28		
08.03.01.03	13.2.2	Extra for excavation of foundations with pumping of 30	2			
		lit/min - 120 lit/min water.	m ³	2,638.89		
08.03.01.04	13.2.3	Excavation of Trenches and Channels Less than 1.5 m Wide	3	10.50		
00.02.01.05	10.0.4	and Less than 2.0 m Deep	m ³	19.60		
08.03.01.05	13.2.4	Backfilling of pier foundations with earth in 30 cm thick				
		layers including compaction of layers to modulus of compressibility Ms=30 MPa.				
		Payment per m^3 of compacted earth.	m ³	2.016.20		
08.03.01.06	13.2.5	Construction of wedge made of well-graded gravel compacted		2,016.30		
08.03.01.06	13.2.3	in 30 cm thick layers to modulus of compressibility Ms=40				
		MPa. It shall be constructed behind the abutments.				
		in a. It shan be constructed benniti the abuthents.				
		Payment per m ³ of compacted gravel.	m ³	1,283.10		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.03.01.07		Construction of end slope of material from the cutting or				
	specifications	borrow pit including mechanical compaction in 30 cm thick				
		layers, fully as designed.	2			
		Payment per m3 of compacted material.	m ³	87.70		
08.03.01.08	13.4.2	Construction of Ø90 cm piles with concrete, class MB 30, M-		120.00		
		150, V-3. Payment per m' of completed pile.	m'	120.00		
				TOTAL EAD	RTH WORKS:	
08.03.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by vib				
		* Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately.	les.			
		* The price of concrete includes formwork and scaffold.				
		* Payment per m ³ of placed concrete for completely performed	work			
	13.4.1	Plain concrete				
08.03.02.01	13.4.1.1	Foundation of end slope wall made of concrete, class I MB25.				
		-	m ³	8.20		
08.03.02.02	13.4.1.2	Lining of end slopes with concrete plates (60'40'12 cm) MB	2			
		40, M-150, V-3	m ²	63.00		
08.03.02.03	13.4.1.3	Blinding layer, 15 cm thick, made of concrete, class I MB 15				
	additional	under foundation, pile caps and crossing slabs.	3	72.20		
00 02 02 04	specifications	Foundation mode of plain concepts, alors I MD 25. Dr.	m ³	72.30		
08.03.02.04	13.1.4.1 additional	Foundation made of plain concrete, class I, MB 25. Payment per m3 of concrete.				
	specifications	per m5 of concrete.	m ³	842.40		
08.03.02.05	13.4.3.1	Strip foundations, foundations for wings, counter-beams, slab		012.10		
00100102100	10111011	foundations, cushions and pile caps made of reinforced				
		concrete, class III MB 30, M-150, V-6.	m ³	1,015.70		
08.03.02.06	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30, M-	-			
		150, V-6.	m ³	288.70		
08.03.02.07	13.4.3.2	Abutment wing walls made of concrete, class II, MB 30, M-	3			
		150, V-6.	m ³	9.80		
08.03.02.08	13.4.3.2	Abutment parapets constructed of concrete, class II, MB 30,	m ³	016.50		
08.03.02.09	13.4.3.2	M-150, V-6. Pedestrian cantilever walkway at abutment wing walls	m	216.50		
08.03.02.09	13.4.3.2	constructed of concrete, class II, MB 30, M-150, V-6.	m ³	4.24		
08.03.02.10	13.4.3.2	Masking covers of abutments and middle piers made of		1.21		
00102110	10111012	concrete, class II, MB 30, M-150, V-6.	m ³	73.08		
08.03.02.11	13.4.3.2	Middle pier bodies constructed of concrete, class II, MB 50,				
		M-150, V-6.	m ³	242.00		
08.03.02.12	13.4.3.2	Abutment and middle pier caps made of concrete, class II,	2			
		MB 30, M-150, V-6.	m ³	2.70		
08.03.02.13	13.4.3.2	Wing walls constructed of reinforced concrete, class II MB	m ³	242 70		
08 02 02 14	13.4.3.4	30, M-150, V-6 Cornices at footway level (including inspection manholes)	m	242.70		
08.03.02.14	13.4.3.4	cast in situ. Concrete class II MB 40, M-150, V-6				
		Cast III SILU. CONCICIC CIASS II IVID 40, IVI-130, V-0	m ³	197.90		
08.03.02.15	13.4.3.5	Crossing slabs made of concrete MB 30, M-150, V-6		171.70		
			m ³	50.80		
08.03.02.16	13.4.3.4	Masking covers of cornices at footway level made of concrete,				
		class II, MB 45, M-150, V-8.	m ³	67.10		
	13.4.4	Prestressed bridge constructions				
08.03.02.17	13.4.4	Prestressed box bridge construction cast in situ.	3	1 1		
		Concrete class II MB 50, M-150, V-3	m ³	4,664.30	I	
			T	OTAL CONCR	ETE WORKS:	
08.03.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and constructions				
		* The price includes procurement, cutting, bending and fixing	of reinfo	orcing bars in the	e construction,	
00.02.02.01	10.5.1	fully as designed.	<u> </u>		1	[
08.03.03.01	13.5.1	Ribbed rebars RA 400/500-2	1	700 705 (1		
		Metal works in prestressed concrete	kg	799,795.61	1	
	13.5.2	* The price includes procurement, fixing and tensioning.				
	15.5.4	The price menues procurement, fixing and tensioning.				

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.03.03.02	13.5.2	Patented high-strength prestressing strands with all anchors,				
		base plates and protective tubes for cables	kg	227,482.00		
08.03.03.03	13.6	Expansion joints - procurement and installation as designed,				
		MT160	m'	52.20		
08.03.03.04	13.7	S-7 gullies of cast iron, procurement and installation as				
		designed.	pc.	30.00		
	13.8	Steel bridge fences:				
08.03.03.05	13.8.2	- tubular fences or fences made of steel sections				
			kg	10,010.50		
08.03.03.06	13.9	Bridge bearings				
		N	pc.	4.00		
		Nge	pc.	8.00		
			1			
		Nga	pc.	4.00		
08.03.03.07	13.10.	Steel plates				
00.05.05.07	15.10.	Steer plates	m ²	1,152.00		
	l				FTAL WODE	
				IOIAL M	ETAL WORK	
08.03.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and installation	n as desi	gned.		
08.03.04.01	13.10.1	Concrete or stone curbs				
		along the highway, 13/20 MB 40	m'	932.30		
08.03.04.02	13.10.2	Insulating coat on pavement top				
			m ²	4,866.75		
08.03.04.03	13.10.3	Applying one layer of bitulite and one layer of hot bitumen				
		onto concrete surfaces in contact with earth.	m ²	2,656.00		
08.03.04.04	13.10.4	Bituminous pavement base course, BNHS 16A, 5 cm thick				
		1 , , ,	m^2	4,565.03		
08.03.04.05	13.10.4	Pavement wearing course of skeleton mastic asphalt				
		SMA 0/11S, 4cm thick	m ²	4,565.03		
08.03.04.06	13.10.5	Trial loading of constructed bridge.	m	1,505.05		
08.03.04.00	15.10.5	That loading of constructed bridge.		lump su	m	
08 02 04 07	13.10.6	Photographing during bridge construction		Tunp su	11	
08.03.04.07	13.10.0	Photographing during bridge construction		lump ou	~	
00 02 04 00	12 10 9	Eitting and appling joints with classic hituminana appling	+ 1	lump su	11	
08.03.04.08	13.10.8	Fitting and sealing joints with elastic bituminous sealing				
		compound ('livobit) on asphalt next to curbs and cornices at		2 121 60		
00.02.04.00	12 11 1	footway level and next to expansion joints	m'	2,431.60		
08.03.04.09	13.11.1	Laying PVC pipes into footways (cat walks), Æ110 mm		1 410 00		
00.00.01.10	10.11.0		m'	1,410.90	├	
08.03.04.10	13.11.2	Epoxy and polyurethane preservative on footways	2			
	10		m ²	1,215.80		
08.03.04.11	13.11.8	Construction of cementitious grouting mortar beds				
	additional		2	-0.00		
	specifications		m^2	50.00		
		TOTAL FINISHING AN	D SUNI	ORY WORKS	ON BRIDGES:	
08.03.05.	2	PRELIMINARY WORKS				
08.03.05.01	2.5	Demolition of existing construction	T		I	
08.05.05.01	2.5	Demonuon of existing construction		1	~	
	l			lump su		
					ARY WORKS:	

Summary bridge at km 875+371.465	
08.03.01 EARTH WORKS	
08.03.02 CONCRETE	
08.03.03 METALWORK	
08.03.04 FINISHING AND SUNDRY WORKS ON BRIDGES	
08.03.05 PRELIMINARY WORKS	
Total bridge at km 875+371.465:	

Item No.	at km 876+319.1 T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.04.01.	13.2	EARTH WORKS		Zumming	Chieffice	- vui
00.04.01.	13.2					
		Excavation for foundations	, , ,			
08.04.01.01	13.2.1	Excavation of foundations in IV category soil and transport of				
		earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
			2			
		- at depth of 0-2 m	m ³	2,684.00		
		- at depth of 2-4 m	m ³	7,910.00		
08.04.01.02	13.2.1	Excavation of foundations in V category soil and transport of		7,710.00		
08.04.01.02	15.2.1					
		earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 4-6 m	m ³	2 022 00		
			m	2,022.00		
			2			
		- at depth over 6 m	m ³	2,509.00		
08.04.01.03	13.2.2	Extra for excavation of foundations with pumping of 30				
0010 1101100	101212	lit/min - 120 lit/min water.	m ³	1,030.00		
00 04 01 04	12.2.2	Excavation of Trenches and Channels Less than 1.5 m Wide	m	1,050.00		
08.04.01.04	13.2.3		3	01.70		
		and Less than 2.0 m Deep	m ³	21.70		
08.04.01.05	13.2.4	Backfilling of pier foundations with earth in 30 cm thick				
		layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
			3	10 100 00		
		Payment per m ³ of compacted earth.	m ³	13,103.00		
08.04.01.06	13.2.5	Construction of wedge made of well-graded gravel compacted				
		in 30 cm thick layers to modulus of compressibility Ms=40				
		MPa. It shall be constructed behind the abutments.				
		wir a. it shall be constructed benning the abuthents.				
		2				
		Payment per m ³ of compacted gravel.	m ³	1,425.00		
08.04.01.07	13.2.8 additional	Construction of end slope of material from the cutting or				
	specifications	borrow pit including mechanical compaction in 30 cm thick				
	specifications					
		layers, fully as designed.				
		Payment per m3 of compacted material.	m ³	14.70		
				TOTAL EA		
					KIH WORKSI	
				IUIAL EAD	RTH WORKS:	
08.04.02.	13.4	CONCRETE		IOTAL EAD	RTH WORKS:	
08.04.02.	13.4			TOTAL EA	KIH WOKKS:	
08.04.02.	13.4	This shall apply to all items:	ratino	IOTAL EA	KIH WORKS:	
08.04.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib		TOTAL EA	KIH WORKS:	
08.04.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored p		TOTAL EA	KIH WORKS:	
08.04.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored parts * Cables shall be paid separately.				
08.04.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored p			KIH WOKKS:	
08.04.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored parts * Cables shall be paid separately.	les.		KIH WOKKS:	
08.04.02.		This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed	les.		KIH WOKKS:	
	13.4.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete	les.			
08.04.02. 08.04.02.01		This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed	work			
08.04.02.01	13.4.1 13.4.1.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25.	les.	8.60		
	13.4.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete	work m ³	8.60		
08.04.02.01	13.4.1 13.4.1.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60'40'12 cm) MB	work		KIH WOKKS:	
08.04.02.01 08.04.02.02	13.4.1 13.4.1.1 13.4.1.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60′40′12 cm) MB 40, M-150, V-3	work m ³	8.60		
08.04.02.01	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60'40'12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15	work m ³	8.60		
08.04.02.01 08.04.02.02	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60′40′12 cm) MB 40, M-150, V-3	work m ³ m ²	8.60 36.20		
08.04.02.01 08.04.02.02	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional specifications	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60'40'12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs.	work m ³	8.60		
08.04.02.01 08.04.02.02	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60 ⁴⁰ 12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions	work m ³ m ² m ³	8.60 36.20		
08.04.02.01 08.04.02.02	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional specifications 13.4.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60 ⁴⁰ 12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions	work m ³ m ² m ³	8.60 36.20		
08.04.02.01 08.04.02.02 08.04.02.03	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional specifications	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60'40'12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab	work m ³ m ² m ³	8.60 36.20		
08.04.02.01 08.04.02.02 08.04.02.03	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional specifications 13.4.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60'40'12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced	work m ³ m ² m ³	8.60 36.20 96.00		
08.04.02.01 08.04.02.02 08.04.02.03 08.04.02.05	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional specifications 13.4.3 13.4.3.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60'40'12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6.	work m ³ m ² m ³	8.60 36.20		
08.04.02.01 08.04.02.02 08.04.02.03	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional specifications 13.4.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60'40'12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Abutment bodies constructed of concrete, class II, MB 30, M-	work m ³ m ² m ³ m ³	8.60 36.20 96.00 800.40		
08.04.02.01 08.04.02.02 08.04.02.03 08.04.02.05	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional specifications 13.4.3 13.4.3.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60'40'12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6.	work m ³ m ² m ³	8.60 36.20 96.00		
08.04.02.01 08.04.02.02 08.04.02.03 08.04.02.05 08.04.02.06	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60'40'12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6.	work m ³ m ² m ³ m ³	8.60 36.20 96.00 800.40		
08.04.02.01 08.04.02.02 08.04.02.03 08.04.02.05	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional specifications 13.4.3 13.4.3.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60'40'12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Abutment wing walls made of concrete, class II, MB 30, M-	work m ³ m ² m ³ m ³ m ³	8.60 36.20 96.00 800.40 649.80		
08.04.02.01 08.04.02.02 08.04.02.03 08.04.02.05 08.04.02.06 08.04.02.07	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60'40'12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Abutment wing walls made of concrete, class II, MB 30, M- 150, V-6.	work m ³ m ² m ³ m ³	8.60 36.20 96.00 800.40		
08.04.02.01 08.04.02.02 08.04.02.03 08.04.02.05 08.04.02.06 08.04.02.07	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60'40'12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Abutment wing walls made of concrete, class II, MB 30, M-	work m ³ m ² m ³ m ³ m ³ m ³	8.60 36.20 96.00 800.40 649.80 77.30		
08.04.02.01 08.04.02.02 08.04.02.03 08.04.02.05 08.04.02.06	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60'40'12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Abutment wing walls made of concrete, class II, MB 30, M- 150, V-6.	work m ³ m ² m ³ m ³ m ³	8.60 36.20 96.00 800.40 649.80		
08.04.02.01 08.04.02.02 08.04.02.03 08.04.02.05 08.04.02.06 08.04.02.07 08.04.02.08	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60′40′12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Abutment wing walls made of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6.	work m ³ m ² m ³ m ³ m ³ m ³	8.60 36.20 96.00 800.40 649.80 77.30		
08.04.02.01 08.04.02.02 08.04.02.03 08.04.02.05 08.04.02.06 08.04.02.07 08.04.02.08	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60′40′12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Abutment wing walls made of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6. Pedestrian cantilever walkway at abutment wing walls	work m ³ m ² m ³ m ³ m ³ m ³	8.60 36.20 96.00 800.40 649.80 77.30 74.43		
08.04.02.01 08.04.02.02 08.04.02.03 08.04.02.05 08.04.02.06 08.04.02.07 08.04.02.08 08.04.02.09	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60′40′12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Abutment wing walls made of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6. Pedestrian cantilever walkway at abutment wing walls constructed of concrete, class II, MB 30, M- 150, V-6.	work m ³ m ² m ³ m ³ m ³ m ³	8.60 36.20 96.00 800.40 649.80 77.30		
08.04.02.01 08.04.02.02 08.04.02.03 08.04.02.05 08.04.02.06 08.04.02.07 08.04.02.08	13.4.1 13.4.1.1 13.4.1.2 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vib * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Foundation of end slope wall made of concrete, class I MB25. Lining of end slopes with concrete plates (60′40′12 cm) MB 40, M-150, V-3 Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Abutment wing walls made of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6. Pedestrian cantilever walkway at abutment wing walls	work m ³ m ² m ³ m ³ m ³ m ³	8.60 36.20 96.00 800.40 649.80 77.30 74.43		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.04.02.11	13.4.3.2	Middle pier bodies constructed of concrete, class II, MB 30,	2			
00.04.00.10	10.40.0	M-150, V-6.	m ³	371.70		
08.04.02.12	13.4.3.2	Bearing beams of middle piers made of concrete, class II, MB 30, M-150, V-6.	m ³	284.60		
08.04.02.13	13.4.3.2	Abutment and middle pier caps made of concrete, class II, MB 30, M-150, V-6.		11.56		
08.04.02.14	13.4.3.3	Spanning bridge construction of reinforced concrete				
08.04.02.15	13.4.3.3	Cross girders made of reinforced concrete, class II, MB 50, M 150, V-6.	m ³	227.60		
08.04.02.16	13.4.3.3	Bridge deck over prefabricated girders made of reinforced concrete, class II, MB 50, M-150, V-6.	m ³	1,067.40		
08.04.02.17	13.4.3.4	Cornices at footway level (including inspection manholes) cast in situ. Concrete class II MB 40, M-150, V-6	m ³	152.30		
08.04.02.18	13.4.3.5	Crossing slabs made of concrete MB 30, M-150, V-6	m ³	42.10		
08.04.02.19	13.4.3.4	Masking covers of cornices at footway level made of concrete class II, MB 45, M-150, V-8.		46.51		
	13.4.4	Prestressed bridge constructions				
08.04.02.20	13.4.4	Prefabricated main girders made of prestressed concrete, class II MB 50, M-150, V-3	m ³	1,107.00		
			TO	OTAL CONCR	ETE WORKS:	
08.04.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.				
08.04.03.01	13.5.1	Ribbed rebars RA 400/500-2	kg	769,296.00		
	10.5.0	Metal works in prestressed concrete				
00.04.02.02	13.5.2	* The price includes procurement, fixing and tensioning.	1			
08.04.03.02	13.5.2	Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables	kg	73,539.00		
08.04.03.03	13.6	Expansion joints - procurement and installation as designed MT-100.	m'	52.00		
08.04.03.04	13.7	S-6 gullies of cast iron, procurement and installation as designed.	pc.	2.00		
		S-9gullies of cast iron, procurement and installation as designed.	pc.	16.00		
	13.8	Steel bridge fences:				
08.04.03.05 08.04.03.06	13.8.1 13.8.2	H2W4	m'	646.00		
08.04.03.07	13.9	- tubular fences or fences made of steel sections Bridge bearings	kg	323.00		
		Neotopf (ΓXX) NAL-b 350x450x85	pc.	16.00		
		NAL-f 450x600x85	pc.	28.00		
				TOTAL M	ETAL WORK	
08.04.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed.				
08.04.04.01	13.10.1	Concrete or stone curbs along the highway, 13/20 MB 40	m'	646.00		
08.04.04.02	13.10.2	Insulating coat on pavement top	m ²	3,391.00		
08.04.04.03	13.10.3	Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth.	m ²	1,561.00		
00.04.04.05		jonto concrete surraces in contact with calul.		1,501.00		
08.04.04.04	13.10.4	Bituminous pavement base course, BNHS 16A, 5 cm thick	m ²	3,298.00		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.04.04.06	13.10.5	Trial loading of constructed bridge.				
				lump su	m	
08.04.04.07	13.10.6	Photographing during bridge construction				
				lump su	m	
08.04.04.08	13.10.8	Fitting and sealing joints with elastic bituminous sealing				
		compound ('livobit) on asphalt next to curbs and cornices at				
		footway level and next to expansion joints	m'	1,396.00		
08.04.04.09	13.11.1	Laying PVC pipes into footways (cat walks), Æ110 mm				
			m'	432.00		
08.04.04.10	13.11.2	Epoxy and polyurethane preservative on footways				
			m ²	1,396.00		
08.04.04.11	13.11.8	Construction of cementitious grouting mortar beds				
	additional					
	specifications		m ²	28.16		
08.04.04.12	13.11.9	Steel plates embedded in girder at points where girders rest on				
	additional	bearings.				
	specifications		kg	1,100.00		
08.04.04.13	13.7.2	Cast iron pipes for gully water discharge including all fixing				
		accessories.	m'	126.00		
		TOTAL FINISHING AN	D SUND	RY WORKS	ON BRIDGES:	

Summary bridge at km 876+319.194

08.04.01 EARTH WORKS

08.04.02 CONCRETE

08.04.03 METALWORK

08.04.04 FINISHING AND SUNDRY WORKS ON BRIDGES

Total bridge km 876+319.194:

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.05.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.05.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	8,231.83		
		- at depth of 2-4 m	m ³	4,187.92		
		- at depth of 4-6 m	m ³	1,257.00		
		- at depth over 6 m	m ³	375.00		
08.05.01.02	13.2.1	Excavation of foundations in IV category soil and transport of				
		earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	409.00		
		- at depth of 2-4 m	m ³	933.00		
08.05.01.03	13.2.1	Excavation of foundations in V category soil and transport of				
		earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 4-6 m	m ³	917.00		
		- at depth over 6 m	m ³	116.00		
08.05.01.04	13.2.2	Extra for excavation of foundations with pumping of 30				
		lit/min - 120 lit/min water.	m ³	8,213.38		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.05.01.05	13.2.4	Backfilling of pier foundations with earth in 30 cm thick		Quantity	Chieffiee	1 oran
		layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	13,323.38		
08.05.01.06	13.2.5	Construction of wedge made of well-graded gravel compacted				
		in 30 cm thick layers to modulus of compressibility Ms=40				
		MPa. It shall be constructed behind the abutments.				
		3	2			
		Payment per m ³ of compacted gravel.	m ³	1,491.00		
08.05.01.07 1		Extra for excavation to place all needed supports in the				
	specifications	foundation pit including wooden shoring, combination of wooden shoring and steel supports and steel shoring. Payment				
			m ²	107 77		
08.05.01.08 1	12.2.8 additional	per m ² of used material. Construction of end slope of material from the cutting or	m	107.77		
08.05.01.08	specifications	borrow pit including mechanical compaction in 30 cm thick				
	specifications	layers, fully as designed.				
		Payment per m3 of compacted material.	m ³	1,041.00		
08.05.01.09	13.4.2	Construction of Ø150 cm piles with concrete, class MB 30, M-		1,011.00		
		150, V-3. Payment per m' of completed pile.	m'	405.00		
				TOTAL EAD	RTH WORKS:	
08.05.02.	13.4	CONCRETE		101112 201		
00.03.02.	13.7	This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by vib	rating.			
		* Reinforcing bars shall be paid separately, except for bored pi				
		* Cables shall be paid separately.				
		* The price of concrete includes formwork and scaffold.				
		* Payment per m ³ of placed concrete for completely performed	work			
08.05.02.01	13.4.1	Plain concrete				
08.05.02.01	13.4.1.1	Foundation of end slope wall made of concrete, class I MB25.	m ³	8.20		
08.05.02.02	13.4.1.2	Lining of end slopes with concrete plates (60'40'12 cm) MB	m	0.20		
00102102	1011112	40, M-150, V-3	m ²	18.98		
08.05.02.03	13.4.1.3	Blinding layer, 15 cm thick, made of concrete, class I MB 15				
	additional	under foundation, pile caps and crossing slabs.	2			
	specifications		m ³	209.00		
00.05.02.04	13.4.3	Reinforced concrete constructions	↓			
08.05.02.04	13.4.3.1	Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced				
		concrete, class III MB 30, M-150, V-6.	m ³	1,522.00		
	13.4.3.2	Piers supporting plain spanning constructions of different		1,022100		
		systems and bearing beams				
08.05.02.05	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 35, M-				
		150, V-6.	m ³	399.00		
08.05.02.06	13.4.3.2	Abutment wing walls made of concrete, class II, MB 35, M-	m ³	22.00		
08.05.02.07	13.4.3.2	150, V-6. Abutment parapets constructed of concrete, class II, MB 35,	m	32.00		
08.03.02.07	13.4.3.2	M-150, V-6.	m ³	95.00		
08.05.02.08	13.4.3.2	Pedestrian cantilever walkway at abutment wing walls		22.00		
		constructed of concrete, class II, MB 35, M-150, V-6.	m ³	8.00		
08.05.02.09	13.4.3.2	Masking covers of abutments and middle piers made of				
		concrete, class II, MB 30, M-150, V-6.	m ³	19.00		
08.05.02.10	13.4.3.2	Middle pier bodies constructed of concrete, class II, MB 35,	3	001.00		
00.05.00.11	12422	M-150, V-6.	m ³	991.00		
08.05.02.11	13.4.3.2	Bearing beams of middle piers made of concrete, class II, MB	m ³	687.00		
08.05.02.12	13.4.3.2	40, M-150, V-6. Abutment and middle pier caps made of concrete, class II,	ш	007.00		
00.05.02.12	13.7.3.2	MB 40, M-150, V-6.	m ³	57.00		
	13.4.3.2	Wing walls constructed of reinforced concrete, class II MB		2.100		
08.05.02.13	13.7.3.2		3	(1.70		
08.05.02.13	13.4.3.2	30, M-150, V-6	m ³	61.70		
08.05.02.13	13.4.3.3	30, M-150, V-6 Spanning bridge construction of reinforced concrete		61.70		
08.05.02.13 08.05.02.14		30, M-150, V-6 Spanning bridge construction of reinforced concrete Cross girders made of reinforced concrete, class II, MB 50, M- 150, V-6.		656.00		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.05.02.15	13.4.3.3	Bridge deck over prefabricated girders made of reinforced				
		concrete, class II, MB 45, M-150, V-6.	m ³	2,134.00		
08.05.02.16	13.4.3.4	Cornices at footway level (including inspection manholes)				
		cast in situ. Concrete class II MB 30, M-150, V-6	m ³	510.00		
08.05.02.17	13.4.3.5	Crossing slabs made of concrete MB 35, M-150, V-6	m	510.00		
08.05.02.17	15.4.5.5	crossing stabs made of concrete will 55, W-150, V-0	m ³	53.00		
08.05.02.18	13.4.3.4	Masking covers of cornices at footway level made of concrete.				
		class II, MB 45, M-150, V-8.	m ³	130.00		
	13.4.4	Prestressed bridge constructions				
08.05.02.19	13.4.4	Prefabricated main girders made of prestressed concrete, class	3			
00.05.02.20	12.4.4	II MB 50, M-150, V-3 Prestressed box bridge construction cast in situ.	m ³	2,202.00		
08.05.02.20	13.4.4	Concrete class II MB 45, M-150, V-3	m ³	2,516.00		
		Concrete class II MB 45, M-150, V-5		DTAL CONCR	ETE WODKS.	
			1	JIAL CONCK	EIE WORKS:	
08.05.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing				
		of reinforcing bars in the construction, fully as designed.				
		or removeing burs in the construction, runy as designed.				
08.05.03.01	13.5.1	Ribbed rebars RA 400/500-2				
			kg	8,261.00		
08.05.03.02	13.5.2.1.	Reinforcement B500A				
			kg	1,540,662.00		
	13.5.2	Metal works in prestressed concrete * The price includes procurement, fixing and tensioning.				
08.05.03.03	13.5.2	Patented high-strength prestressing strands with all anchors,				
00.05.05.05	10.0.2	base plates and protective tubes for cables	kg	180,382.00		
08.05.03.04	13.6	Expansion joints - procurement and installation as designed				
		(drawing No. 33).	m'	105.00		
08.05.03.05	13.7	S-7 gullies of cast iron, procurement and installation as				
00.05.02.07	12.0	designed.	pc.	52.00		
08.05.03.06 08.05.03.07	13.8 13.8.2	Steel bridge fences: - tubular fences or fences made of steel sections	kg	17,120.00		
08.05.03.08	13.8.2	Bridge bearings	мş	17,120.00		
00.00100100	1017					
		(procurement and installation as designed (drawing No. 33)				
		fixed end bearings	pc.	18.00		
		free end bearings movable in direction of bridge center line		16.00		
			pc.	16.00		
		bearings movable vertically to bridge centerline	pc.	42.00		
		bearings movable voluciary to bridge contermine	r			
		bearings movable in both directions	pc.	28.00		
				TOTAL ME	TAL WORKS:	
08.05.04.	13.10	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and installation	n as desi	gned.		
08.05.04.01	13.10.1	Concrete or stone curbs		1 000		
08.05.04.02	12 10 2	along the highway, 13/20 MB 40	m'	1,800.00		
08.05.04.02	13.10.2	Insulating coat on pavement top	m ²	9,336.00		
08.05.04.03	13.10.3	Applying one layer of bitulite and one layer of hot bitumen		2,550.00		
30.03.04.03	15.10.5	onto concrete surfaces in contact with earth.	m ²	3,374.00		
08.05.04.04	13.10.4	Bituminous pavement base course, BNHS 16A, 5 cm thick				
			m ²	8,769.00		
08.05.04.05	13.10.4	Pavement wearing course of skeleton mastic asphalt				
		SMA 0/11S, 4cm thick	m ²	8,769.00		
08.05.04.06	13.10.5	Trial loading of constructed bridge.				
09.05.04.07	12 10 6	Dhataananking during builty substanting '		lump su	m	
08.05.04.07	13.10.6	Photographing during bridge construction		hump our	m	
			l	lump su		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.05.04.08	13.10.8	Fitting and sealing joints with elastic bituminous sealing				
		compound ('livobit) on asphalt next to curbs and cornices at				
		footway level and next to expansion joints	m'	3,699.00		
08.05.04.09	13.11.1	Laying PVC pipes into footways (cat walks), Ø110 mm				
			m'	2,618.00		
08.05.04.10	13.11.2	Epoxy and polyurethane preservative on footways				
			m ²	2,269.00		
08.05.04.11	13.11.8	Construction of cementitious grouting mortar beds				
	additional					
	specifications		m ²	67.00		
08.05.04.12	13.11.9	Steel plates embedded in girder at points where girders rest on				
	additional	bearings.				
	specifications		kg	2,171.00		
08.05.04.13	13.7.2	Cast iron pipes for gully water discharge including all fixing				
		accessories.	m'	165.00		
		TOTAL FINISHING AN	D SUND	RY WORKS	ON BRIDGES:	

Summary bridge at km 876+973.313		
08.05.01 EARTH WORKS		
08.05.02 CONCRETE		
08.05.03 METALWORK		
08.05.04 FINISHING AND SUNDRY WORKS ON BRIDGES		
	Total bridge at km 876+973.313:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.06.01.	13.2	EARTH WORKS	-			
		Excavation for foundations				
08.06.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	830.00		
		- at depth of 2-4 m	m ³	468.00		
08.06.01.02	13.2.2	Extra for excavation of foundations with pumping of 30				
		lit/min - 120 lit/min water.	m ³	800.00		
08.06.01.03	13.2.4	Backfilling of pier foundations with earth in 30 cm thick				
		layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	480.20		
08.06.01.04	13.2.5	Construction of wedge made of well-graded gravel compacted				
		in 30 cm thick layers to modulus of compressibility Ms=40				
		MPa. It shall be constructed behind the abutments.				
		Payment per m ³ of compacted gravel.	m ³	500.00		
08.06.01.05	13.2.9 additional	Placing 80 cm thick cover protecting a gravel wedge made of				
	specifications	gravel sand where top 30 cm shall be stabilized with cement				
	-	and bottom 50 cm compacted in two layers to modulus of				
		compressibility Ms=40 MPa.				
		Payment per m ³ of compacted gravel.	m ³	98.00		
				TOTAL EA	RTH WORKS:	
08.06.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by vib				
		* Reinforcing bars shall be paid separately, except for bored p	iles.			
		* Cables shall be paid separately.				
		* The price of concrete includes formwork and scaffold.				
		* Payment per m3 of placed concrete for completely performed	l work			

1-127

08.06. Bridge at km 877+386.56

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
	13.4.1	Plain concrete				
08.06.02.01	13.4.1.3	Blinding layer, 10 cm thick, made of concrete, class I MB 15				
	additional	under foundation, pile caps and crossing slabs.	m ³	12.10		
	specifications		m	43.10		
00.06.02.02	13.4.3	Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab				
08.06.02.02	13.4.3.1	foundations, roundations for wings, counter-beams, stab				
		concrete, class III MB 30, M-150, V-6.	m ³	118.00		
	13.4.3.2	Piers supporting plain spanning constructions of different	- 111	118.00		
	15.4.5.2	systems and bearing beams				
08.06.02.03	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30, M-				
		150, V-6.	m ³	149.20		
08.06.02.04	13.4.3.2	Abutment wing walls made of concrete, class II, MB 30, M-				
		150, V-6.	m ³	21.60		
08.06.02.05	13.4.3.2	Abutment parapets constructed of concrete, class II, MB 30,				
		M-150, V-6.	m ³	5.70		
	13.4.3.3	Spanning bridge construction of reinforced concrete				
08.06.02.06	13.4.3.3	Main plate girder made of reinforced concrete class II, MB	2			
		30, M-150, V-6.	m ³	250.40		
08.06.02.07	13.4.3.4	Cornices at footway level (including inspection manholes)				
		cast in situ. Concrete class II MB 30, M-150, V-6	m ³	70.00		
00.06.00.00	12 4 2 5	Carrier alaba mada of comparts MD 20 M 150 M (m	70.20		
08.06.02.08	13.4.3.5	Crossing slabs made of concrete MB 30, M-150, V-6	m ³	50.40		
08 06 02 00	13.4.3.4	Masking covers of cornices at footway level made of concrete,		50.40		
08.06.02.09	13.4.3.4	class II, MB 45, M-150, V-8.	m ³	2.91		
		Class II, MD 45, M-150, V-8.		DTAL CONCR	ETE WODKS.	
			П	JIAL CONCR	EIE WORKS:	
08.06.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and constructions				
		* The price includes procurement, cutting, bending and fixing				
		of reinforcing bars in the construction, fully as designed.				
08.06.03.01	13.5.1	Ribbed rebars RA 400/500-2				
08.00.05.01	15.5.1	Kibbea rebars KA 400/500-2	kg	86,900.00		
	13.8	Steel bridge fences:	115	00,200100		
08.06.03.02	13.8.2	- tubular fences or fences made of steel sections	kg	804.90		
				TOTAL M	ETAL WORK	
08.06.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES		10111211		
00.00.04.	13.1	This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
		installation as designed.				
08.06.04.01	13.10.1	Concrete or stone curbs				
		along the highway, 13/20 MB 40	m'	64.00		
08.06.04.02	13.10.2	Insulating coat on pavement top		~		
			m ²	279.10		
08.06.04.03	13.10.3	Applying one layer of bitulite and one layer of hot bitumen				
		onto concrete surfaces in contact with earth.	m ²	618.20		
08.06.04.04	13.10.4	Bituminous pavement base course, BNHS 16A, 5 cm thick	2			
00.0			m ²	235.20		
08.06.04.05	13.10.4	Pavement wearing course of skeleton mastic asphalt				
08.06.04.06		SMA 0/11S, 4cm thick	m ²	235.20		
08.06.04.07	13.10.5	Trial loading of constructed bridge.				
				lump su	n	
08.06.04.08	13.10.6	Photographing during bridge construction	1			
00.04.04.00	12 10 0	Figure and applied inter-with starts bits in the	.	lump sur	n	
08.06.04.09	13.10.8	Fitting and sealing joints with elastic bituminous sealing				
		compound ('livobit) on asphalt next to curbs and cornices at	m'	128.00		
08.06.04.10	13.11.1	footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm	m'	120.00		
06.00.04.10	13.11.1	Laying r vC pipes into tootways (cat walks), Ø110 film	m'	122.40		
08.06.04.11	13.11.2	Epoxy and polyure than preservative on footways		122.40		
55.00.04.11	13.11.2	Epoxy and porjutements preservative on rootways	m ²	110.70		
08.06.04.12	13.11.6	Crashed stone revetment				
	additional					
	specifications		m ³	89.10		
			-		-	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total	
08.06.04.13	13.11.8	Construction of cementitious grouting mortar beds					
	additional						
	specifications		m^2	14.10			
		TOTAL FINISHING	AND SUNI	ORY WORKS	ON BRIDGES:		
Summary bridge at km 877+386.56							
08.06.01	EARTH WORKS	5					

	Total bridge km 877+386.56:	
08.06.04 FINISHING AND SUNDRY WORKS ON BRIDGES		
08.06.03 METALWORK		
08.06.02 CONCRETE		
08.06.01 EARTH WORKS		
Summary Strage at his of a book of		

08.07. Bridge at km 878+305.468

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.07.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.07.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	1,318.00		
			111	1,518.00		
		- at depth of 2-4 m	m ³	1,023.00		
			m	1,025.00		
		- at depth of 4-6 m	m ³	356.00		
08.07.01.02	13.2.2	Extra for excavation of foundations with pumping of 30		550.00		
00.07.01.02	10.2.2	lit/min - 120 lit/min water.	m ³	1,000.00		
08.07.01.03	13.2.4	Backfilling of pier foundations with earth in 30 cm thick		1,000.00		
00.07.01.05	10.2.1	layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	571.00		
08.07.01.04	13.2.5	Construction of wedge made of well-graded gravel compacted		571.00		
08.07.01.04	13.2.3	in 30 cm thick layers to modulus of compressibility Ms=40				
		MPa. It shall be constructed behind the abutments.				
		with a. It shall be constructed behind the abuthents.				
		Payment per m ³ of compacted gravel.	m ³	099 60		
09 07 01 05	1207 additional	Placing the sub-base made of gravel and sand in 30 cm thick	m	988.60		
08.07.01.05						
	specifications	layers under foundation including compaction of layers to modulus of compressibility Ms=30 MPa.				
			3			
		Payment per m ³ of compacted gravel.	m ³	99.60		
08.07.01.06		Placing 80 cm thick cover protecting a gravel wedge made of				
	specifications	gravel sand where top 30 cm shall be stabilized with cement				
		and bottom 50 cm compacted in two layers to modulus of				
		compressibility Ms=40 MPa.	2			
		Payment per m ³ of compacted gravel.	m ³	224.50		
				TOTAL EA	RTH WORKS:	
08.07.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by vib	rating.			
		* Reinforcing bars shall be paid separately, except for bored paid	iles.			
		* Cables shall be paid separately.				
		* The price of concrete includes formwork and scaffold.				
		* Payment per m ³ of placed concrete for completely performed	work			
	13.4.1	Plain concrete				
08.07.02.01	13.4.1.3	Blinding layer, 10 cm thick, made of concrete, class I MB 15				
	additional	under foundation, pile caps and crossing slabs.				
	specifications		m ³	37.00		
08.07.02.02	13.1.4.1	Concrete layer for slope. Concrete class I MB 20.	I T			
	additional					
	specifications		m ³	10.00		
08.07.02.03	13.1.4.2	Protective concrete over waterproofing layer (MB20, 5cm)				
		with galvanized mesh.	m ²	241.00		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
	13.4.3	Reinforced concrete constructions		- <u></u>		
08.07.02.04	13.4.3.1	Strip foundations, foundations for wings, counter-beams, slab				
		foundations, cushions and pile caps made of reinforced	2			
		concrete, class III MB 30, M-150, V-6.	m ³	245.60		
	13.4.3.2	Piers supporting plain spanning constructions of different				
		systems and bearing beams				
08.07.02.05	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30, M-	m ³	100.00		
00.07.02.04	12 4 2 2	150, V-6.	m	199.20		
08.07.02.06	13.4.3.2	Abutment wing walls made of concrete, class II, MB 30, M-	m ³	29.50		
	13.4.3.3	150, V-6. Spanning bridge construction of reinforced concrete	m	38.50		
08.07.02.07	13.4.3.3	Main plate girder made of reinforced concrete class II, MB				
08.07.02.07	15.4.5.5	30, M-150,V-6.	m ³	195.00		
08.07.02.08	13.4.3.4	Cornices at footway level (including inspection manholes)		195.00		
08.07.02.08	15.4.5.4	cast in situ. Concrete class II MB 30, M-150, V-6				
		east in situ. Concrete class if will 50, w-150, v-0	m ³	8.23		
	l				ETE WORKS:	
			п	JIAL CONCR	EIE WORKS:	
08.07.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and constructions				
		* The price includes procurement, cutting, bending and fixing				
		of reinforcing bars in the construction, fully as designed.				
	10.5.1	D'11 1 1 DA 400/500 0	, ,		г – т	
08.07.03.01	13.5.1	Ribbed rebars RA 400/500-2	1	96 445 00		
		Matal marks in an effect of a survey of	kg	86,445.00		
	13.5.2	Metal works in prestressed concrete * The price includes procurement, fixing and tensioning.				
	13.3 .2 13.8	Steel bridge fences:	<u> </u>			
08.07.03.02	13.8.2	- tubular fences or fences made of steel sections	kg	361.00		
00.07.05.02	15.6.2	- tubular reflects of reflects made of steer sections	к <u>5</u>			
				IUIAL M	ETAL WORK	
08.07.02.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
	10.10.0	installation as designed.	<u> </u>		<u>г г</u>	
08.07.04.01	13.10.2	Insulating coat on pavement top	m ²	226.00		
00.07.04.02	10.10.0		m	236.90		
08.07.04.02	13.10.3	Applying one layer of bitulite and one layer of hot bitumen	m ²	674 50		
08.07.04.03	13.10.5	onto concrete surfaces in contact with earth. Trial loading of constructed bridge.	m	674.50		
08.07.04.05	15.10.5	That toading of constructed bridge.		lump su	m	
08.07.04.04	13.10.6	Photographing during bridge construction		Tunp su		
08.07.04.04	15.10.0	r notographing during bridge construction		lump sur	m	
08.07.04.05	13.10.8	Fitting and sealing joints with elastic bituminous sealing	i i	Tunp Su		
00.07.07.00	10.10.0	compound ('livobit) on asphalt next to curbs and cornices at				
		footway level and next to expansion joints	m'	16.60		
08.07.04.06	13.11.2	Epoxy and polyurethane preservative on footways				
			m ²	11.62		
08.07.04.07	13.11.6	Crashed stone revetment				
	additional					
	specifications		m ³	69.10		
	13.11.15	'Fugeband" tapes for sealing concrete conections				
08.07.04.08						
08.07.04.08	additional					
08.07.04.08			m'	147.84		

Summary bridge at km 878+305.468	
08.07.01 EARTH WORKS	
08.07.02 CONCRETE	
08.07.03 METALWORK	
08.07.04 FINISHING AND SUNDRY WORKS ON BRIDGES	
Total bridge at km 878+305.468:	

Item No.	at km 878+394.73 T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.08.01	13.2	EARTH WORKS		Zunning		2.000
00100101	1012	Excavation for foundations				
08.08.01.01	13.2.1	Excavation of foundations in II and III category soil and				
00.00.01.01	13.2.1	transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
			3			
		- at depth of 2-4 m	m ³	1,697.00		
			2			
		- at depth of 4-6 m	m ³	2,536.00		
			2			
		- at depth over 6 m	m ³	1,479.00		
08.08.01.02	13.2.1	Excavation of foundations in V category soil and transport of				
		earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth over 6 m	m ³	372.00		
08.08.01.03	13.2.2	Extra for excavation of foundations with pumping of 30	m	572.00		
08.08.01.05	13.2.2	lit/min - 120 lit/min water.	m ³	2,834.00		
08.08.01.04	13.2.4	Backfilling of pier foundations with earth in 30 cm thick	m	2,034.00		
00.00.01.04	13.2.4	layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
			3	2 210 00		
00.00.01.05	10.0 -	Payment per m ³ of compacted earth.	m ³	3,210.00		
08.08.01.05	13.2.5	Construction of wedge made of well-graded gravel compacted				
		in 30 cm thick layers to modulus of compressibility Ms=40				
		MPa. It shall be constructed behind the abutments.				
		Payment per m ³ of compacted gravel.	m ³	588.00		
08.08.01.06	13.2.8 additional	Construction of end slope of material from the cutting or				
	specifications	borrow pit including mechanical compaction in 30 cm thick				
	-	layers, fully as designed.				
		Payment per m3 of compacted material.	m ³	197.00		
08.08.01.07	13.4.2	Construction of Ø120 cm piles with concrete, class MB 30, M-				
00100101107	101112	150, V-3. Payment per m' of completed pile.	m'	448.00		
					RTH WORKS:	
00.00.00	12.4	CONCIDENTE			KIII WORKS.	
08.08.02.	13.4	CONCRETE			KIII WORKS.	
08.08.02.	13.4	This shall apply to all items:			KIII WORKS.	
08.08.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibu			ATTI WORKS.	
08.08.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibu * Reinforcing bars shall be paid separately, except for bored pi				
08.08.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibu * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately.				
08.08.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibu * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold.	les.			
08.08.02.		This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibu * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed	les.			
	13.4.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibu * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete	les.		ATTI WORKS.	
08.08.02. 08.08.02.01	13.4.1 13.4.1.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15	les.			
	13.4.1 13.4.1.3 additional	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibu * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete	work			
08.08.02.01	13.4.1 13.4.1.3 additional specifications	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs.	les.	64.58		
08.08.02.01	13.4.1 13.4.1.3 additional specifications 13.4.1.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15	work			
08.08.02.01	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs.	work m ³	64.58		
08.08.02.01	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional specifications	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Plain concrete for open caissons. Class I MB 20	work			
08.08.02.01 08.08.02.02	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional specifications 13.4.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibu * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Plain concrete for open caissons. Class I MB 20 Reinforced concrete constructions	work m ³	64.58		
08.08.02.01 08.08.02.02	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional specifications	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Plain concrete for open caissons. Class I MB 20 Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab	work m ³	64.58		
08.08.02.01 08.08.02.02	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional specifications 13.4.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Plain concrete for open caissons. Class I MB 20 Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced	work m ³ m ³	64.58		
08.08.02.01 08.08.02.02	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional specifications 13.4.3 13.4.3.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Plain concrete for open caissons. Class I MB 20 Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class II MB 30, M-150, V-6.	work m ³	64.58		
08.08.02.01 08.08.02.02	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional specifications 13.4.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Plain concrete for open caissons. Class I MB 20 Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different	work m ³ m ³	64.58		
08.08.02.01 08.08.02.02 08.08.02.03	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Plain concrete for open caissons. Class I MB 20 Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams	work m ³ m ³	64.58		
08.08.02.01 08.08.02.02 08.08.02.03	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional specifications 13.4.3 13.4.3.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Plain concrete for open caissons. Class I MB 20 Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M-	les. work m ³ m ³ m ³	64.58 304.00 1,052.60		
08.08.02.01 08.08.02.02 08.08.02.03 08.08.02.04	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Plain concrete for open caissons. Class I MB 20 Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6.	work m ³ m ³	64.58		
08.08.02.01 08.08.02.02 08.08.02.03 08.08.02.04	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Plain concrete for open caissons. Class I MB 20 Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M-	les. work m ³ m ³ m ³ m ³	64.58 304.00 1,052.60 249.00		
08.08.02.01 08.08.02.02 08.08.02.03 08.08.02.04 08.08.02.05	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Plain concrete for open caissons. Class I MB 20 Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Abutment wing walls made of concrete, class II, MB 30, M- 150, V-6.	les. work m ³ m ³ m ³	64.58 304.00 1,052.60		
08.08.02.01 08.08.02.02 08.08.02.03 08.08.02.04 08.08.02.05	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Plain concrete for open caissons. Class I MB 20 Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Abutment wing walls made of concrete, class II, MB 30, M-	les. work m ³ m ³ m ³ m ³	64.58 304.00 1,052.60 249.00		
08.08.02.01	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibu * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Plain concrete for open caissons. Class I MB 20 Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Abutment wing walls made of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6.	les. work m ³ m ³ m ³ m ³	64.58 304.00 1,052.60 249.00		
08.08.02.01 08.08.02.02 08.08.02.03 08.08.02.04 08.08.02.05	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Plain concrete for open caissons. Class I MB 20 Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Abutment wing walls made of concrete, class II, MB 30, M- 150, V-6.	les. work m ³ m ³ m ³ m ³ m ³	64.58 304.00 1,052.60 249.00 28.50		
08.08.02.01 08.08.02.02 08.08.02.03 08.08.02.04 08.08.02.05 08.08.02.06	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibi * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Plain concrete for open caissons. Class I MB 20 Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Abutment wing walls made of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6. Pedestrian cantilever walkway at abutment wing walls	les. work m ³ m ³ m ³ m ³	64.58 304.00 1,052.60 249.00 28.50		
08.08.02.01 08.08.02.02 08.08.02.03 08.08.02.04 08.08.02.05 08.08.02.06	13.4.1 13.4.1.3 additional specifications 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2 13.4.3.2	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibu * Reinforcing bars shall be paid separately, except for bored pi * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Plain concrete for open caissons. Class I MB 20 Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M- 150, V-6. Abutment wing walls made of concrete, class II, MB 30, M- 150, V-6. Abutment parapets constructed of concrete, class II, MB 30, M- 150, V-6.	les. work m ³ m ³ m ³ m ³ m ³	64.58 304.00 1,052.60 249.00 28.50 78.30		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.08.02.09	13.4.3.2	Middle pier bodies constructed of concrete, class II, MB 30,		Zumini		1 0 m i
		M-150, V-6.	m ³	334.90		
08.08.02.10	13.4.3.2	Bearing beams of middle piers made of concrete, class II, MB 30, M-150, V-6.	m ³	248.60		
08.08.02.11	13.4.3.2	Abutment and middle pier caps made of concrete, class II, MB 40, M-150, V-6.	m ³	11.56		
	13.4.3.3	Spanning bridge construction of reinforced concrete				
08.08.02.12	13.4.3.3	Cross girders made of reinforced concrete, class II, MB 50, M-	- 3			
08.08.02.13	13.4.3.3	150, V-6. Bridge deck over prefabricated girders made of reinforced	m ³	225.40		
		concrete, class II, MB 50, M-150, V-6.	m ³	970.80		
08.08.02.14	13.4.3.4	Cornices at footway level (including inspection manholes) cast in situ. Concrete class II MB 40, M-150, V-6	m ³	145.00		
08.08.02.15	13.4.3.5	Crossing slabs made of concrete MB 30, M-150, V-6	m ³	42.10		
08.08.02.16	13.4.3.4	Masking covers of cornices at footway level made of concrete, class II, MB 45, M-150, V-8.		43.37		
	13.4.4	Prestressed bridge constructions		+3.57		
08.08.02.17	13.4.4	Prefabricated main girders made of prestressed concrete, class II MB 50, M-150, V-3	m ³	984.00		
		II MB 50, M-150, V-5		DTAL CONCR	ETE WORKS.	
08.08.03	13.5	METALWORK	10			
		Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.				
08.08.03.01	13.5.1	Ribbed rebars RA 400/500-2	kg	804,697.70		
		Metal works in prestressed concrete				
00.00.02.02	13.5.2	* The price includes procurement, fixing and tensioning.	1		<u>г г</u>	
08.08.03.02	13.5.2	Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables	kg	65,368.00		
08.08.03.03	13.6	Expansion joints - procurement and installation as designed	**5	00,000.00		
00.00.02.04	10.7	(drawing No. 33).	m'	52.00		
08.08.03.04	13.7	Gullies of cast iron, procurement and installation as designed.				
		S6	pc.	8.00		
		S9	pc.	8.00		
	13.8	Steel bridge fences:	P*.	0.00		
08.08.03.05	13.8.2	- tubular fences or fences made of steel sections	kg	301.26		
08.08.03.06	13.9	Bridge bearings				
		NAL-b-350x450x85	pc.	16.00		
		NAL-f-450x600x85	pc.	24.00		
			P*.		ETAL WORK	
08.08.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
	1011	This shall apply to all items of finishing works:	1			
		* The price includes procurement, construction and				
08.08.04.01	13.10.1	installation as designed. Concrete or stone curbs			г	
06.08.04.01	15.10.1	along the highway, 13/20 MB 40	m'	602.00		
08.08.04.02	13.10.2	Insulating coat on pavement top	m ²			
08.08.04.03	13.10.3	Applying one layer of bitulite and one layer of hot bitumen		3,013.00		
		onto concrete surfaces in contact with earth.	m ²	806.00		
08.08.04.04	13.10.4	Bituminous pavement base course, BNHS 16A, 5 cm thick	m ²	2,924.00		
08.08.04.05	13.10.4	Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick	m ²	2,924.00		
08.08.04.06	13.10.5	Trial loading of constructed bridge.				
<u> </u>				lump su	n	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.08.04.07	13.10.6	Photographing during bridge construction				
				lump su	m	
08.08.04.08	13.10.8	Fitting and sealing joints with elastic bituminous sealing				
		compound ('livobit) on asphalt next to curbs and cornices at				
		footway level and next to expansion joints	m'	1,308.00		
08.08.04.09	13.11.1	Laying PVC pipes into footways (cat walks), Ø110 mm				
			m'	451.50		
08.08.04.10	13.11.2	Epoxy and polyurethane preservative on footways				
			m ²	782.00		
08.08.04.11	13.11.8	Construction of cementitious grouting mortar beds				
	additional					
	specifications		m ²	28.16		
08.08.04.12	13.11.9	Steel plates embedded in girder at points where girders rest on				
	additional	bearings.				
	specifications		kg	1,100.00		
08.08.04.13	13.7.2	Cast iron pipes for gully water discharge including all fixing				
		accessories.	m'	110.00		
		TOTAL FINISHING AN	D SUNE	ORY WORKS	ON BRIDGES:	

Summary bridge at km 878+394.758	
08.08.01 EARTH WORKS	
08.08.02 CONCRETE	
08.08.03 METALWORK	
08.08.04 FINISHING AND SUNDRY WORKS ON BRIDGES	
Total bridge at km 878+394.758:	

08.15. Top slab culvert at km 879+770.542 and inlet structure

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.15.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.15.01.01	13.2.1	Excavation of foundations in IV category soil and transport of				
		earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	798.88		
				770.00		
		- at depth of 2-4 m	m ³	410.44		
		- at depth of 4-6 m	m ³	346.03		
		- at depth over 6 m	m ³	59.04		
08.15.01.02	13.2.4	Backfilling of pier foundations with earth in 30 cm thick				
		layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	242.92		
08.15.01.03	13.2.5	Construction of wedge made of well-graded gravel compacted				
		in 30 cm thick layers to modulus of compressibility Ms=40				
		MPa. It shall be constructed behind the abutments.				
		Payment per m ³ of compacted gravel.	m ³	528.61		
08.15.01.04	13.2.7 additional	Placing 80 cm thick cover protecting a gravel wedge made of				
	specifications	gravel sand where top 30 cm shall be stabilized with cement				
		and bottom 50 cm compacted in two layers to modulus of				
		compressibility Ms=40 MPa.				
		Payment per m ³ of compacted gravel.	m ³	115.96		
				TOTAL EA	RTH WORKS:	
08.15.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by vibr	rating.			
		* Reinforcing bars shall be paid separately, except for bored pi	les.			
		* Cables shall be paid separately.				
		* The price of concrete includes formwork and scaffold.				
		* Payment per m3 of placed concrete for completely performed	work			

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
	13.4.1	Plain concrete				
08.15.02.01	13.4.1.3	Blinding layer, 15 cm thick, made of concrete, class I MB 15				
	additional	under foundation, pile caps and crossing slabs.	3			
	specifications		m ³	44.00		
08.15.02.02	13.1.4.1	Concrete layer for slope. Concrete class I MB 20.				
	additional specifications		m ³	102.96		
08.15.02.03	13.1.4.2	Protective concrete over waterproofing layer (MB20, 5cm)	111	102.90		
08.15.02.05	13.1.4.2	with galvanized mesh.	m ²	331.32		
	13.4.3	Reinforced concrete constructions		001102		
08.15.02.04	13.4.3.1	Strip foundations, foundations for wings, counter-beams, slab				
		foundations, cushions and pile caps made of reinforced				
		concrete, class III MB 30, M-150, V-6.	m ³	160.81		
	13.4.3.2	Piers supporting plain spanning constructions of different				
		systems and bearing beams				
08.15.02.05	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30, M-	2			
		150, V-6.	m ³	95.18		
08.15.02.06	13.4.3.2	Abutment wing walls made of concrete, class II, MB 30, M-	3	10.54		
	12.4.2.2	150, V-6.	m ³	13.76	<u>├</u> ────┤	
08 15 02 07	13.4.3.3 13.4.3.3	Spanning bridge construction of reinforced concrete Main plate girder made of reinforced concrete class II, MB			<u> </u>	
08.15.02.07	15.4.5.5	30, M-150,V-6.	m ³	77.20		
08.15.02.08	13.4.3.4	Cornices at footway level (including inspection manholes)		11.20		
00.12.02.00	15.1.5.1	cast in situ. Concrete class II MB 30, M-150, V-6				
			m ³	0.97		
			тс	TAL CONCR	ETE WORKS:	
08.15.03.	13.5	METALWORK				
08.15.05.	15.5	Reinforcing bars in concrete members and constructions	I			
		Remit of thig bars in concrete members and constructions				
		* The price includes procurement, cutting, bending and fixing				
		of reinforcing bars in the construction, fully as designed.				
		or removeing outs in the construction, rung as designed.				
08.15.03.01	13.5.1	Ribbed rebars RA 400/500-2				
			kg	33,918.00		
08.15.03.02	13.5.1	Welded mesh reinforcement MAG 500/560				
			kg	2,734.70		
	13.8	Steel bridge fences:				
08.15.03.03	13.8.2	- tubular fences or fences made of steel sections	kg	109.30		
				TOTAL M	IETAL WORK	
08.15.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
		installation as designed.	ļ		•	
08.15.04.01	13.10.2	Insulating coat on pavement top	2	250.00		
00.15.04.05	12 10 2		m ²	350.00	├ ────┤	
08.15.04.02	13.10.3	Applying one layer of bitulite and one layer of hot bitumen	m ²	1 0/1 20		
08.15.04.03	13.10.5	onto concrete surfaces in contact with earth. Trial loading of constructed bridge.	III	1,041.20	L	
06.13.04.03	15.10.5	That loading of constructed bridge.		lump su	m	
08.15.04.04	13.10.6	Photographing during bridge construction		Tump su		
00.12.04.04	15.10.0	noto stupning during onder construction		lump su	m	
08.15.04.05	13.10.8	Fitting and sealing joints with elastic bituminous sealing				
		compound ('livobit) on asphalt next to curbs and cornices at				
		footway level and next to expansion joints	m'	7.60		
08.15.04.06	13.11.6	Crashed stone revetment				
	additional					
	specifications		m ³	68.64		
08.15.04.07	13.11.15	'Fugeband" tapes for sealing concrete conections]			
	additional					
	specifications	l	m'	13.50		
		TOTAL FINISHING AN	D SUNI	DRY WORKS	ON BRIDGES:	

SUMMARY TOP SLAB CULVERT AT km 879+770.542 AND INLET STRUCTURE	
08.15.01 EARTH WORKS	
08.15.02 CONCRETE	
08.15.03 METALWORK	
08.15.04 FINISHING AND SUNDRY WORKS ON BRIDGES	
TOTAL TOP SLAB CULVERT AT km 879+770.542 AND INLET STRUCTURE	

08.25. Inlet structure at km 876+531.38

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.25.01.01	13.2.1	Excavation of foundations in IV category soil and transport of				
		earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	26.65		
			3			
		- at depth of 2-4 m	m ³	32.00		
		at doubh of 4.6 m	m ³	32.00		
		- at depth of 4-6 m	111	52.00		
		- at depth over 6 m	m ³	43.32		
08.25.01.02	13.2.4	Backfilling with earth in 30 cm thick layers including				
		compaction of layers to modulus of compressibility Ms=30				
		MPa.				
		Payment per m ³ of compacted earth.	m ³	43.20		
				TOTAL EAD	RTH WORKS:	
08.25.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by vibr				
		* Reinforcing bars shall be paid separately, except for bored pi	les.			
		* Cables shall be paid separately.				
		* The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed	work			
	13.4.1	Plain concrete	WOLK			
08.25.02.01	13.4.1.3	Blinding layer, 15 cm thick, made of concrete, class I MB 15				
00120102101	additional	under foundation, pile caps and crossing slabs.				
	specifications		m ³	1.95		
	13.4.3	Reinforced concrete constructions				
08.25.02.02	13.4.3.1	Reinforced concrete for inlet structure	3	26.21		
		Concrete class II MB 30, M-150, V-6.	m ³	36.31	· · · · · ·	
			тс	TAL CONCR	ETE WORKS:	
08.25.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and constructions				
		* The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.				
		of remoticing bars in the construction, turry as designed.				
08.25.03.01	13.5.1	Ribbed rebars RA 400/500-2				
			kg	2,649.77		
08.25.03.02	13.5.1	Welded mesh reinforcement MAG 500/560				
			kg	1,755.75		
				TOTAL M	IETAL WORK	
08.25.04.	13.10	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
08.25.04.01	13.10.3	installation as designed. Applying one layer of bitulite and one layer of hot bitumen				
08.23.04.01	15.10.5	onto concrete surfaces in contact with earth.	m ²	77.20		
08.25.04.02	13.10.10	Procurment, transport and instalation of metal rungs. Payment		11.20		
	12110110	per pieces	pc.	30.00		
		TOTAL FINISHING AN		RY WORKS	ON BRIDGES:	
			2 2			

Summary inlet structure at km 876+531.38	
08.25.01 EARTH WORKS	
08.25.02 CONCRETE	
08.25.03 METALWORK	
08.25.04 FINISHING AND SUNDRY WORKS ON BRIDGES	
TOTAL INLET at km 876+531.3	8

08. SUMMARY – Bridges	
8.01 Bridge km 874+286.563	
8.02 Overpass at km 874+080.470	
8.03 Bridge at km 875+371.465	
8.04 Bridge at km 876+319.196	
8.05 Bridge at km 876+973.313	
8.06 Bridge at km 877+386.56	
8.07 Bridge at km 878+305.468	
8.08 Bridge at km 878+394.758	
8.15 Top slab culvert at km 879+770.542 and inlect structure	
8.25 Inlet structure at km 876+531.38	
SUB-TOTAL	
Unforeseen work (5% of sub-total)	
TOTAL BRIDGES (8.):	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
10.01.01.		EARTH WORKS				
10.01.01.01.	3.2	Excavation of earth for foundations				
		This item includes excavation of II category earth forØ630				
		mm foundations with loading and transport of surplus				
		material to stockpiling area specified by the Engineer.				
		Measurement unit is m3.	m ³	45.00		
				TOTAL EA	RTH WORKS:	
10.01.02.		CONCRETE WORKS				
10.01.02.01.	8.3.6	Construction of prefabricated foundations with mB30				
		reinforced concrete				
		This item includes procurement, transport and placing of				
		prefabricated foundations, designed size: Ø600 mm,2.50 m				
		high including all related works.				
		Measurement unit is piece.	piece	57.00		
10.01.02.02.	8.3.6	Construction and placing of 396x50x11 reinforced	1			
		concrete sheet piles				
		This item includes procurement, transport and placing of				
		prefabricated sheet piles made of MB30 reinforced				
		concrete, 396x50x11 in size.				
		Measurement unit is piece.	piece	56.00		
			1			
10.01.05			ТОТ	AL CONCR	ETE WORKS:	
10.01.03.		REINFORCEMENT WORKS				
10.01.03.01.	10.01.03.01.	Procurement and erection of HEA140 steel posts				
		Price includes procurement, transport, assembly and				
		erection of steel posts made of HEA140 sections including				
		all related works.				
		Measurement unit is kg.	kg	5,965.05		
			AL REI	INFORCEM	ENT WORKS:	
10.01.04.		SUNDRIES				
10.01.04.01.	10.01.04.01.	Procurement and placing of absorptive sheet piles				
		This item includes procurement, tansport and placing of				
		absorptive sheet piles,396x50x11 in size.				
		Measurement unit is piece.	piece	362.00		

10.01. SUMMARY PROTECTION WALL 1-LEFTWARDS, from km 873+879,14 to km 874+ 109,76, L=224.0m	
10.01.01. EARTH WORKS	
10.01.02. CONCRETE WORKS	
10.01.03. REINFORCEMENT WORKS	
10.01.04. SUNDRIES	
<u>TOTAL PROTECTION WALL 1-LEFTWARDS, from km 873+879,14 to km 874+ 109,76, L=224.0m (10.01.):</u>	

10.02. PROTECTION WALL 2 -LEFTWARDS, from km 877+564,60 to km 878+163,76, L=604.0m

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
10.02.01.		EARTH WORKS				
10.02.01.01.	3.2	Excavation of earth for foundations				
		This item includes excavation of II category earth for				
		Ø630 mm foundations with loading and transport of				
		surplus material to stockpiling area specified by the				
		Engineer.				
		Measurement unit is m3.	m ³	120.00		
10.02.01.02.	3.4.1.3	Filling and leveling of stone aggregate				
		This item includes filling and leveling of stone aggregate				
		between reinforced concrete sheet piles and pavement				
		edge.				
		Measurement unit is m3.	m ³	98.00		
				TOTAL EA	RTH WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
10.02.02.		CONCRETE WORKS				
10.02.02.01.	8.3.6	Construction of prefabricated foundations with mB30				
		reinforced concrete				
		This item includes procurement, transport and placing of				
		prefabricated foundations, designed size: Ø600 mm,2.50 m				
		high including all related works.				
		Measurement unit is piece.	piece	152.00		
10.02.02.02.	8.3.6	Construction and placing of 396x50x11 reinforced				
		concrete sheet piles				
		This item includes procurement, transport and placing of				
		prefabricated sheet piles made of MB30 reinforced				
		concrete, 396x50x11 in size.				
		Measurement unit is piece.	piece	151.00		
			тот	AL CONCR	ETE WORKS:	
10.02.03.		REINFORCEMENT WORKS				
10.02.03.01.	10.02.03.01.	Procurement and erection of HEA140 steel posts				
		Price includes procurement, transport, assembly and				
		erection of steel posts made of HEA140 sections including				
		all related works.				
		Measurement unit is kg.	kg	15,412.85		
		ΤΟΤΑ	AL REI	NFORCEM	ENT WORKS:	
10.02.04.		SUNDRIES				
10.02.04.01.	10.02.04.01.	Procurement and placing of absorptive sheet piles				
		This item includes procurement, transport and placing of				
		absorptive sheet piles,396x50x11 in size.				
		Measurement unit is piece.	piece	916.00		
				ΤΟΤΑ	L SUNDRIES:	

10.02. SUMMARY PROTECTION WALL 2 –LEFTWARDS, from km 877+564,60 to km 878+163,76, L=604.0m	
10.02.01. EARTH WORKS	
10.02.02. CONCRETE WORKS	
10.02.03. REINFORCEMENT WORKS	
10.02.04. SUNDRIES	
<u>TOTAL PROTECTION WALL 2 – LEFTWARDS, from km 877+564,60 to km 878+163,76, L=604.0m(10.02.):</u>	

10. SUMMARY – ENVIRONMENTAL PROTECTION -PROTECTION WALLS	
10.01. WALL 1 LEFTWARDS from km 873+879,14 to km 874+109,76, L=224m	
10.02. WALL 2 LEFTWARDS from km 877+564,60 to km 878+163,76, L=604m	
SUB-TOTAL	
Unforeseen work (5% of sub-total)	
<u>TOTAL ENVIRONMENTAL PROTECTION -PROTECTION WALLS (10.):</u>	

11. Traffic-technical and service equipment for roads

11.01.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
		ELEMENTS OF TRAFFIC SIGNS AND				
11.01.01.		Reflective traffic sign with mounting accessories,	class 3:			
1 01 01 01	10 1 10 0 2	OPEN SECTION				
1.01.01.01	12.1,12.2,3	1200x1200x1200mm	pcs.	2		
1.01.01.02	12.1,12.2,3	I-24+2 fleshers	pes.	2		
1.01.01.02	12.1,12.2,5	1650x1400mm	pcs.	1		
1.01.01.03	12.1,12.2,3	I-24	pesi			
	;-	1500x1400mm	pcs.	1		
1.01.01.04	12.1,12.2,3	ІІ-29				
		ø900mm	pcs.	2		
1.01.01.05	12.1,12.2,3	II-30 (80)		-		
1 01 01 06	10.1.10.0.0	ø900mm	pcs.	2		
1.01.01.06	12.1,12.2,3	II-30 (100) ø900mm	2 00	2		
1.01.01.07	12.1,12.2,3	йябоннії III-26	pcs.	2		
1.01.01.07	12.1,12.2,5	ø900mm	pcs.	2		
1.01.01.08	12.1,12.2,3	III-17.1	pesi			
		400x200mm	pcs.	14		
1.01.01.09	12.1,12.2,3	III-56 (1)				
		1400x1200mm	pc.	1		
1.01.01.11	12.1,12.2,3	III-58				
1 01 01 10	10.1.10.0.0	2100x1200mm	pcs.	13		
1.01.01.12	12.1,12.2,3	3T3-1 2900x3200mm		1		
1.01.02.01	12.4	φ 60 x 2300 mm	pc.	1		
1.01.02.01	12.4		pcs.	14		
1.01.02.02		post sign	pesi	11		
			pcs.	4		
			TRAF	FIC SIGNS A	ND SIGNALS	
11.02.		ELEMENTS OF ROAD MARKINGS				
11.01		OPEN SECTION				
11.02.01.	12.5	continuous line (0.20m)				
			m ²	2,303.70		
11.02.02.		vibro continuous line (0.20m)				
			m ²	2,303.70		
11.02.03.		broken line, type C (0.2m)	m ²	1 007 07		
		6-12m	m	1,007.87		
				KUA	D MARKINGS	
11.03.		TRAFFIC EQUIPMENT - delivery + full instal	lation			
	12.6	OPEN SECTION				
11.3.01.	12.6	OPEN SECTION Double sided distance barrier		96		
11.3.01.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type	m	96		
	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier		96 28		
11.3.01.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type	m			
11.3.01. 11.3.02. 11.3.03.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5	m			
11.3.01. 11.3.02.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier	m	28 14710		
11.3.01. 11.3.02. 11.3.03. 11.3.04.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type	m	28		
11.3.01. 11.3.02. 11.3.03.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier	m	28 14710 312		
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3	m m m	28 14710		
11.3.01. 11.3.02. 11.3.03. 11.3.04.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier	m m 	28 14710 312 8		
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4	m	28 14710 312		
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier	m m 	28 14710 312 8		
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Single sided distance barrier	m m m	28 14710 312 8 2120		
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06. 11.3.07. 11.3.11.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Single sided distance barrier H2W4 Single sided distance barrier H2W4 Single sided distance barrier H2W4* on object Single sided barrier	m m m	28 14710 312 8 2120		
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06. 11.3.07.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Single sided distance barrier H2W4 Single sided distance barrier Single sided barrier Single sided barrier Single sided barrier	m m m	28 14710 312 8 2120 4616 8		
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06. 11.3.07. 11.3.11. 11.3.09.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Single sided distance barrier	m m m	28 14710 312 8 2120 4616		
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06. 11.3.07. 11.3.11.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Single sided distance barrier H2W4 Single sided distance barrier Single sided barrier Single sided barrier Single sided barrier	m m m m m m m m m	28 14710 312 8 2120 4616 8 47		
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06. 11.3.07. 11.3.11. 11.3.09. 11.3.10.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Single sided distance barrier H2W4* on object Single sided distance barrier H2W4* on object Single sided distance barrier H2W4* on object Single sided distance barrier H1W5-H2W4 crossing Direction sign	m m m m	28 14710 312 8 2120 4616 8		
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06. 11.3.07. 11.3.11. 11.3.09.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Single sided distance barrier	m m m m m m m m m m m	28 14710 312 8 2120 4616 8 47 84		
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06. 11.3.07. 11.3.11. 11.3.09. 11.3.10. 11.3.11.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Single sided distance barrier H2W4* on object Single sided distance barrier H2W4* on object Single sided distance barrier H2W4* on object Single sided distance barrier H1W5-H2W4 crossing Direction sign	m m m m m m m m m	28 14710 312 8 2120 4616 8 47		
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06. 11.3.07. 11.3.11. 11.3.09. 11.3.10.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Single sided distance barrier H2W4* on object Single sided distance barrier H2W4* on object Single sided distance barrier H2W4* on object Single sided distance barrier H1W5-H2W4 crossing Direction sign	m m m m m m m m m m m cs.	28 14710 312 8 2120 4616 8 47 84		
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06. 11.3.07. 11.3.11. 11.3.09. 11.3.10. 11.3.11.	12.6	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Single sided distance barrier H2W4 Single sided distance barrier H2W4* on object Single sided distance barrier H1W5-H2W4 crossing Direction sign Retroreflecting stud on safety barrier	m m m m m m m m m m m cs.	28 14710 312 8 2120 4616 8 47 84 1150 11	CEQUIPMENT	
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06. 11.3.07. 11.3.11. 11.3.09. 11.3.10. 11.3.11. 11.3.12.		OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Single sided distance barrier H2W4* on object Single sided distance barrier H1W5-H2W4 crossing Direction sign Retroreflecting stud on safety barrier Oblique ending of single-sided distance barrier, 12	m m m m m m m m m m m cs.	28 14710 312 8 2120 4616 8 47 84 1150 11		
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06. 11.3.07. 11.3.11. 11.3.09. 11.3.10. 11.3.11. 11.3.12.		OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Single sided distance barrier H2W4 Single sided distance barrier H2W4* on object Single sided distance barrier H1W5-H2W4 crossing Direction sign Retroreflecting stud on safety barrier	m m m m m m m m m m m cs.	28 14710 312 8 2120 4616 8 47 84 1150 11	CEQUIPMENT	
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06. 11.3.07. 11.3.11. 11.3.09. 11.3.10. 11.3.11. 11.3.12. . Summary -	– Traffic-techni	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Single sided distance barrier H2W4* on object Single sided distance barrier H1W5-H2W4 crossing Direction sign Retroreflecting stud on safety barrier Oblique ending of single-sided distance barrier, 12	m m m m m m m m m m m cs.	28 14710 312 8 2120 4616 8 47 84 1150 11	CEQUIPMENT	
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06. 11.3.07. 11.3.10. 11.3.10. 11.3.10. 11.3.11. 11.3.12. Summary - 11.01.01.	– Traffic-techn i TRAFFIC SIGN	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Consing Direction sign Retroreflecting stud on safety barrier Oblique ending of single-sided distance barrier, 12 Cal and service equipment for roads IS AND SIGNALS	m m m m m m m m m m m cs.	28 14710 312 8 2120 4616 8 47 84 1150 11	CEQUIPMENT	
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06. 11.3.07. 11.3.07. 11.3.10. 11.3.10. 11.3.10. 11.3.11. 11.3.12. . Summary - 11.01.01. 11.01.02.	– Traffic-tech ni TRAFFIC SIGN ROAD MARKI	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Single sided distance barrier H2W4 Single sided distance barrier H2W4* on object Single sided distance barrier H1W5-H2W4 crossing Direction sign Retroreflecting stud on safety barrier Oblique ending of single-sided distance barrier, 12 Cal and service equipment for roads NGS	m m m m m m m m m m m cs.	28 14710 312 8 2120 4616 8 47 84 1150 11	CEQUIPMENT	
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06. 11.3.07. 11.3.07. 11.3.10. 11.3.10. 11.3.10. 11.3.11. 11.3.12. . Summary - 11.01.01. 11.01.02.	– Traffic-techn i TRAFFIC SIGN	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Single sided distance barrier H2W4 Single sided distance barrier H2W4* on object Single sided distance barrier H1W5-H2W4 crossing Direction sign Retroreflecting stud on safety barrier Oblique ending of single-sided distance barrier, 12 Cal and service equipment for roads NGS	m m m m m m m m m m m cs.	28 14710 312 8 2120 4616 8 47 84 1150 11	CEQUIPMENT	
11.3.01. 11.3.02. 11.3.03. 11.3.04. 11.3.05. 11.3.06. 11.3.07. 11.3.10. 11.3.10. 11.3.10. 11.3.11. 11.3.12. . Summary - 11.01.01. 11.01.02. 11.01.03.	– Traffic-tech ni TRAFFIC SIGN ROAD MARKI	OPEN SECTION Double sided distance barrier H2W7 assembly-type Single sided distance barrier H1W4* on the road Single sided distance barrier H1W5 Sleeves for single sided distance barrier H1W5 assembly-type Single sided distance barrier H2W3 Single sided distance barrier H2W4 Single sided distance barrier H2W4 Single sided distance barrier H2W4* on object Single sided distance barrier H1W5-H2W4 crossing Direction sign Retroreflecting stud on safety barrier Oblique ending of single-sided distance barrier, 12 Cal and service equipment for roads NGS	m m m m m m m m m m m cs.	28 14710 312 8 2120 4616 8 47 84 1150 11	CEQUIPMENT	

1-130

14. Landscaping of road land strip Unit Item No. T.S. Work Description Quantity **Unit Price** Total 14.01.00 14.01.00 LANDSCAPING 14.01.01. 14.01.01. Procurement and planting of 8-10 year old plantlets of high conifers. Cylindrical planting pits, 1.00x1.00 m shall be excavated, detritus, barren soil and other damaging substances removed from the pit and plantlets bedded with mix of humus, peat fertilizer and sand in approximate proportion 6:3:1 to 2/3 of pit volume. The top third of pit shall be enriched with peat fertilizer of prescribed quantity (20 kg per plantlet). Sand content in the mix depends on soil substrate structure. After planting ground shall be bowl-shaped and plantlets abundantly watered. Other operations shall be performed in accordance with attached General conditions of landscaping. PINUS NIGRA 22 pcs. Procurement and planting of 10-12 year old plantlets of 14.01.02. 14.01.02. high deciduous trees. Cylindrical planting pits, 1.00x1.00 m shall be excavated, detritus, barren soil and other damaging substances removed from the pit and plantlets bedded with mix of humus, peat fertilizer and sand in approximate proportion 6:3:1 to 2/3 of pit volume. The top third of pit shall be enriched with peat fertilizer of prescribed quantity (25 kg per plantlet). Sand content in the mix depends on soil substrate structure. Plantlets shall be fixed to rod of specified height with rounded top placed prior to covering up the clods taking care not to damage the root system. After planting ground shall be bowl-shaped and plantlets abundantly watered. Other operations shall be performed in accordance with attached General conditions of landscaping TILIA ARGENTEA 15 pcs. 3 ACER PLATANOIDES pcs. FRAXINUS ANGUSTIFOLIA pcs. 17 14.01.03. 14.01.03. Procurement and planting of 6-8 year old plantlets of medium high conifers. Cylindrical planting pits, 0.80x0.80 m shall be excavated, detritus, barren soil and other damaging substances removed from the pit and plantlets bedded with mix of humus, peat fertilizer and sand in approximate proportion 6:3:1 to 2/3 of pit volume. The top third of pit shall be enriched with peat fertilizer of prescribed quantity (10 kg per plantlet). Sand content in the mix depends on soil substrate structure. After planting ground shall be bowl-shaped and plantlets abundantly watered. Plantlets shall be baled for transport to prevent drying of root system. Other operations shall be performed in accordance with attached General conditions of landscaping. TAXUS BACCATA 11 pcs.

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
14.01.04.	14.01.04.	Procurement and planting of 6-8 year old plantlets of medium high and small deciduous trees. Cylindrical planting pits, 0.80x0.80 m shall be excavated, detritus, barren soil and other damaging substances removed from the pit and plantlets bedded with mix of humus, peat fertilizer and sand in approximate proportion 6:3:1 to 2/3 of pit volume. The top third of pit shall be enriched with peat fertilizer of prescribed quantity (15 kg per plantlet). Sand content in the mix depends on soil substrate structure. After planting ground shall be bowl- shaped and plantlets abundantly watered. Plantlets shall be baled for transport to prevent drying of root system. Other operations shall be performed in accordance with attached General conditions of landscaping.				
		CRATAEGUS NIGRA	pcs.	18		
		ACER CAMPESTRE	pcs.	17		
		FRAXINUS ORNUS	pcs.	15		
		PRUNUS CERASIFERA "NIGRA"	pcs.	24		
		SAMBUCUS NIGRA	pcs.	61		
		ELEAGNUS ANGUSTIFOLIA	pcs.	40		
		CORNUS MAS "VARIEGATA"	pcs.	35		
		COTINUS COGGYGRIA	pcs.	14		
14.01.05.	14.01.05.	SYRINGA VULGARIS Procurement and planting of 3-5 year old plantlets of deciduous shrubs and creepers. Cylindrical planting pits, 0.4x0.4 m shall be excavated and plantlets bedded by using mix of humus, peat fertilizer and sand in approximate proportion 6:3:1 to 2/3 of pit volume. The top third of pit shall be enriched with peat fertilizer of prescribed quantity (3 kg per plantlet). Sand content in the mix depends on soil substrate structure. Appropriate number of plantlets shall be bedded in the area of one m2 depending on the sort. Other operations shall be performed in accordance with attached General conditions of landscaping.	pcs.	90		
		CORNUS ALBA	pcs.	252		
		CORNUS SANGUINEA	pcs.	446		
		TAMARIX PENTANDRA	pcs.	282		
		PHILADELPHUS CORONARIUS	pcs.	252		
		SPIRAEA X VANHOUTTEI	pcs.	410		
		ROSA RUGOSA	pcs.	376		
		FORSITHIA X INTERMEDIA	pcs.	1026		
		LONICERA CAPRIFOLIUM	pcs.	114		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
14.01.06.	14.01.06.	Procurement and planting of 3-5 year old plantlets of				
		evergreen shrubs. Cylindrical planting pits, 0.4x0.4 m				
		shall be excavated and plantlets bedded by using mix of				
		humus, peat fertilizer and sand in approximate				
		proportion 6:3:1 to 2/3 of pit volume. The top third of pit				
		shall be enriched with peat fertilizer of prescribed				
		quantity (3 kg per plantlet). Sand content in the mix				
		depends on soil substrate structure. Appropriate number				
		of plantlets shall be bedded in the area of one m2				
		depending on the sort. Other operations shall be				
		performed in accordance with attached General				
		conditions of landscaping.				
		PRUNUS LAUROCERASUS	pcs.	523		
				164		
		PYRACANTHA COCCINEA	pcs.	164		
		VIBURNUM RHYTIDOPHILLUM	pcs.	115		
				TOTAL LA	ANDSCAPING:	
14.02.00.	14.02.00.	MAINTENANCE				
14.02.01.	14.02.01.					
1.11021011	1	Capital maintenance of green areas includes all greenery				
		maintenance and cultivation operations, watering,				
		sprinkler irrigation, hoeing, formation (pruning) of				
		hedge, lawn cut and protection of plants against				
		entomological and phytopathological damages. It				
		amounts to 20% approximately of landscaping				
		investment value for one year period.		lump sun	n	
		intestition vince for one your periodi			INTENANCE:	
Immary I a	ndscaning	f road land strip (14.):				
-	LANDSCA	-			Г	

Summary Landscaping of road land strip (14.):	
14.01.00 LANDSCAPING	
14.02.00 MAINTENANCE	
SUB-TOTAL	
Unforeseen work (5% of sub-total)	
TOTAL Landscaping of road land strip (14.):	

Technical infrastructure DESIGN FOR DISPLACEMENT AND PROTECTION OF 10 kV AND 1 kV POWER LINES

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.00.00		10 kV, Al/Č 3x50/8 mm ² overhead line "Grdelic	a - Palojce'	' - spur line to	o Graovo at km	876+577
01.01.00	01 01 01	CIVIL WORKS	[]		1	
01.01.01	01.01.01	Dismantling of the existing old masts which are out of function (2 pcs.) and 3 new concrete masts				
		including transport to the nearest warehouse				
		directed by the Investor (up to distance of 5 km).				
			pcs.	5.00		
01.01.02	16.2.2.	Construction of reinforced concrete foundation for				
		the new steel lattice mast 12/1900. The item				
		includes the following works:				
01.01.02.01	16.2.2.	EARTH WORKS				
01.01.02.01	10.2.2.					
		Excavation of III category earth including all				
		needed supports and transport to stockpiling area. Payment per m ³ of "net" excavated earth within				
		outer dimensions of the structure.				
			m ³	27.00		
		Backfilling of over-excavated area with earth in				
		30 cm thick layers including compaction of each layer to modulus of compressibility Ms=30 MPa				
		and backfilling of abandoned manholes.				
		Payment per m^3 of compacted earth.				
		r dynieni per in or compueted cultur				
			m ³	16.00		
01.01.02.02	16.2.2.	WORKS ON PLAIN AND REINFORCED CON	NCRETE		1	1
		Foundation of reinforced concrete MB 30, V-6	3	11.00		
0101.02.03	16.2.2.	impermeability and m-150 frost resistance. REINFORCEMENT WORKS	m³	11.00		
0101.02.05	10.2.2.				1	
		Measurement includes all labor, procurement and				
		transport, wire-brushing, cutting, mechanical				
		bending and fixing of reinforcing bars according				
		to designed details and quality. Payment per kg of fixed reinforcing bars.				
		RA 400/500-2.				
			kg	690.00		
		Total construction of foundation for steel lattice				
		mast 12/19000 and laying of Ø110 pipes for cables. All materials and work included.	complete	2.00		
	1	cubics. The indentias and work mended.			CIVIL WORKS:	
01.02.00		Electrical and installation works		101111		
01.02.00	01.02.01	Dismantling of the existing mast equipment and				
01.02.01	01.02.01	Al/Č conductor as well as transport to the nearest				
		warehouse as directed by the Investor (up to				
		distance of 5 km).	complete	3.00		
01.02.02	01.02.02	Delivery and erection of new steel lattice mast				
		EBB 12/1900 according to supplier's erection				
		plan. The mast shall be delivered together with				
		suitable tension cantilevers for semi-vertical				
		arrangement of conductors in the mast top section				
		including all needed supports for equipment to be				
		mounted onto mast. All materials and work	pcs.	2.00		
01.02.03	16.2.4.8.	Installation of earth electrode for the mast. The				
-		item includes earth excavation, procurement and				
		installation of Ø10 mm earth electrode of				
		galvanized iron. The earth electrode shall have				
		two rings: one ring will be placed at depth of 0.5				
		m and at distance of 1 m from the mast edge				
		while the other ring will be placed at depth of 0.8-				
		1 m and at distance of 2 m at least from the mast				
		edge, as shown on the drawing. All materials and				
		work included.	complete	2.00		
01.02.04	16.2.4.8. 16.2.4.5.	The following equipment shall be delivered and	complete	2.00		1
	1.	mounted onto newly designed 12/1900 steel				
		lattice mast:				
	1	- double tension insulator string with long rod				
					1	1
		insulators, 10 kV - 3 pcs.				
		insulators, 10 kV - 3 pcs.				
		insulators, 10 kV - 3 pcs. - single tension insulator string with long rod insulators, 10 kV - 3 pcs. Other accessories necessary for fixing equipment				
		insulators, 10 kV - 3 pcs. - single tension insulator string with long rod insulators, 10 kV - 3 pcs.	complete	2.00		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.02.05	01.02.05	Delivery, mounting and tensioning of Al/Č 3x50/8				
		mm2 strand to newly designed steel lattice masts.				
		All materials and work included.				
			m	150.00		
01.02.06	01.02.06	Control of performed works, carrying out all				
		required tests and issuing relevant certificates and				
		putting into operation.		lump sum	1	
01.02.07	01.02.07	Switching off the voltage and safeguarding the				
		site.		lump sum	1	
		TOTAL ELECT	RICAL AN	D INSTALLA	TION WORKS:	

ummary 10 kV, Al/Č 3x50/8 mm2 overhead line "Grdelica - Palojce" - spur line to Graovo			
01.01.00 TOTAL CIVIL WORKS:			
01.02.00 TOTAL ELECTRICAL AND INSTALLATION WORKS:			

TOTAL 10 kV, Al/Č 3x50/8 mm2 overhead line "Grdelica - Palojce" - spur line to Graovo

Note: After visual inspection of functional reinforced concrete mast located on the left in the crossing span, it was found out that the mast is in very good order. However, since data about the abovementioned mast are not available and it was not possible to prove that the mast is satisfactory, the design engineer decided to replace it with a new steel lattice mast. If the Contractor, in coordination with representatives of ED Leskovac, obtains all required data and proves that the existing reinforced concrete mast is satisfactory, there is no need for its replacement.

35 kV transmission line Grdelica - Predejane

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
2		CIVIL WORKS				
2.1	16.3.4.	Preliminary and finishing works				
2.1.1	16.3.4	Establishment of site, construction and repair of				
		access roads, preparation of ground at mast				
		support points, control and inspection of				
		performed works.				
		Measurement: lump sum		lump sum	1	
•			Total pre		inishing works:	
2.2	16.2.2	Earth works	1 oran bi (, unu i		
2.2.1	16.2.2	Excavation of II and III category earth for mast		1	<u>г</u>	
2.2.1	10.2.2	0.1				
		foundations.	m ³	817 17		
222	16.2.2	Measurement per m3	m	847.47		
2.2.2	16.2.2	Compaction of earth around foundations in 30 cm				
		thick layers and necessary wetting.	m ³	100.45		
2.2.2	1600	Measurement per m3	m	460.45		
2.2.3	16.2.2	Haulage of earth after ground leveling at mast				
		support points.	m ³	225 50		
		Measurement per m3	m	235.50		
					tal earth works:	
2.3	16.2.2	Works on plain and reinforced concrete with rei	nforcing b	oars		
2.3.1	16.2.2	Casting in situ of mast foundations with concrete,				
		MB 20 class. Necessary formwork and reinforcing				
		bars are given separately.				
		Measurement per m3 of concrete	m ³	363.03		
2.3.2	16.2.2	Procurement, transport, straightening, wire-				
		brushing, cutting, bending and fixing of ribbed				
		reinforcing bars G.A. 240/360				
		Measurement per kg of reinforcing bars	kg	7,339.00		
		Total Works on plain and re	einforced	concrete with r	einforcing bars	
2.4	16.2.2	Carpentry works				
2.4.1	16.2.2	Fabrication, placing and dismantling of				
		foundation formwork (30% of needed formwork				
		measured)				
		Measurement per m2	m^2	142.00		
				Total ca	arpentry works:	
2.5	16.3.2.	Steel structure			r j	
2.5	16.3.2					
2.3.1	10.5.2	Procurement and assembly of galvanized steel				
		structure with all necessary connection pieces.				
		The unit price includes trial mast erection.				
		Measurement per one tone of structure	t	40.972		
2.5.2	16.3.2	Taking over and transport of structural members	i			
2.5.2	10.5.2	to the site.				
			t	40.972		
		Measurement per one tone of structure				
253	1632	Measurement per one tone of structure Sorting and transport of structural members to the	ι	40.972		
2.5.3	16.3.2	Measurement per one tone of structure Sorting and transport of structural members to the mast support point.	<u> </u>	40.972		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
2.5.4	16.3.2	Centering of mast anchors prior to grouting with concrete.				
		Measurement per one mast	pcs.	29.00		
2.5.5	16.3.2	Assembly and erection of masts. The price	1			
		includes applying of zincolite coat over all				
		overlaps in joints. Measurement per one tone of structure	t	40.972		
		Measurement per one tone of structure	ť		steel structure:	
2.6		Earthing		- • • • •		
2.6.1	2.6.1	Installation of earth electrode made of galvanized				
		round steel bars, Φ 10 mm, according to designed				
		details and drawing including all needed materials and works.				
		Measurement per one mast	pcs.	29.00		
			*		Total earthing:	
2.7		Dismantling and removal of the existing masts				
2.7.1	2.7.1	Dismantling of the existing conductor 3 x strand				
		Cu 35 mm^2 and transport to warehouse.				
		Measurement per km of the existing route.	km	4 241		
2.7.2	2.7.2	Dismantling of insulator strings and transport to	KIII	4.241		
	21712	warehouse.				
		Measurement per one mast	pcs.	51.00		
2.7.3	2.7.3	Dismantling of the existing wooden masts and				
		transport to warehouse. Measurement per one mast	pcs.	49.00		
2.7.4	2.7.4	Dismantling of the existing steel lattice masts and	P	.,		
		transport to warehouse. Measurement per one				
		mast.		2.00		
2.7.5	2.7.5	Measurement per one mast	pcs.	2.00		
2.7.5	2.1.5	Demolition of the existing steel lattice mast				
		foundations to depth of 1 m and ground leveling. Measurement per one mast				
		Weasurement per one mast	pcs.	2.00		
				То	tal dismantling:	
3.1 3.1.1	16.3.3. 16.3.3	Equipment and materials Strand SRPS (JUS) N.C1.351-95/15-Al/Č			Г Г	
3.1.1	10.5.5	(26x1.85+7x1.44)	kg	5,270.00		
3.1.2	16.3.3	Rod insulators L70 BE 310				
3.1.3	16.3.3	Rod insulators L70 BE 380	pcs.	87.00		
5.1.5		NOU IIISUIAIOIS L/V DE 300				
	10.5.5		pcs.	72.00		
3.1.4	16.3.3	Fittings for JN insulator string	pcs.	72.00		
	16.3.3	Fittings for JN insulator string	pcs.	72.00 30.00		
3.1.4 3.1.5			pcs.	30.00		
	16.3.3	Fittings for JN insulator string	•			
3.1.5 3.1.6	16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string	pcs.	30.00		
3.1.5	16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string	pcs. pcs. pcs.	30.00 18.00 57.00		
3.1.5 3.1.6 3.1.7	16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string	pcs.	30.00 18.00		
3.1.5 3.1.6	16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string	pcs. pcs. pcs.	30.00 18.00 57.00		
3.1.5 3.1.6 3.1.7	16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast	pcs. pcs. pcs. pcs. pcs.	30.00 18.00 57.00 6.00 15.00		
3.1.53.1.63.1.73.1.83.1.9	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast No. 19)	pcs. pcs. pcs. pcs.	30.00 18.00 57.00 6.00		
3.1.5 3.1.6 3.1.7 3.1.8	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast	pcs. pcs. pcs. pcs. pcs. pcs.	30.00 18.00 57.00 6.00 15.00		
3.1.53.1.63.1.73.1.83.1.9	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast No. 19)	pcs. pcs. pcs. pcs. pcs.	30.00 18.00 57.00 6.00 15.00 3.00 39.00		
 3.1.5 3.1.6 3.1.7 3.1.8 3.1.9 3.1.10 	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast No. 19) Plates for marking phases.	pcs. pcs. pcs. pcs. pcs. pcs. pcs. pcs.	30.00 18.00 57.00 6.00 15.00 3.00 39.00 29.00		
3.1.5 3.1.6 3.1.7 3.1.8 3.1.9 3.1.10 3.1.11	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast No. 19) Plates for marking phases. Warning plate with mast number.	pcs. pcs. pcs. pcs. pcs. pcs. pcs. pcs.	30.00 18.00 57.00 6.00 15.00 3.00 39.00 29.00	t and materials:	
3.1.5 3.1.6 3.1.7 3.1.8 3.1.9 3.1.10 3.1.11 3.2	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast No. 19) Plates for marking phases. Warning plate with mast number.	pcs. pcs. pcs. pcs. pcs. pcs. pcs. pcs.	30.00 18.00 57.00 6.00 15.00 3.00 39.00 29.00	t and materials:	
3.1.5 3.1.6 3.1.7 3.1.8 3.1.9 3.1.10 3.1.11	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast No. 19) Plates for marking phases. Warning plate with mast number. Works Transport of equipment and materials from	pcs. pcs. pcs. pcs. pcs. pcs. pcs. pcs.	30.00 18.00 57.00 6.00 15.00 3.00 39.00 29.00 otal equipmen		
3.1.5 3.1.6 3.1.7 3.1.8 3.1.9 3.1.10 3.1.11 3.2	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast No. 19) Plates for marking phases. Warning plate with mast number. Works Transport of equipment and materials from warehouse to mast support points.	pcs. pcs. pcs. pcs. pcs. pcs. pcs. pcs.	30.00 18.00 57.00 6.00 15.00 3.00 39.00 29.00		
3.1.5 3.1.6 3.1.7 3.1.8 3.1.9 3.1.10 3.1.11 3.2 3.2.1	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast No. 19) Plates for marking phases. Warning plate with mast number. Works Transport of equipment and materials from	pcs. pcs. pcs. pcs. pcs. pcs. pcs. pcs.	30.00 18.00 57.00 6.00 15.00 3.00 39.00 29.00 otal equipmen		
3.1.5 3.1.6 3.1.7 3.1.8 3.1.9 3.1.10 3.1.11 3.2 3.2.1 3.2.2	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast No. 19) Plates for marking phases. Warning plate with mast number. Works Transport of equipment and materials from warehouse to mast support points. Acceptance and sorting of electrical equipment and materials on the site (according to the bill of quantities)	pcs. pcs. pcs. pcs. pcs. pcs. pcs. pcs.	30.00 18.00 57.00 6.00 15.00 3.00 39.00 29.00 otal equipmen	1	
3.1.5 3.1.6 3.1.7 3.1.8 3.1.9 3.1.10 3.1.11 3.2 3.2.1	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast No. 19) Plates for marking phases. Warning plate with mast number. Works Transport of equipment and materials from warehouse to mast support points. Acceptance and sorting of electrical equipment and materials on the site (according to the bill of quantities) Reinforcing of masts, mounting of insulator	pcs. pcs. pcs. pcs. pcs. pcs. pcs. pcs.	30.00 18.00 57.00 6.00 15.00 3.00 39.00 29.00 otal equipmen lump sum	1	
3.1.5 3.1.6 3.1.7 3.1.8 3.1.9 3.1.10 3.1.11 3.2 3.2.1 3.2.2	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast No. 19) Plates for marking phases. Warning plate with mast number. Works Transport of equipment and materials from warehouse to mast support points. Acceptance and sorting of electrical equipment and materials on the site (according to the bill of quantities)	pcs. pcs. pcs. pcs. pcs. pcs. pcs. pcs.	30.00 18.00 57.00 6.00 15.00 3.00 39.00 29.00 otal equipmen lump sum	1	
3.1.5 3.1.6 3.1.7 3.1.8 3.1.9 3.1.10 3.1.11 3.2 3.2.1 3.2.2 3.2.1 3.2.2 3.2.3 3.2.4	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast No. 19) Plates for marking phases. Warning plate with mast number. Works Transport of equipment and materials from warehouse to mast support points. Acceptance and sorting of electrical equipment and materials on the site (according to the bill of quantities) Reinforcing of masts, mounting of insulator strings Pulling out of conductors	pcs. pcs. pcs. pcs. pcs. pcs. pcs. pcs.	30.00 18.00 57.00 6.00 15.00 3.00 39.00 29.00 otal equipmen lump sum	1	
3.1.5 3.1.6 3.1.7 3.1.8 3.1.9 3.1.10 3.1.11 3.2 3.2.1 3.2.2 3.2.2 3.2.3	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast No. 19) Plates for marking phases. Warning plate with mast number. Works Transport of equipment and materials from warehouse to mast support points. Acceptance and sorting of electrical equipment and materials on the site (according to the bill of quantities) Reinforcing of masts, mounting of insulator strings	pcs. pcs. pcs. pcs. pcs. pcs. pcs. Tr	30.00 18.00 57.00 6.00 15.00 3.00 39.00 29.00 otal equipmen lump sum 29.00 4.322	1	
3.1.5 3.1.6 3.1.7 3.1.8 3.1.9 3.1.10 3.1.11 3.2.1 3.2.2 3.2.1 3.2.2 3.2.3 3.2.4 3.2.5	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast No. 19) Plates for marking phases. Warning plate with mast number. Works Transport of equipment and materials from warehouse to mast support points. Acceptance and sorting of electrical equipment and materials on the site (according to the bill of quantities) Reinforcing of masts, mounting of insulator strings Pulling out of conductors Tensioning of conductors	pcs. pcs. pcs. pcs. pcs. pcs. pcs. pcs.	30.00 18.00 57.00 6.00 15.00 3.00 39.00 29.00 otal equipmen lump sum 29.00	1	
3.1.5 3.1.6 3.1.7 3.1.8 3.1.9 3.1.10 3.1.11 3.2 3.2.1 3.2.2 3.2.1 3.2.2 3.2.3 3.2.4	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast No. 19) Plates for marking phases. Warning plate with mast number. Works Transport of equipment and materials from warehouse to mast support points. Acceptance and sorting of electrical equipment and materials on the site (according to the bill of quantities) Reinforcing of masts, mounting of insulator strings Pulling out of conductors	pcs. pcs. pcs. pcs. pcs. pcs. pcs. Tr	30.00 18.00 57.00 6.00 15.00 3.00 39.00 29.00 otal equipmen lump sum 29.00 4.322	1	
3.1.5 3.1.6 3.1.7 3.1.8 3.1.9 3.1.10 3.1.11 3.2.1 3.2.2 3.2.1 3.2.2 3.2.3 3.2.4 3.2.5	16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3 16.3.3	Fittings for JN insulator string Fittings for DNp insulator string Fittings for JZ insulator string Fittings for JZp insulator string Fittings for DZp insulator string Weight 25 kg (to be applied on the mast No. 19) Plates for marking phases. Warning plate with mast number. Works Transport of equipment and materials from warehouse to mast support points. Acceptance and sorting of electrical equipment and materials on the site (according to the bill of quantities) Reinforcing of masts, mounting of insulator strings Pulling out of conductors Tensioning of conductors	pcs. pcs. pcs. pcs. pcs. pcs. pcs. Tr	30.00 18.00 57.00 6.00 15.00 3.00 39.00 29.00 otal equipmen lump sum 29.00 4.322	1	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
3.2.9	16.3.3	Mounting of plates for marking phases				
			pcs.	39.00		
3.2.10	16.3.3	Measurement of earthing resistance of masts				
			pcs.	29.00		
					Total works:	

Summary 35 kV transmission line Grdelica - Predejane	
2.1 Preliminary and finishing works	
2.2 Earth works	
2.3 Works on plain and reinforced concrete with reinforcing bars	
2.4 Carpentry works	
2.5 Steel structure	
2.6 Earthing	
2.7 Dismantling and removal of the existing masts	
3.1 Equipment and materials	
3.2 Works	
TOTAL 35 kV transmission line Grdelica - Predejane	

DESIGN FOR DISPLACEMENT AND PROTECTION OF THE EXISTING TELECOMMUNICATION SYSTEM

DESIGN FOR DI	SPLACEMENT AN	ND PROTECTION OF THE EXISTING TELECON		ATION SYSTI					
Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total			
	erred to material incl	ude its delivery.							
12.5.01.00	COLLISION 1 - OVERLAPPING OF THE EXISTING TELECOMMUNICATION OPTIC CABLE AND THE PLANNED								
	HIGHWAY ALIO	GNMENT from 874+415.00 km to 875+365.00 km							
Collision 1 - mate	rial								
12.5.01.01	15.4.1.	Straight splice for optic cable with splice cassette							
1210101101	101111	for 48 fibers, necessary material, holder and heat							
		shrink pipe.	pcs.	2.00					
12.5.01.02	15.4.1.	Optic cable, type TOSM 03 (8x6)xIIx0.4x3.5							
		CMAN	m	955.00					
12.5.01.03	15.4.1.	PE hose, Ø40							
			m	1,910.00					
12.5.01.04	15.4.1.	PVC pipe, 1xØ110							
			m	56.00					
12.5.01.05	15.4.1.	Plug for pipe, Ø40 mm							
			pcs.	4.00					
12.5.01.06	15.4.1.	Plug for pipe, Ø110 mm							
			pcs.	4.00					
12.5.01.07	15.4.1.	PVC cable shield, 1 m							
			pcs.	955.00					
12.5.01.08	15.4.1.	Concrete post for marking straight cable route							
			pcs.	10.00					
12.5.01.09	15.4.1.	Concrete post for marking turning points in cable							
		route	pcs.	5.00					
12.5.01.10	15.4.1.	Identification and warning tape with aluminum							
		backing	m	955.00					
12.5.01.11	15.4.1.	Sand							
			m ³	171.90					
			тот	AL COLLISIO	ON 1 - material:				
Collision 1 – work	s								
12.5.01.12	15.4.2.2.	Routing							
			m	955.00					
12.5.01.13	12.5.01.13	Detection of the existing cable routes by cable							
		detector and pegging out.	m	990.00					
12.5.01.14	15.4.2.2.	Manual excavation of 0.6 m x 1.2 m trench in III							
		category earth	m	955.00					
12.5.01.15	15.4.2.2.	Backfilling of 0.6 m x 1.2 m trench and							
		compaction of earth in layers	m	955.00					
12.5.01.16	15.4.2.2.	Spreading of sand in trench							
			m	955.00					
12.5.01.17	15.4.2.3.	Placing 50 cm thick sand layer onto cable splices							
			pcs.	2.00					
12.5.01.18	15.4.2.2.	Laying of Ø40 mm pipe into excavated trench		1 0 1 0 0 0					
			m	1,910.00					
12.5.01.19	12.5.01.19	Plugging of Ø40 mm pipe		4.00					
10 5 01 00	15 4 9 9		pcs.	4.00					
12.5.01.20	15.4.2.3.	Placing concrete post for marking pipe ends and		15.00					
		turning points in cable route.	pcs.	15.00					

Itana Na	тс	Ward Description	I Init	Quantity	Unit Drice	Total
Item No. 12.5.01.21	T.S. 15.4.2.3.	Work Description	Unit	Quantity	Unit Price	Total
12.3.01.21	13.7.2.3.	Excavation and backfilling of trench enlargements				
		for cable splicing along with planting concrete				
		post and placing two PVC shields	pcs.	2.00		
12.5.01.22	15.5.1.	Drawing optic cable through pipe		055.00		
12.5.01.23	12.5.01.23	Straight cable splicing in trench on optic cable of	m	955.00		
12.5.01.25	12.5.01.25	48 fibers	pcs.	2.00		
12.5.01.24	15.5.2.	Electrical measurements on optic cable prior to	pes.	2.00		
		cable laying	pc.	1.00		
12.5.01.25	15.5.2.	Electrical measurements on optic cable after cable				
12.5.01.26	12.5.01.26	splicing	pc.	1.00		
12.5.01.26	12.5.01.20	Preparation of as-built technical documentation	m	955.00		
12.5.01.27	12.5.01.27	Geodetic surveys and mapping up to 1 km		755.00		
			m	955.00		
12.5.01.28	15.4.1.	Placing identification and warning tape with				
		aluminum backing	m	955.00		
			TC	DTAL COLLIS	SION 1 - works:	
		T	DTAL CO	LLISION 1 - r	naterial+works:	
12.5.02.00	COLLISION 2 - C	OVERLAPPING OF THE EXISTING TELECOM	MUNICAT	TION OPTIC	CABLE AND TH	HE PLANNED
		SNMENT from 878+750.00 km to 879+100.00 km				
Collision 2 – mate	rial					
12.5.02.01	15.4.1.	Straight splice for optic cable with splice cassette				
		for 48 fibers, necessary material, holder and heat		2.00		
12.5.02.02	15 / 1	shrink pipe. Optic cable, type TOSM 03 (8x6)xIIx0.4x3.5	pcs.	2.00		
12.5.02.02	15.4.1.	Optic cable, type TOSM 03 (8x6)xIIx0.4x3.5 CMAN	m	700.00		
12.5.02.03	15.4.1.	PE hose, Ø40		700.00		
			m	680.00		
12.5.02.04	15.4.1.	Plug for pipe, Ø40 mm				
10 5 00 05	15.4.1		pcs.	4.00		
12.5.02.05	15.4.1.	PVC cable shield, 1 m	P 26	340.00		
12.5.02.06	15.4.1.	Concrete post for marking straight cable route	pcs.	340.00		
12.5.02.00	15.4.1.	concrete post for marking straight cable route	pcs.	3.00		
12.5.02.07	15.4.1.	Concrete post for marking turning points in cable	•			
		route	pcs.	2.00		
12.5.02.08	15.4.1.	Identification and warning tape with aluminum	m	700.00		
12.5.02.09	15.4.1.	backing Sand	m	700.00		
			m ³	61.20		
			тот	AL COLLISI	ON 2 - material:	
Collision 2 – work	s					
12.5.02.10	15.4.2.2.	Routing				
			m	340.00		
12.5.02.11	12.5.02.11	Detection of the existing cable routes by cable		715.00		
12.5.02.12	15.4.2.2.	detector and pegging out. Manual excavation of 0.6 m x 1.2 m trench in III	m	715.00		
12.3.02.12	13.4.2.2.	category earth	m	340.00		
12.5.02.13	15.4.2.2.	Backfilling of 0.6 m x 1.2 m trench and		2.0.00		
		compaction of earth in layers	m	340.00		
12.5.02.15	15.4.2.2.	Spreading of sand in trench		240.00		
1250216	15.4.2.3.		m	340.00		
12.5.02.16	13.4.2.3.	Placing 50 cm thick sand layer onto cable splices	pcs.	2.00		
12.5.02.17	15.4.2.2.	Laying of Ø40 mm pipe into excavated trench	P~3.	2.00		
			m	680.00		
12.5.02.18	12.5.02.18	Plugging of Ø40 mm pipe				
12 5 02 10	15 4 0 0	Dissing concepts good for words in the line of	pcs.	4.00		
12.5.02.19	15.4.2.3.	Placing concrete post for marking pipe ends and turning points in cable route.	pcs.	5.00		
12.5.02.20	15.4.2.3.		P*0.	2.00		
		Excavation and backfilling of trench enlargements				
		for cable splicing along with planting concrete post and placing two PVC shields				
10 5 00 51	1		pcs.	2.00		
12.5.02.21	15.5.1.	Drawing optic cable through pipe	m	700.00		
12.5.02.22	12.5.02.22	Straight cable splicing in trench on optic cable of	m	700.00		
12.3.02.22	12.3.02.22	48 fibers	pcs.	2.00		
12.5.02.23	12.5.02.23	Pulling the existing cable out from pipe				
			m	340.00		
12.5.02.24	12.5.02.24	Joining new PE hoses, Ø40 to the existing ones		1.00		
	ļ		pcs.	4.00	<u> </u>	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
12.5.02.25	15.5.2.	Electrical measurements on optic cable prior to cable laying	nc	1.00		
12.5.02.26	15.5.2.	Electrical measurements on optic cable after cable	pc.	1.00		
		splicing	pc.	1.00		
12.5.02.27	12.5.02.27	Preparation of as-built technical documentation	m	955.00		
12.5.02.28	12.5.02.28	Geodetic surveys and mapping up to 1 km	m	955.00		
12.5.02.29	15.4.1.	Placing identification and warning tape with				
		aluminum backing	m	955.00		
					SION 2 - works:	
		TO	OTAL CO	LLISION 2 - n	naterial+works:	
12.5.03.00		THE EXISTING TELECOMMUNICATION OPTI SNMENT from 879+475.00 km to 879+625.00 km	C CABLE	RUNNING IN	N PARALLEL WI	FH PLANNED
ollision 3 – mate	erial					
12.5.03.01	15.4.1.	PVC pipe, 1xØ110	m	320.00		
12.5.03.02	15.4.1.	Plug for pipe, Ø40 mm				
12.5.03.04	15.4.1.	Comb for two pipes, Ø110 mm	pcs.	4.00		
			pcs.	20.00		
12.5.03.05	15.4.1.	PVC cable shield, 1 m	pcs.	160.00		
12.5.03.06	15.4.1.	Concrete post for marking straight cable route	pes.	100.00		
			pcs.	2.00		
12.5.03.07	15.4.1.	Concrete post for marking turning points in cable route	pcs.	2.00		
12.5.03.08	15.4.1.	Identification and warning tape with aluminum backing	m	160.00		
12.5.03.09	15.4.1.	Sand				
			m ³	28.80		
	-		101	AL COLLISIC	ON 3 - material:	
ollision 3 – wor 12.5.03.10	ks 15.4.2.2.	Routing				
12.5.05.10	13.4.2.2.	Kouting	m	160.00		
12.5.03.11	12.5.03.11	Detection of the existing cable routes by cable detector and pegging out.	m	160.00		
12.5.03.12	15.4.2.2.	Manual excavation of 0.6 m x 1.2 m trench in III	111	100.00		
		category earth	m	160.00		
12.5.03.13	15.4.2.2.	Backfilling of 0.6 m x 1.2 m trench and compaction of earth in layers	m	160.00		
12.5.03.14	12.5.03.14	Placing combs into trench	m	100.00		
10 5 00 15	15 4 9 9		pcs.	20.00		
12.5.03.15	15.4.2.2.	Spreading of sand in trench	m	160.00		
12.5.03.16	15.4.2.2.	Laying and casing the existing Ø40 PE hoses into				
12.5.03.17	12.5.03.17	Ø110 pipes in excavated trench Plugging of Ø110 mm pipe	m	320.00		
12.5.05.17	12.3.03.17		pcs.	4.00		
12.5.03.18	15.4.2.3.	Placing concrete post for marking pipe ends and	P .05	4.00		
12.5.03.19	15.5.2.	turning points in cable route. Electrical measurements on optic cable after	pcs.	4.00		
10 5 00 00		protection	pc.	1.00		
12.5.03.20	12.5.03.20	Preparation of as-built technical documentation	m	160.00		
12.5.03.21	12.5.03.21	Geodetic surveys and mapping up to 1 km	m	160.00		
12.5.03.22	15.4.1.	Placing identification and warning tape with	111			
		aluminum backing	m	955.00		
			TO	DTAL COLLIS	SION 3 - works:	
		Т	OTAL CO	LLISION 3 - n	naterial+works:	

Summary DESIGN FOR DISPLACEMENT AND PROTECTION OF THE EXISTING TELECOMMUNICATION SYSTEM	
12.5.01.00 COLLISION 1	
12.5.02.00 COLLISION 2	
12.5.03.00 COLLISION 3	
TOTAL DESIGN FOR DISPLACEMENT AND PROTECTION OF THE EXISTING TELECOMMUNICATION SYSTEM	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
12.7/7.01.00.		PRELIMINARY WORKS		1	-	
12.7/7.01.01.	2.2	Setting out the route.	m^1	415.00		
				415.00		
			TOTA	AL PRELIMI	NARY WORKS	
12.7/7.02.00.		EARTH WORKS		1	г г	
12.7/7.02.01.	4.1.3.1	Mechanical and manual trench excavation in III category soil for laying of water pipes.				
		80% mechanical excavation	m ³	332.50		
			111	332.30		
		20% hand excavation	m ³	83.00		
12.7/7.02.02.	4.4.1	Excavation for water manholes.				
		80% mechanical excavation	m ³	12.50		
			2			
		20% hand excavation	m ³	3.12		
12.7/7.02.03.	4.1.3.2	Procurement, transport and placing of sand	m ³	85.00		
12.7/7.02.04.		underneath, at sides and on top of pipes. Backfilling of pipes with excavated earth.	III	85.00		
12.777.02.04.		Backinning of pipes with excavated earth.	m ³	261.00		
12.7/7.02.05.	4.4.1.2	Haulage of remaining excavated earth.				
			m ³	154.50		
12.7/7.02.06.	12.7/7.02.06.	Pumping water out of trench.	1	1.00		
			h	4.00		
				TOTAL EA	ARTH WORKS	
12.7/7.03.00.		INSTALLATION WORKS				
12.7/7.03.01.	12.7/7.03.01.	Procurement, transport, carrying along trench and installation of water pipes for 10 bar NP as				
		designed.				
		PEHD - polyethylene pipes, DN90 mm	m^1	415.00		
12.7/7.03.02.	12.7/7.03.02.	Cast iron pipe fittings for 10 bar NP.		415.00		
			kg	201.70		
12.7/7.03.03.	12.7/7.03.03.	Polyethylene pipe fittings for 10 bar NP.				
		Flange adaptor, DN90 mm	pcs.	10.00		
12.7/7.03.04.	12.7/7.03.04.	Valves EURO 20 (type 21).		4.00		
		EURO 20 (type 21) Ø80 mm.	pcs.	4.00		
		EURO 20 a with set of accessories, Ø80 mm.	pcs.	1.00		
		Air valve, Ø80 mm	pcs.	1.00		
12.7/7.03.05.	12.7/7.03.05.	Cast iron lids.		2.00		
12.7/7.03.06.	12.7/7.03.06.	Cost iron manage	pcs.	2.00		
12.7/1.03.00.	12.7/7.03.00.	Cast iron rungs.	pcs.	10.00		
				•	TION WORKS	
12 7/7 04 00		WORKS ON PLAIN AND REINFORCED CON		LINGIALLA		
12.7/7.04.00. 12.7/7.04.01.	12.7/7.04.01.	10 cm thick layer of lean concrete, class MB 15,	CKEIE			
12.777.04.01.	12.777.04.01.	under the bottom manhole plate.	m ³	1.00		
12.7/7.04.02.	4.1.3.6	Construction of manhole top and bottom plates				
		and side walls with reinforced concrete, class				
		MB30, V-6 impermeability and m-150 frost	3	7.50		
12 7/7 04 04	4.4.4	resistance Construction of anchor blocks for pipes with	m ³	7.50		
12.7/7.04.04.	4.4.4	MB15 concrete	m ³	1.50		
12.7/7.04.05.	4.4.4	Reinforcing bars		1.00		
		mesh reinforcement MA 500/560	kg	195.67		
			_			
		ribbed reinforcing bars RA 400/500	kg	468.37		
		TOTAL WORKS ON PL	AIN AND	REINFORCE	D CONCRETE	
12.7/7.05.00.		SUNDRIES				
12.7/7.05.01.	4.1.3.1	Trench supporting	2	1.050.00		
12 7/7 05 02	4 4 2 0	Dingling testing	m ²	1,058.00		
12.7/7.05.02.	4.4.3.2	Pipeline testing	m^1	415.00		
12.7/7.05.03.	4.5	Pipeline disinfection		+15.00		
12.111.00.00.	1.5		m^1	415.00		
12.7/7.05.04.	12.7/7.05.04.	As-built survey and report preparation.				
			m ¹	415.00		
					AL SUNDRIES	

Summary Design for displacement and protection of the existing water supply network	
12.7/7.01.00. PRELIMINARY WORKS	
12.7/7.02.00. EARTH WORKS	
12.7/7.03.00. INSTALLATION WORKS	
12.7/7.04.00. WORKS ON PLAIN AND REINFORCED CONCRETE	
12.7/7.05.00. SUNDRIES	
TOTAL Design for displacement and protection of the existing water supply network	

08.02. Telecommunication installations – civil engineering part 08.02.01 Manheles

08.02.01. Manholes		XX X X	T T •-	0	TT	m 4 1
Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.02.01.01.	12.0.0	EARTH WORKS		1		
08.02.01.01.01.	13.2.2.	Excavation of II and III category earth with all				
		needed supports and transport to stockpiling area.				
		Payment per m ³ of "net" excavated earth	m ³	176.00		
08 02 01 01 02	00 00 01 01 00		III*	170.00		
08.02.01.01.02.	08.02.01.01.02.	Placing and compaction of 10 cm thick sub-base				
		made of gravel and sand mix around telephone	m ³	2 20		
00.02.01.01.02	12.0.4	manhole.	m	3.30		
08.02.01.01.03.	13.2.4.	Backfilling of over-excavated area with earth in				
		30 cm thick layers including compaction of each layer to modulus of compressibility Ms=30 MPa				
		and backfilling of abandoned manholes.	2	124.75		
		Payment per m ³ of compacted earth	m ³	134.75		
				TOTAL EA	RTH WORKS:	
08.02.01.02.		WORKS ON PLAIN AND REINFORCED CON	CRETE			
08.02.01.02.01.	8.10.	10 cm thick blinding course made of lean				
		concrete MB15 under the bottom plate.	m ³	4.50		
08.02.01.02.02.	8.10.	10 cm thick layer made of lean concrete MB 20				
		around telephone manholes to serve as a platform				
		for any installation and urgent works on				
		telecommunication cable conduits.	m ³	5.17		
08.02.01.02.03.	8.10.					
		Reinforced concrete MB 30, V-6 impermeability,				
		M-150 frost resistance for bottom manhole plate.	m ³	6.60		
08.02.01.02.04.	8.10.	Reinforced concrete MB 30, V-6 impermeability,				
		M-150 frost resistance for 15 cm thick manhole				
		walls.	m ³	19.80		
08.02.01.02.05.	8.10.	Sloping layer of lean concrete MB 15 and 10 cm				
		thick leveling layer of lean concrete MB 15 under				
		the bottom plate.	m ³	0.88		
		TOTAL WORKS ON PLA	AIN AND	REINFORCEI	O CONCRETE:	
00.02.01.02		REINFORCEMENT WORKS				
08.02.01.03. 08.02.01.03.01.	13.5.1.	REINFORCEMENT WORKS				
08.02.01.05.01.	15.5.1.	Measurement includes all labor, procurement and				
		transport, wire-brushing, cutting, mechanical				
		bending and fixing of reinforcing bars according				
		to designed details and quality.				
		Payment per kg of fixed reinforcing bars				
		RA 400/500-2.	lea	3,291.00		
			kg			
			TOTAL .	REINFORCEM	IENT WORKS:	
08.02.01.04.		MASONRY WORKS				
08.02.01.04.01	08.02.01.04.01					
		Making wall of bricks laid on edge in cement				
		mortar to protect vertical waterproofing layer.				
		Payment per m ² of protected surface. The price				
		includes procurement and transport of all needed				
		material and masonry.				
			m²	176.00		
				TOTAL MASO	NRY WORKS:	
00 03 01 05		SUNDDIES				
08.02.01.05 .	00 00 01 05 01	SUNDRIES				
08.02.01.05.01	08.02.01.05.01	Placing watermapping lower of hitselfs. to				
		Placing waterproofing layer of bitulite, two coats				
		of hot bitumen and one coat of "Condor IV" band				
		over external concrete surfaces.				
		Payment per m ² of finished and protected surface.				
		The price includes procurement, transport and				
		incorporation of materials, overlappings and all				
		works in situ.	m ²	204.00		1

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.02.01.05.02	08.02.01.05.02	Procurement, transport and fitting of lids for				
		telephone manholes.				
		Payment per one fully fitted lid for heavy traffic				
		with a frame for double lid.	pcs.	24.00		
08.02.01.05.03	08.02.01.05.03	Making funnel-like openings for newly designed				
		manholes				
		- 2 Ø 110 pipes	pcs.	24.00		
08.02.01.05.04	08.02.01.05.04	Delivery and mounting of prefabricated				
		cantilevers and cantilever supports				
		Cantilever supports - 2 per one manhole	pcs.	48.00		
		Cantilevers - (1 per one support)	pcs.	48.00		
	TOTAL SUNDRIES:					
			TO	TAL MANHOI	LES (08.02.01.):	

08.02.02. Telecommunication cable conduit route

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.02.02.01.		MATERIAL				
08.02.02.01.01	15.4.2.1.	Plug for PVC pipes, Φ110 mm				
			pcs.	154.00		
08.02.02.01.02	15.4.2.1.	Comb for 2 PVC pipes, Φ110 mm				
			pcs.	354.00		
08.02.02.01.03	15.4.2.1.	PVC pipe, Φ110 mm, L=6.00 m				
			pcs.	118.00		
08.02.02.01.04	15.4.2.1.	Comb for 4 HDPE pipe, Φ50 mm				
			pcs.	6,099.00		
08.02.02.01.05	15.4.2.1.	HDPE pipe, 4xΦ50 mm				
			m'	24,396.00		
08.02.02.01.06	15.4.2.1.	Rubber ring for PVC pipes, Φ110 mm				
			pcs.	118.00		
08.02.02.01.07	15.4.2.2.	Yellow warning tape for P.O. cables, 8 cm				
			kg	462.00		
				TOTA	L MATERIAL:	
08.02.02.02.		EARTH WORKS				
08.02.02.02.01	15.4.2.2.	EARTH WORKS				
08.02.02.02.01	13.4.2.2.	Excavation of III category earth to depth of 2 m				
			3	0.001.00		
		90% mechanical excavation	m ³	3,604.00		
			3			
		10% hand excavation	m ³	400.00		
				TOTAL EA	RTH WORKS:	
08.02.02.03.		BUILDING MATERIAL				
08.02.02.03.01	15.4.2.2.	Procurement and transport of sand to				
00.02.02.03.01		telecommunication cable conduit route.	m ³	1,896.00		
		televolimamenton eusle volidant louter			G MATERIAL:	
					5 MAIERIAL:	
08.02.02.04.		WORKS ON TELECOMMUNICATION CABL	E ROUTI	2		
08.02.02.04.01.	15.4.2.2.	Routing				
			m	6,452.00		
08.02.02.04.02.	15.4.2.2.	Backfilling with sand of trench bottom for				
		telecommunication cable conduit and area around				
		and above PVC pipe including wetting and	2			
		compaction.	m ³	1,896.00		
08.02.02.04.03.	15.4.2.2.					
		Backfilling of trench for telecommunication cable				
		conduit, area next to manhole and trench under				
		the pavement with over-excavated material				
		including compaction in 20 cm thick layers.	m ³	2,176.00		
08.02.02.04.04.	15.4.2.2.	Haulage of surplus material	-			
			m ³	2,108.00		
08.02.02.04.05.	15.4.2.1.	Laying of 4 HDPE pipes, Φ50				
			m	24,396.00		
08.02.02.04.06.	15.4.2.1.	Laying of 2 pipes, \$\$\phi10\$ mm into excavated				
		trench.	m	707.00		
08.02.02.04.07.	15.4.2.2.	Placing a warning tape.				
			m	6,452.00		
08.02.02.04.08.	15.4.2.1.	Sealing of pipes, ϕ 110 mm				
			pcs.	154.00		
		TOTAL WORKS ON TELE			ABLE ROUTE.	
		TOTAL WORKS ON TELE	Commu		SEE ROUTE.	

08.02. Summary – telecommunication installations – civil engineering part

08.02.01. MANHOLES

08.02.02. TELECOMMUNICATION CABLE CONDUIT ROUTE

TOTAL telecommunication installations – civil engineering part (08.02.):

12.07. Displacement	t and protection of l	ineside telecommunication cables				
Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
	ed to material include	,	4l	h4 4ma ala atula		
12.09.01. 12.09.01.01. Collisi		bles are affected by construction of embankment	on the rig	nt track side		
12.09.01.01.01	15.4.1	STA cable				
			m	920.00		
12.09.01.01.02	15.4.1	SPZ 21x0.9		020.00		
12.09.01.01.03	15.4.1	PNK	m	920.00		
12.09.01.01.05	13.4.1		m	920.00		
12.09.01.01.04	15.4.1	Straight joint on STA cable, code N1626, without				
		measurement of coupling, accessories and				
12 00 01 01 05	15.4.1	material included.	pc.	2.00		
12.09.01.01.05	15.4.1	Straight joint on STA cable with measurement of				
		capacitive coupling and making diagram of				
		crossing points, accessories and material included.	pc.	1.00		
12.09.01.01.06	15.4.1	Pupinized joint on STA cable with measurement				
		of coupling and making diagram of crossing				
		points, accessories and material included.	pc.	1.00		
12.09.01.01.07	15.4.1	Joint on SPZ cable with heat-shrink coupling	pe.	1.00		
			pc.	2.00		
12.09.01.01.08	15.4.1	Joint on PNK cable with heat-shrink coupling				
12 00 01 01 00	15.4.1		pc.	2.00		
12.09.01.01.09	15.4.1	Brick for separation of PNK cables from other cables in a trench	pc.	3,680.00		
12.09.01.01.10	15.4.1	Yellow PVC pipes, 110 mm dia., 6 m long	pe.	5,000.00		
		»,»,»	pc.	8.00		
12.09.01.01.11	15.4.1	Sand				
			m ³	46.00		
			ТОТ	AL COLLISIO	ON 1 - material:	
12.09.01.02. Collis						
12.09.01.02.12	15.4.2.2	Routing	m	920.00		
12.09.01.02.13	15.4.2.2	Excavation of 0.8x0.5 m trench, placing PVC	m	720.00		
		shields and yellow PVC warning tape, backfilling				
		and compaction in minimum three layers and				
		haulage of surplus earth to specified stockpiling		020.00		
12.09.01.02.14	12.09.01.02.14	area. Construction of passage under the track.	m	920.00		
12.09.01.02.14	12.09.01.02.14	construction of passage under the track.	m	20.00		
12.09.01.02.15	15.4.2.3	Laying STA cable in a trench				
			m	920.00		
12.09.01.02.16	15.4.2.3	Laying SPZ cable in a trench	m	020.00		
12.09.01.02.17	15.4.2.3	Laying PNK cable in a trench	m	920.00		
12.09.01.02.17	10.1.2.0		m	920.00		
12.09.01.02.18	12.09.01.02.18	Installation of straight cable joint on STA cable				
		without measurement of coupling.	pc.	2.00		
12.09.01.02.19	12.09.01.02.19	Installation of straight cable joint on STA cable				
		with measurement of capacitive coupling.	pc.	1.00		
12.09.01.02.20	12.09.01.02.20	Installation of pupinized joint.	P*.	1.00		
			pc.	1.00		
12.09.01.02.21	12.09.01.02.21	Installation of joint on SPZ cable.				
12.09.01.02.22	12.00.01.02.22	Installation of joint on DNW schla	pc.	2.00		
12.09.01.02.27	12.09.01.02.22	Installation of joint on PNK cable.		2.00		
			pc.	2.00		
12.09.01.02.22.01	12.09.01.02.22.01	Placing bricks in a soldier course	pc.	2.00		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
		System switch off/on				
12.09.01.02.23	12.09.01.02.23	Signaling/safety systems	compl.	1.00		
12.09.01.02.24	12.09.01.02.24	1. Central traffic control	compl.	1.00		
12.09.01.02.25	12.09.01.02.25	2. Station interlocking	compl.	1.00		
12.09.01.02.26	12.09.01.02.26	3. Level crossing control	compl.	1.00		
12.09.01.02.27	12.09.01.02.27	Telecommunication systems 1. HF system Z12 Nis – Leskovac – Skopje	compl.	1.00		
12.09.01.02.28	12.09.01.02.28	2. Selective dispatch system - traffic		1.00		
12.09.01.02.29	12.09.01.02.29	3. Selective dispatch system - electric traction	compl.			
12.09.01.02.30	12.09.01.02.30	4. Radio dispatch system	compl.	1.00		
		Power supply systems	compl.	1.00		
12.09.01.02.31	12.09.01.02.31	1. Central electric traction control	compl.	1.00		
12.09.01.02.32	15.5.2	Measurement, testing and documentation Measurement of a cable drum				
12.09.01.02.33	15.4.2.2	Identification of cable route by detector and	compl.	1.00		
12.09.01.02.34	15.5.2	recording. Measurement of finished cable installation	m	950.00		
12.09.01.02.35	15.5.2	between two stations. Measurement of SPZ cable.	compl.	1.00		
12.09.01.02.35	15.5.2	Measurement of PNK cable.	compl.	1.00		
			compl.	1.00		
12.09.01.02.37	12.09.01.02.37	As-built design of cable works with measurement protocols	compl.	1.00		
12.09.01.02.38	12.09.01.02.38	As-built design of civil works	compl.	1.00		
			TO	TAL COLLIS	SION 1 - works:	
		Т	OTAL CO	LLISION 1 - n	naterial+works:	
12.09.02.	COLLISION 2 - C	ables are affected by construction of embankment	t on the rig	ht track side		
12.09.02.01. Collisi	on 2 - material		t on the rig	ht track side		
12.09.02. 12.09.02.01. Collision 12.09.02.01.01	COLLISION 2 - C on 2 - material 15.4.1.	STA cable	t on the rig	ht track side 570.00		
12.09.02.01. Collisi	on 2 - material					
12.09.02.01. Collision 12.09.02.01.01	on 2 - material 15.4.1.	STA cable	m	570.00		
12.09.02.01. Collisi 12.09.02.01.01 12.09.02.01.02	on 2 - material 15.4.1. 15.4.1.	STA cable SPZ 21x0.9	m	570.00 570.00		
12.09.02.01. Collisi 12.09.02.01.01 12.09.02.01.02 12.09.02.01.03	on 2 - material 15.4.1. 15.4.1. 15.4.1.	STA cable SPZ 21x0.9 PNK Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included. Straight joint on STA cable with measurement of capacitive coupling and making diagram of	m m m	570.00 570.00 570.00 2.00		
12.09.02.01. Collisi 12.09.02.01.01 12.09.02.01.02 12.09.02.01.03 12.09.02.01.04	on 2 - material 15.4.1. 15.4.1. 15.4.1. 15.4.1.	STA cable SPZ 21x0.9 PNK Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included. Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included.	m m m	570.00 570.00 570.00		
12.09.02.01. Collisi 12.09.02.01.01 12.09.02.01.02 12.09.02.01.03 12.09.02.01.04 12.09.02.01.05	on 2 - material 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1.	STA cable SPZ 21x0.9 PNK Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included. Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included. Capacitor joint on STA cable with measurement of coupling and making diagram of crossing	m m pc.	570.00 570.00 570.00 2.00		
12.09.02.01. Collisi 12.09.02.01.01 12.09.02.01.02 12.09.02.01.03 12.09.02.01.04 12.09.02.01.05	on 2 - material 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1.	STA cable SPZ 21x0.9 PNK Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included. Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included. Capacitor joint on STA cable with measurement	m m pc.	570.00 570.00 570.00 2.00		
12.09.02.01. Collisi 12.09.02.01.01 12.09.02.01.02 12.09.02.01.03 12.09.02.01.04 12.09.02.01.05 12.09.02.01.06	on 2 - material 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1.	STA cable SPZ 21x0.9 PNK Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included. Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included. Capacitor joint on STA cable with measurement of coupling and making diagram of crossing points, accessories and material included. Joint on SPZ cable with heat-shrink coupling	m m pc.	570.00 570.00 570.00 2.00 1.00		
12.09.02.01. Collisi 12.09.02.01.01 12.09.02.01.02 12.09.02.01.03 12.09.02.01.04 12.09.02.01.05 12.09.02.01.06 12.09.02.01.07 12.09.02.01.08	on 2 - material 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1.	STA cable SPZ 21x0.9 PNK Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included. Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included. Capacitor joint on STA cable with measurement of coupling and making diagram of crossing points, accessories and material included. Joint on SPZ cable with heat-shrink coupling Joint on PNK cable with heat-shrink coupling	m m pc.	570.00 570.00 570.00 2.00 1.00		
12.09.02.01. Collisi 12.09.02.01.01 12.09.02.01.02 12.09.02.01.03 12.09.02.01.04 12.09.02.01.05 12.09.02.01.06 12.09.02.01.07 12.09.02.01.08 12.09.02.01.09	on 2 - material 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1.	STA cable SPZ 21x0.9 PNK Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included. Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included. Capacitor joint on STA cable with measurement of coupling and making diagram of crossing points, accessories and material included. Joint on SPZ cable with heat-shrink coupling Joint on PNK cable with heat-shrink coupling Brick for separation of PNK cables from other cables in a trench	m m pc. pc.	570.00 570.00 2.00 1.00 2.00		
12.09.02.01. Collisi 12.09.02.01.01 12.09.02.01.02 12.09.02.01.02 12.09.02.01.03 12.09.02.01.03 12.09.02.01.04 12.09.02.01.05 12.09.02.01.05 12.09.02.01.06 12.09.02.01.07 12.09.02.01.08 12.09.02.01.09 12.09.02.01.10	on 2 - material 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1.	STA cable SPZ 21x0.9 PNK Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included. Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included. Capacitor joint on STA cable with measurement of coupling and making diagram of crossing points, accessories and material included. Joint on STZ cable with measurement of coupling and making diagram of crossing points, accessories and material included. Joint on SPZ cable with heat-shrink coupling Joint on PNK cable with heat-shrink coupling Brick for separation of PNK cables from other cables in a trench Yellow PVC pipes, 110 mm dia., 6 m long	m m pc. pc. pc. pc. pc.	570.00 570.00 2.00 1.00 2.00 2.00 2.00		
12.09.02.01. Collisi 12.09.02.01.01 12.09.02.01.02 12.09.02.01.02 12.09.02.01.03 12.09.02.01.03 12.09.02.01.04 12.09.02.01.05 12.09.02.01.05 12.09.02.01.06 12.09.02.01.07 12.09.02.01.08 12.09.02.01.09	on 2 - material 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1.	STA cable SPZ 21x0.9 PNK Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included. Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included. Capacitor joint on STA cable with measurement of coupling and making diagram of crossing points, accessories and material included. Joint on SPZ cable with heat-shrink coupling Joint on PNK cable with heat-shrink coupling Brick for separation of PNK cables from other cables in a trench	m m pc. pc. pc. pc. pc. pc. pc. pc. pc. pc.	570.00 570.00 2.00 1.00 1.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00		
12.09.02.01. Collisi 12.09.02.01.01 12.09.02.01.02 12.09.02.01.03 12.09.02.01.04 12.09.02.01.05 12.09.02.01.05 12.09.02.01.06 12.09.02.01.07 12.09.02.01.08 12.09.02.01.09 12.09.02.01.10 12.09.02.01.11	on 2 - material 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1.	STA cable SPZ 21x0.9 PNK Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included. Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included. Capacitor joint on STA cable with measurement of coupling and making diagram of crossing points, accessories and material included. Joint on STZ cable with measurement of coupling and making diagram of crossing points, accessories and material included. Joint on SPZ cable with heat-shrink coupling Joint on PNK cable with heat-shrink coupling Brick for separation of PNK cables from other cables in a trench Yellow PVC pipes, 110 mm dia., 6 m long	m m pc. pc. pc. pc. pc. pc. pc. pc. pc. pc.	570.00 570.00 2.00 1.00 1.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	DN 2 - material:	
12.09.02.01. Collisi 12.09.02.01.01 12.09.02.01.02 12.09.02.01.03 12.09.02.01.04 12.09.02.01.04 12.09.02.01.05 12.09.02.01.06 12.09.02.01.07 12.09.02.01.08 12.09.02.01.09 12.09.02.01.10 12.09.02.01.11 12.09.02.02. Collisi	on 2 - material 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 00 2 - works	STA cable SPZ 21x0.9 PNK Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included. Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included. Capacitor joint on STA cable with measurement of coupling and making diagram of crossing points, accessories and material included. Joint on STZ cable with measurement of coupling and making diagram of crossing points, accessories and material included. Joint on SPZ cable with heat-shrink coupling Joint on PNK cable with heat-shrink coupling Brick for separation of PNK cables from other cables in a trench Yellow PVC pipes, 110 mm dia., 6 m long Sand	m m pc. pc. pc. pc. pc. pc. pc. pc. pc. pc.	570.00 570.00 2.00 1.00 1.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	DN 2 - material:	
12.09.02.01. Collisi 12.09.02.01.01 12.09.02.01.02 12.09.02.01.03 12.09.02.01.04 12.09.02.01.05 12.09.02.01.05 12.09.02.01.06 12.09.02.01.07 12.09.02.01.08 12.09.02.01.09 12.09.02.01.10 12.09.02.01.11	on 2 - material 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1.	STA cable SPZ 21x0.9 PNK Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included. Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included. Capacitor joint on STA cable with measurement of coupling and making diagram of crossing points, accessories and material included. Joint on STZ cable with measurement of coupling and making diagram of crossing points, accessories and material included. Joint on SPZ cable with heat-shrink coupling Joint on PNK cable with heat-shrink coupling Brick for separation of PNK cables from other cables in a trench Yellow PVC pipes, 110 mm dia., 6 m long	m m pc. pc. pc. pc. pc. pc. pc. pc. pc. pc.	570.00 570.00 2.00 1.00 1.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	DN 2 - material:	
12.09.02.01. Collisi 12.09.02.01.01 12.09.02.01.02 12.09.02.01.03 12.09.02.01.04 12.09.02.01.04 12.09.02.01.05 12.09.02.01.06 12.09.02.01.07 12.09.02.01.08 12.09.02.01.09 12.09.02.01.10 12.09.02.01.11 12.09.02.02. Collisi	on 2 - material 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 15.4.1. 00 2 - works	STA cable SPZ 21x0.9 PNK Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included. Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included. Capacitor joint on STA cable with measurement of coupling and making diagram of crossing points, accessories and material included. Joint on STZ cable with measurement of coupling and making diagram of crossing points, accessories and material included. Joint on SPZ cable with heat-shrink coupling Joint on PNK cable with heat-shrink coupling Brick for separation of PNK cables from other cables in a trench Yellow PVC pipes, 110 mm dia., 6 m long Sand	m m pc. pc. pc. pc. pc. pc. pc. pc. pc. pc.	570.00 570.00 2.00 1.00 1.00 2.00 2.00 2.00 2.280.00 4.00 29.00 AL COLLISIO	DN 2 - material:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
12.09.02.02.13	12.09.02.02.13	Construction of passage under the track.	m	10.00		
12.09.02.02.14	15.4.2.3	Laying STA cable in a trench	m	570.00		
12.09.02.02.15	15.4.2.3	Laying SPZ cable in a trench	m	570.00		
12.09.02.02.16	15.4.2.3	Laying PNK cable in a trench	m	570.00		
12.09.02.02.17	12.09.02.02.17	Installation of straight cable joint on STA cable without measurement of coupling.	pc.	2.00		
12.09.02.02.18	12.09.02.02.18	Installation of straight cable joint on STA cable with measurement of capacitive coupling.				
12.09.02.02.19	12.09.02.02.19	Installation of capacitor joint.	pc.	1.00		
12.09.02.02.20	12.09.02.02.20	Installation of joint on SPZ cable.	pc.	1.00		
12.09.02.02.21	12.09.02.02.21	Installation of joint on PNK cable.	pc.	2.00		
12.09.02.02.22	12.09.02.02.22	Placing bricks in a soldier course	pc.	2.00		
		System switch off/on	pc.	2,280.00		
12.05.02.02.23	12.05.02.02.23	Signaling/safety systems	compl.	1.00		
12.05.02.02.24	12.05.02.02.24	1. Central traffic control	compl.	1.00		
12.05.02.02.25	12.05.02.02.25	2. Station interlocking	compl.	1.00		
12.05.02.02.26	12.05.02.02.26	3. Level crossing control	compl.	1.00		
12.05.02.02.27	12.05.02.02.27	Telecommunication systems 1. HF system Z12 Nis – Leskovac – Skopje	Compil	1100		
12.05.02.02.27	12.05.02.02.27	2. Selective dispatch system - traffic	compl.	1.00		
			compl.	1.00		
12.05.02.02.29	12.05.02.02.29	3. Selective dispatch system - electric traction	compl.	1.00		
		4. Radio dispatch system	compl.	1.00		
12.05.02.02.30	12.05.02.02.30	Power supply systems 1. Central electric traction control	compl.	1.00		
12.05.02.02.31	15.5.2	Measurement, testing and documentation Measurement of a cable drum				
12.05.02.02.32	15.4.2.2	Identification of cable route by detector and	compl.	1.00		
12.05.02.02.33	15.5.2	recording. Measurement of finished cable installation	m	600.00		
12.05.02.02.34	15.5.2	between two stations. Measurement of SPZ cable.	compl.	1.00		
12.05.02.02.35	15.5.2	Measurement of PNK cable.	compl.	1.00		
12.05.02.02.35	12.05.02.02.36	As-built design of cable works with measurement	compl.	1.00		
		Protocols As-built design of civil works	compl.	1.00		
12.05.02.02.37	12.05.02.02.37	As-built design of civil works	compl.	1.00		
			TO	TAL COLLIS	SION 2 - works:	
40.00-	0.0				naterial+works:	
12.09.03. 12.09.03.01. Collisi	COLLISION 3 - C on 3 - material	ables are affected by construction of embankment	t on the rig	nt track side		
12.09.03.01.01	15.4.1.	STA cable	m	210.00		
12.09.03.01.02	15.4.1.	SPZ 21x0.9	m	210.00		
12.09.03.01.03	15.4.1.	PNK	m	210.00		
12.09.03.01.04	15.4.1.	Straight joint on STA cable, code N1626, without measurement of coupling, accessories and				
12.09.03.01.05	15.4.1.	material included. Joint on SPZ cable with heat-shrink coupling	pc.	2.00		
12.09.03.01.06	15.4.1.	Joint on PNK cable with heat-shrink coupling	pc.	2.00		
12.09.03.01.07	15.4.1.	Brick for separation of PNK cables from other	pc.	2.00		
		cables in a trench	pc.	840.00		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
12.09.03.01.08	15.4.1.	Sand	m ³	11.00		
					ON 3 - material:	
2.09.03.02. Collisi	on 3 - works					
12.09.03.02.09	15.4.2.2.	Routing				
			m	210.00		
12.09.03.02.10	15.4.2.2.	Excavation of 0.8x0.5 m trench, placing PVC				
		shields and yellow PVC warning tape, backfilling and compaction in minimum three layers and				
		haulage of surplus earth to specified stockpiling				
		area.	m	210.00		
12.09.03.02.11	15.4.2.3	Laying STA cable in a trench				
12.00.02.02.12	15 4 2 2	Lesing CDZ ashla in a true sh	m	210.00		
12.09.03.02.12	15.4.2.3	Laying SPZ cable in a trench	m	210.00		
12.09.03.02.13	15.4.2.3	Laying PNK cable in a trench		210100		
			m	210.00		
12.09.03.02.14	12.09.03.02.14	Installation of straight cable joint on STA cable		• • • •		
12.09.03.02.15	12.09.03.02.15	without measurement of coupling. Installation of joint on SPZ cable.	pc.	2.00		
12.09.03.02.13	12.09.03.02.13	instantion of joint on SFZ cable.	pc.	2.00		
12.09.03.02.16	12.09.03.02.16	Installation of joint on PNK cable.	1			
			pc.	2.00		
12.09.03.02.16.01	12.09.03.02.16.01	Placing bricks in a soldier course		840.00		
		System switch off/on	pc.	840.00		
12.09.03.02.17	12.09.03.02.17	Signaling/safety systems				
			compl.	1.00		
12.09.03.02.18	12.09.03.02.18	1. Central traffic control				
12.00.02.02.10	12.00.02.02.10	2. Station interlasting	compl.	1.00		
12.09.03.02.19	12.09.03.02.19	2. Station interlocking	compl.	1.00		
12.09.03.02.20	12.09.03.02.20	3. Level crossing control	compi.	1.00		
			compl.	1.00		
10.00.00.00.01	10.00.00.00.01	Telecommunication systems				
12.09.03.02.21	12.09.03.02.21	1. HF system Z12 Nis – Leskovac – Skopje	compl.	1.00		
12.09.03.02.22	12.09.03.02.22	2. Selective dispatch system - traffic	compi.	1.00		
			compl.	1.00		
12.09.03.02.23	12.09.03.02.23	3. Selective dispatch system - electric traction				
12.00.02.02.24	12.00.02.02.24	4. Radio dispatch system	compl.	1.00		
12.09.03.02.24	12.09.03.02.24	4. Radio dispatch system	compl.	1.00		
		Power supply systems	compi.	1.00		
12.09.03.02.25	12.09.03.02.25	1. Central electric traction control				
			compl.	1.00		
12.09.03.02.26	15.5.2	Measurement, testing and documentation Measurement of a cable drum				
12.09.03.02.20	15.5.2	Measurement of a cable drum	compl.	1.00		
12.09.03.02.27	15.4.2.2	Identification of cable route by detector and				
		recording.	m	250.00		
12.09.03.02.28	15.5.2	Measurement of finished cable installation	1	1.00		
12.09.03.02.29	15.5.2	between two stations. Measurement of SPZ cable.	compl.	1.00		
12.09.03.02.29	15.5.2	Measurement of STZ cable.	compl.	1.00		
12.09.03.02.30	15.5.2	Measurement of PNK cable.				
			compl.	1.00		
12.09.03.02.31	12.09.03.02.31	As-built design of cable works with measurement	acme1	1.00		
12.09.03.02.32	12.09.03.02.32	protocols As-built design of civil works	compl.	1.00		
12.07.03.02.32	12.07.03.02.32	As ount design of ervir works	compl.	1.00		
					SION 3 - works:	
		70.			naterial+works:	
		1	UTAL CO	LLISION 3 - I	hatel lai+works:	

12.09. Displacement and protection of the existing lineside telecommunication cables	
12.09.01. COLLISION 1	
12.09.02. COLLISION 2	
12.09.03. COLLISION 3	
TOTAL Displacement and protection of the existing lineside telecommunication cables (12.09.):	

12. SUMMARY – Technical infrastructure	
DESIGN FOR DISPLACEMENT AND PROTECTION OF 10 kV AND 1 kV POWER LINES	
35 kV transmission line Grdelica - Predejane	
DESIGN FOR DISPLACEMENT AND PROTECTION OF THE EXISTING TELECOMMUNICATION SYSTEM	
Design for displacement and protection of the existing water supply network	
Telecommunication installations – civil engineering part	
Displacement and protection of lineside telecommunication cables	
SUB-TOTAL	
Unforeseen work (5% of sub-total)	
<u>TOTAL TECHNICAL INFRASTRUCTURE (12.):</u>	

No.	Description	Unit	Nominal quantity	Rate	Extended amount			
D100	Skilled concrete finisher	hour	500.00					
D101	Skilled asphalt finisher	hour	500.00					
D102	Skilled mason	hour	500.00					
D103	Skilled electrician	hour	500.00					
D104	Skilled fitter	hour	500.00					
D105	Skilled joiner	hour	500.00					
D106	Skilled carpenter	hour	500.00					
D107	Skilled steelwork erector	hour	500.00					
D108	Unskilled labourer	hour	500.00					
D109	Unskilled assitant	hour	500.00					
D110	Highly-skilled group leader	hour	500.00					
D112	Foreman	hour	500.00					
D113	Driver for vehicle up to 10 tons	hour	1,000.00					
D114	Driver for vehicle 10 to 20 tons	hour	1,000.00					
D115	Driver for vehicle above 10 tons	hour	1,000.00					
D116	Operator for excavator, dragline, shovel, or crane	hour	500.00					
D117	Operator for roller, asphalt finisher, concrete finisher	hour	500.00					
D118	Operator for tractor with dozer blade or ripper	hour	500.00					
		•		Subtotal				
D150	D150 Allow _ percent ^a of Subtotal for Contractor's overhead, profit, etc.							
		,	Fotal for Day	work: Labor				
a. To be	e entered by the bidder.							

No.	Description	Unit	Nominal quantity	Rate	Extended amount
D201	Cement	t	200.00		
D202	Mild steel reinforcing bar up to 16 mm diameter	t	100.00		
D203	Mild steel reinforcing bar above 16 mm diameter	t	100.00		
D204	Aggregate for pavement base	m3	500.00		
D205	Gravel	m3	500.00		
D206	Lime	kg	200.00		
D207	Mortar	m3	200.00		
D208	Concrete aggregate				
D208.1	0-4 mm	m3	500.00		
D208.2	4-8 (0-8) mm	m3	500.00		
D208.3	8-16 mm	m3	500.00		
D208.4	16-32 (22) mm	m3	500.00		
D209	Asphalt aggregate, limestone				
D209.1	0-4 mm	m3	500.00		
D209.2	4-8 (0-8) mm	m3	500.00		
D209.3	8-16 mm	m3	500.00		
D209.4	16-32 (22) mm	m3	500.00		
D210	Asphalt aggregate, igneous				
D210.1	0-4 mm	m3	500.00		
D210.2	4-8 (0-8) mm	m3	500.00		
D210.3	8-16 mm	m3	500.00		
D210.4	16-22 mm	m3	500.00		
D211	Planed softwood	m3	50.00		
D212	Sawn softwood	m3	50.00		
D213	Plywood	m3	50.00		
D214	Gas oil	1	1,000.00		
D215	Bitumen	t	200.00		
		Subtotal			
D150	Allow _ percent ^a of Subtotal for Contractor's	overhead, pr	ofit, etc.		
		Т	otal for Dayw	ork: Materials	
a. To be	entered by the bidder.				

No.	Description	Nominal quantity (hours)	Basic hourly rental rate	Extended amount
D301	Excavator, face shovel, or dragline:			
D301.1	Up to and including 1 m ³	500.00		
D301.2	Over 1 m^3 to 2 m^3	400.00		
D301.3	Over 2 m ³	100.00		
D302	Tractor, including bull or angle dozer:			
D302.1	Up to and including 150 kW	500.00		
D302.2	Over 150 kW to 200 kW	400.00		
D302.3	Over 200 kW to 250 kW	200.00		
D303	Tractor with ripper:			
D303.1	Up to and including 200 kW	400.00		
D303.2	Over 200 kW to 250 kW	200.00		
D304	Roller	200.00		
D305	Shovel	200.00		
D306	Crane	200.00		
D307	Pneumatic hammer	200.00		
D308	Pneumatic drill	200.00		
D309	Draining unit	200.00		
D310	Loader	200.00		
D311	Truck:			
D311.1	up to and including 10 t	500.00		
D311.2	over 10 to 20 t	500.00		
D312	Power generator up to 25 kVA	200.00		
	1	Total for Dayw	ork: Equipment	

	Amount (RSD)	% Foreign
1. Total for Daywork: Labour		
2. Total for Daywork: Materials		
3. Total for Daywork: Equipment		
Total for Daywork		

Bills of Quantities LOT 2

Grand summary		Amount
GENERAL ITEMS	(A)	
Civil engineering design	(1)	
Stormwater sewage system	(2)	
Regulation of water streams	(3)	
Engineering structures	(4)	
Bridges	(5)	
Retaining walls	(6)	
Traffic-technical and service equipment for roads	(7)	
Technical infrastructure	(8)	
Landscaping	(9)	
SUBTOTAL OF BILLS	Σ[(1)-(9)]=(B)	
UNFORSEEN WORKS 5%	0.05x(B)=(C)	
TOTAL FOR DAYWORK	(D)	
TOTAL OF BILLS	(A+B+C+D)=(E)	
CONTINGENCY ALLOWANCE 10%	0.1 x(E)=(F)	
BID PRICE	(E)+(F)=(G)	
VAT (Nil-Since the Project is financed by the EIB, the payment of VAT is exempted)	0=(H)	
FINAL BID PRICE	(G)+(H)=(I)	

No.	Description	Unit	Quantity	Unit price	Amount
1	Site offices building	ls	1		
2	Site offices furniture and equipment	ls	1		
3	Supply of computers and software for Site offices	ls	1		
4	Compound, paving, fancing, lighting and provision of utilities	ls	1		
5	Vehicles (offroad)	pcs	3		
6	Vehicles (C class)	pcs	1		
7	Vehicles (pick up)	pcs	2		
8	Provisions and consumables for the Engineer	ls	1		
9	Supply of additional equipment for the Engineer and Employer's representative	ls	1		
10	Maintain facilities in compound for the Engineer and Employer's representative during works and up to the issue of the Taking over Certificate	month	24		
11	Maintenance, fueling and insurance of vehicles of the Engineer and Employer's representative	month	24		
			Total C	General Items	

CIVIL ENGINEERING DESIGN 01.01. HIGHWAY ALIGNMENT

T . N .	m a	1ENT	TT. 14	0 (1)	TI L' D I	
Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.01.01.		PRELIMINARY WORKS				
01.01.01.01	2.1.	Geotechnical investigations		1		
01 01 01 02	2.4			lump su 4.60	m	
01.01.01.02.	2.4.	Removal of bushes and trees a) cutting bushes up to Ø10 cm: 10064 m ²	кm'	4.00		
		b) cutting bushes \emptyset 10 - \emptyset 25 cm: 8405 m ²				
		c) cutting trees $Ø10 - Ø20$ cm: 2275 pcs.				
		d) cutting trees $Ø20 - Ø40$ cm: 1040 pcs.				
		e) uprooting stumps Ø10 - Ø20 cm: 2275 pcs.				
		f) uprooting stumps \emptyset 20 - \emptyset 40 cm: 1040 pcs.				
01.01.01.03.	2.5.	Demolition of buildings				
011011011001	2101		m²	1,075.00		
01.01.01.04.	2.7.	Demolition of the existing pavement				
			m²	5,145.00		
			TOTA	L PRELIMIN	ARY WORKS:	
01.01.02.		EARTH WORKS				
01.01.02.01.	2.1			1 1 1	<i>c</i> 1	1 1 ()
	3.1. 3.2.	Topsoil stripping Bulk excavation and transport (including topsoil stripping and	(price inc	luded in the price	of excavation and en	nbankment)
01.01.02.02.	3.2.					
		stockpiling, excavation of soil of low bearing capacity, topsoiling and grassing)				
		Excavation in II and III category earth, transport of material				
		to stockpiling area and spreading without compaction				
		to stockpring area and spreading without compaction				
		- 3000 - 5000 m	m ³	25,079.00		
		(excavation for subsoil substitution:24603 m3)	111-	23,079.00		
		(excavation for temporary channels during construction works:				
		476 m3)				
		- Excavation in III and IV category soil with loading, transport				
		and unloading of material from the excavation or borrow pit				
		and unloading of material from the excavation of borrow pit				
		- up to 60 m	m ³	6,695.00		
				-,		
		- up to 500 m	m ³	28,753.00		
		- 500 m - 1000 m	m ³	65,440.00		
		- 1000 m - 3000 m	m ³	36,072.00		
		- Excavation in V and VI category soil with loading, transport				
		and unloading of material from the excavation or borrow pit				
		- up to 60 m	m ³	6,290.00		
		- up to 500 m	m ³	21,680.00		
		- 500 m - 1000 m	m ³	62,461.00		
		1000 2000	3	22.216.00		
01.01.02.03.	3.3.	- 1000 m - 3000 m Subsoil finishing	m ³	33,216.00		
01.01.02.03.	5.5.	Subson ministing	m²	102,393.00		
01.01.02.04.	3.4.	Construction of embankment (including topsoil stripping,		102,000		1
01.01.02.07.	J. T.	construction of embankment (menduing topson surpping, construction of stepped side cuts, shoulder central part,				
		leveling, topsoiling and grassing of embankment slopes)				
		, topsoning and grassing of embankment stopes)	m ³	234,522.00		
		a) topsoil stripping: 24005 m ³		237,322.00		
		b) surplus topsoil: 12780 m ³				
		c) stepped side cuts: 3416 m ³				
		d) shoulder central part:2860 m ³				
		e) topsoiling of slopes: 42823 m ²				
		f) topsoiling and grassing of shoulders: 13305 m ²				
		g) lining with stone the embankment slopes: 991 m ³				
		h) Filling of temporary channels with stones of specific				
		grading during construction works: 476 m3				
		i) Embankment top layer of 0/63 mm stable material in the				
		cutting section where material will be substituted: 24603 m3				
01.01.02.05	3.6.1.	Substitution of soil of low bearing capacity with sandy gravel				
01.01.02.03	5.0.1.	layer	m ³	338.00		
					0	
				TOTAL FA	RTH WORKS:	

01.01.03.01.0 DEADNAGE AND DEWATERING 01.01.03.01.1 Planey chamals m ⁰ 2.180.00	Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
Image: bis start in the start is a start in the start is start in the start is start in the start is start if the s	01.01.03.		DRAINAGE AND DEWATERING				
$ \begin{array}{ c c c c c } & \begin{tabular}{ c c c c } & -lining of channels with predorized elements of MB 30 concerts conto 5 m thick sundy graval bed. \\ & -Placing 20 cm thick drainage channel fining of MB 25 concrets controlled drainage of run-of from lingbays central reserve. Drain channels for controlled drainage of run-of from lingbays central reserve. Drain channels for controlled water drainage down the embankment shope. \\ & -Procurement and installation of drain channels for controlled water drainage down the embankment shope. \\ & -Procurement and installation of drain channels for controlled water drainage down the embankment shope. \\ & -Procurement and installation of drain channels for controlled water drainage down the embankment shope. \\ & -Procurement and installation of drain channels for controlled water drainage down the embankment shope. \\ & -Procurement and installation of drain channels for controlled water drainage down the embankment shope. \\ & -Procurement and installation of drain channels for controlled water drainage down the embankment shope. \\ & -Procurement and installation of drain channels for controlled water drainage down the embankment shope. \\ & -Procurement and installation of drain channels for controlled water drainage down the embankment shope. \\ & -Procurement and installation of drain channels for controlled water drainage down the embankment shope. \\ & -Procurement and installation of drain channels for controlled water drainage down the embankment shope. \\ & -Procurement and placing shops delay the ling water delay of proceent water delay for the material shope and control of the shope down the embankment shope. \\ & -Procurement and placing shops delay the ling water delay of the material shope and control of the shope down the embankment shope down the embankment shope. \\ & -Procurement and placing of 0.5.5 mm crushed store and the shope down the shope down the embankment shope down the embankment shope down the embankment shope down the embankment shope down the embankment$	01.01.03.01.	4.3.	e				
Part of the standy gravel hed. $n'' for the standy gravel hed.n'' for the stand standy for the standy gravel hed.n'' for the stand standy for the standy for the standy gravel hed law is the standy for the standy gravel hed law is the standy gravel hed law is the standy gravel hed law is the standy for the standy gravel hed law is the standy grave$				m ³	2,189.00		
01.01.04.01 AS-3.4.0 m 3.5.31.00 m 01.01.05.02 - Placing 20 cm thick drainage channel laring of MB 25 m 420.00 m 01.01.05.02 - Procurement and installation of drain channels for controlled water drainage form the masking mit shape. m 976.00 m 01.01.05.02 - Stating of 25 cm thick layer of MB 25 concrete over shoulder at losser, for materials. m 976.00 m 01.01.05.02 - Casting of 25 cm thick layer of MB 25 concrete over shoulder at lower highway site towad central reserve and placing of proteice waterpoord, procurement and delivery of materials. m 976.00 m 01.01.04.01 AS-3.4 Stating of 25 cm thick layer of MB 25 concrete over shoulder at lower highway site towad central reserve and placing of proteice waterpoord, procurement and delivery of materials. m 91.930.00 m 01.01.04.01 AS-6.22 Bacing and rolling the sub-base of 0/31.5 mm crushed stone site at costality with the state of a conce of a state site at costality with the state of a costality							
01.01.03.02 A3.3 Concrete mt 420.00 Image: starting of the starting			concrete onto 5 cm thick sandy gravel bed.	m²	5,581.00		
Procurement and installation of drain channels for controlled draining of mar of from highway central reserve. Drain channel dimensiona: 100.1005.00 m. It shall be installed onto andy gravel bed, fully in accordance with designed details. m' 976.00 01.01.03.02 4.3 - Cassing of 25 cm thick layer of MB 25 concrete over shoulder at lower highway side toward central reserve and placing of profective waterproof, procurement and elivery of materials. m' 167.00 01.01.03.02 4.3 - Cassing of 25 cm thick layer of MB 25 concrete over shoulder at lower highway side toward central reserve and placing of profective waterproof, procurement and elivery of materials. m' 167.00 01.01.04.01 AS 5.4 Suff Asses - 01.01.04.02 AS 5.4 Sandy gravel materials - placing subgrade layer additional specificati m' 91.936.00 01.01.04.01 AS 5.4 Sandy gravel materials - placing subgrade layer additional specificati m' 91.936.00 01.01.04.02 AS 5.4 Sandy gravel materials - placing subgrade layer additional specificati m' 91.936.00 01.01.04.01 AS 5.4 Sandy gravel materials - placing subgrade layer additional specificati m' 52.228.00 01.01.05.01 7.1 Thickness: d=30 cm m' 325.00 01.01.05.01 7			- Placing 20 cm thick drainage channel lining of MB 25				
01.01.03.02 Ariange of marcolf from highway central essrive. Drain sandy gravel bed, fully in accordance with designed details. and water drainage down the embankment slope. n' 976.00 01.01.03.02 Arian international internation of drain channels for controlled water drainage down the embankment slope. n' 167.00 01.01.03.02 Arian international entral entral internation of drain channels for controlled water drainage down the embankment slope. n' 167.00 01.01.03.02 Arian international entral entr				m²	420.00		
$ \begin{array}{c c c c c c } & \begin{tabular}{ c c c } & \begin{tabular}{ c c c c c c c } & \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$							
$ \begin{array}{c c c c c c } & \begin{tabular}{ c c c c c } & \begin{tabular}{ c c c c c } & \begin{tabular}{ c c c c c c c } & \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$							
$ \begin{array}{c c c c c } & \mathbf{n}^{n'} & 0^{70,00} & \mathbf{n}^{10} & 0^{10,00} & \mathbf{n}^{10} & 0^{10,00} & \mathbf{n}^{10,00} & \mathbf{n}^{10,00$							
$ \begin{array}{c c c c c c } & \begin{tabular}{ c c } & $			sandy gravel bed, fully in accordance with designed details.		076.00		
water drainage down the embankment slope.n n167.0001.01.03.02A.3incert drainage down the embankment slope.n167.00- Casting of 25 cm thick layer of MB 25 concrete over shoulder at lower highway side toward central reserve and placing of nr2110.01.04.01			Progurament and installation of drain channels for controlled	m	976.00		
01.01.03.02 4.3							
01.01.03.02 4.3 Casting of 25 cm thick layer of MB 25 concrete over shoulder it lower highway side toward central reserve and placing of materials. n ³ 2,879.00 TOTAL DRAINAGE AND DEWATERING: 01.01.04.01 AS-3.4 Sandy gravel materials - placing subgrade layer additional specification ons on AS-5.2.2 Placing and rolling the sub-base of 0/31.5 mm crushed stone additional specification or rolled subgrade accepted by the Engineer. Rolling shall be specification performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. m ² 91,936.00 01.01.04.02 AS-6.2.28.00 m ² 52,228.00 Thickness: d=30 cm m ² 62,250.0 Thickness: d=36 cm m ² 17,566.00 01.01.05.01 7.1. SUPERSTRUCTURE TOTAL SUB-BASES 01.01.05.02 7.2. Procurement and placing of 18/24 cm curbs m ³ 325.00 01.01.05.01 7.1. SUPERSTRUCTURE TOTAL SUPERSTRUCTURE: 01.01.06.01 9.3. ASPHALT PAVEMENT 325.00 Intervine of stallation of 90 cm concrete gutters m ³ 325.00 Intervine of stallation of 90 cm concrete gutters m ³ 325.00 Intervine of stallation of 90 cm concrete gutters m ³ 32,265.00 Intervine of 4 cm thick we			water dramage down the embankment stope.		167.00		
at lower highway side toward central reserve and placing of protective waterproof, procurement and delivery of materials. n_m^2 $2,879,00$ IOTAL DRAIN-XCE AND DEWATERING:OTAL DRAIN-XCE AND DEWATERING:01.01.04.01 additional additional perificati ons specificati perificati perificati perificati 	01 01 03 02	13	Casting of 25 cm thick layer of MB 25 concrete over shoulder		167.00		
Image: specific control in the stabilized at lower proof, procurement and delivery of materials. m^2 $2,879.00$ Image: specific control in the stabilized at lower parameter is a specific control in the stabilized at lower parameter i	01.01.03.02	4.5					
m²2,879,00m²2,879,00TOTAL DRAINAGE AND DEWATERING:OU.01.04.A.S.3.4Sandy gravel materials - placing subgrade layernn91,936.00of noiseSec.22Placing and rolling the sub-base of 0/31.5 mm crushed stone additional specificatim²91,936.000onsSAS-6.22Placing and rolling the sub-base of 0/31.5 mm crushed stone additional profit or roll of subgrade accepted by the Engineer. Rolling shall be specificatim²91,936.000onsThickness: d=10 cmm²52,228.0000Thickness: d=30 cmm²47,758.0000Thickness: d=30 cmm²17,566.000001.01.05.017.1.Procurement and placing of 18/24 cm curbsm²325.00001.01.05.017.2.Procurement and placing of 18/24 cm curbsm²325.00001.01.05.017.1.Placing of stone aggregate d=8 cmm²17,719.00001.01.06.019.3.Placing of stone aggregate d=8 cmm²53,509.00001.01.06.039.5.Placing of the waring course made of skelton mastric ashahl SMA 11sm²71,27.00001.01.06.04.9.6.Placing of 4 cm thick wearing course made of skelton mastric ashahl SMA 11sm²71,27.000TOTAL SUPLINT PAVEMENT01.01.06.03.9.6.Placing of 4 cm thick wearing course made of skelton mastric ashahl SMA 11sm²71,27.000 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
TOTAL DRAINAGE AND DEWATERING: OTAL SUB-BASES: OTAL SUPERSTRUCTURE OTAL SUB-BASES:				m²	2.879.00		
01.01.04. 01.01.04.01 MAS-3.4 SUB-BASES Sandy gravel materials - placing subgrade layer m ² 91,936.00 01.01.04.02 MAS-6.2.2 additional specificati ons Placing and rolling the sub-base of 0/31.5 mm crushed stone additional specificati ons m ² 91,936.00 01.01.04.02 AS-6.2.2 additional specificati ons Placing and rolling the sub-base of 0/31.5 mm crushed stone ardients and crossfalls with tolerance of ± 1 cm. m ² 91,936.00 01.01.04.02 AS-6.2.2 additional specificati Placing and rolling the sub-base of 0/31.5 mm crushed stone gradients and crossfalls with tolerance of ± 1 cm. m ² 52,228.00 Thickness: d=30 cm m ² 47,758.00 m ² 10.01.05.00 01.01.05.01 7.1. Procurement and placing of 18/24 cm curbs m ² 325.00 01.01.05.02 7.2. Procurement and placing of 18/24 cm curbs m ³ 325.00 01.01.05.01 7.1. Procurement and installation of 90 cm concrete gutters m ³ 325.00 01.01.05.01 7.1. Placing of stone aggregate d= 8 cm. m ² 17,719.00 01.01.06.01. 9.5. Placing of stone aggregate d= 8 cm. m ² 71,227.00 01.01.06.03. 9.5. Placing of 4 cm thick wearing course made		-	τοται		,	EWATERING	
$\begin{array}{c c c c c c } 01.01.04.01 & AS.3.4 \\ Additional solutional sol$	01 01 04	1					
additional specificati ons 3.5 = 5.2, 2 Placing and rolling the sub-base of 0/31.5 mm crushed stone additional onr olled subgrade accepted by the Engineer. Rolling shall be additional onr olled subgrade accepted by the Engineer. Rolling shall be additional one rolled subgrade accepted by the Engineer. Rolling shall be additional one rolled subgrade accepted by the Engineer. Rolling shall be additional one rolled subgrade accepted by the Engineer. Rolling shall be additional one rolled subgrade accepted by the Engineer. Rolling shall be additional one rolled subgrade accepted by the Engineer. Rolling shall be additional one rolled subgrade accepted by the Engineer. Rolling shall be additional one rolled subgrade accepted by the Engineer. Rolling shall be additional one rolled subgrade accepted by the Engineer. Rolling shall be additional one roll of the r		AS-34					
specificati ons AS-6.2.2Placing and rolling the sub-base of 0'31.5 mm crushed stone additional onto rolled subgrade accepted by the Engineer. Rolling shall be specificati proformed until even surface is achieved according to designed ons gradients and crossfalls with tolerance of ± 1 cm.m²91,936.00Image Placing of Superstring second to rolled subgrade accepted by the Engineer. Rolling shall be specificati proformed until even surface is achieved according to designed ons gradients and crossfalls with tolerance of ± 1 cm.m²91,936.00Image Placing of Superstring second to rolled subgrade accepted by the Engineer. Rolling shall be second to rolled subgrade accepted by the Engineer. Rolling shall be proformed until even surface is achieved according to designed onsm²52,228.00Image Placing of Superstring second to rolled subgrade accepted by the Engineer.01.01.05.01 01.01.05.027.1.Procurement and placing of 18/24 cm curbsm²17,566.00Image01.01.05.02 01.01.05.017.2.Procurement and placing of 18/24 cm curbsm²325.00Image01.01.05.02 01.01.05.017.2.Procurement and placing of 18/24 cm curbsm²325.00Image01.01.05.02 01.01.05.019.3.SPHALT PAVEMENTImageImageImage01.01.05.01 01.01.05.019.3.ASPHALT PAVEMENTImageImageImage01.01.05.029.5.Placing of struminous base course BNS 22sA (Bit 60) consisting of stone aggregate d= 8 cmm²71,227.00Image01.01.06.03 01.01.06.049.6.Placing of 4 cm thick wearing course	01.01.04.01		Sandy graver materials - placing subgrade layer				
$\begin{array}{ c c c c } & m^2 & m^2 & 91,936.00 & \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$							
additional specificat specificat performed until even surface is achieved according to designed performed until even surface is achieved according to designed performed until even surface is achieved according to designed m ² Surface surface is achieved according to designed m ² m ² 52,228.00m ² m ² 52,228.00m ² Thickness: d=30 cmm ² 47,758.00m ² 17,566.00mmit17,566.00m01.01.05.01 01.01.05.01Thickness: d=38 cmm ² 01.01.05.02 01.01.05.022.2SUPERSTRUCTURE Procurement and placing of 18/24 cm curbsm ³ 325.00m ³ 325.00m01.01.05.01 01.01.05.01The currement and placing of 90 cm concrete guttersm ³ 325.0001.01.05.01 01.01.05.01ASPHALT PAVEMENTm ³ 325.00m01.01.05.01 01.01.05.01S.ASPHALT PAVEMENTm325.00m01.01.05.01 01.01.05.01S.ASPHALT PAVEMENTm325.00m01.01.05.01 01.01.05.01S.ASPHALT PAVEMENTm17,719.00m01.01.05.02S.Placing of stone aggregate d= 8 cmm ² 53,509.00mm01.01.05.03 01.01.05.03S.Placing of 4 cm thick wearing course made of skeleton mastic asphalt SMA 11sm ² 53,509.00mm01.01.06.03 01.01.05.03Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side d= 6 cmm ² 84,20.0				m²	91,936.00		
specificat onsperformed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm.m²Superstand statem²52,228.00m²47,758.00m²47,758.00m²47,758.00m³32,500m²1m³325,00m²1m³325,00m²1m³32,500m²1m³32,500m²1m³2,265,00m²1m³2,265,00m²1m³2,265,00m²1m³2,265,00m²1m³2,265,00m²1m³2,265,00m²1m³2,265,00m³1m³2,265,00m³1m³2,265,00m³1m³2,265,00m³1m³1,7,19,00m³1m³1,7,19,00m³1m³1,7,19,00m³1m³1,7,19,00m³1m³1,7,19,00m³1m³1,1,10,10,10,10,10,10,10,10,10,10,10,10,	01.01.04.02	AS-6.2.2	Placing and rolling the sub-base of 0/31.5 mm crushed stone				
ons product sand crossfalls with tolerance of ± 1 cm. Thickness: $d=10$ cmm²52,228.00m²52,228.001Thickness: $d=30$ cmm²47,758.00Thickness: $d=30$ cmm²17,566.00Thickness: $d=38$ cmm²17,566.0001.01.05.017.1.Procurement and placing of 18/24 cm curbsm²325.0001.01.05.027.2.Procurement and installation of 90 cm concrete guttersm²325.0001.01.06.019.3.Procurement and installation of 90 cm concrete guttersm²2,265.0001.01.06.019.3.ASPHALT PAVEMENT12,265.0001.01.06.019.3.ASPHALT PAVEMENT101.01.06.039.5.ASPHALT PAVEMENT101.01.06.049.5.ASPHALT PAVEMINT101.01.06.059.5.ASPHALT SAUCHINEm²53,509.0001.01.06.059.5.Placing of stone aggregate d= 8 cmm²53,509.0001.01.06.039.5.Placing of 4 cm thick wearing course made of skeleton mastic asphalt SMA 11sm²842.0001.01.06.049.6.Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side al 6 cmm²842.0001.01.07.01.12.6.7.Procurement and installation of 1.5 m high road fence made of galvanized mesh on poles of 40x40 mm stel boxesm²9,000.00							
Image: bit is the set of the se		specificati					
Image: bit is product on the second secon		ons	8				
Image: bit is the state of the st			Thickness: d=10 cm				
Image: constraint of the second se				m²	52,228.00		
Image: constraint of the second se			Thistory d 20 and		47 759 00		
TOTAL SUB-BASES:01.01.05.017.1.SUPERSTRUCTURE Procurement and placing of 18/24 cm curbsm'325.0001.01.05.027.2.Procurement and installation of 90 cm concrete guttersm' 325.00 01.01.05.027.2.Procurement and installation of 90 cm concrete guttersm' $2,265.00$ TOTAL SUPERSTRUCTURE:01.01.06.019.3.ASPHALT PAVEMENT01.01.06.01.9.3.Placing of bituminous base course BNS 22sA (Bit 60) consisting of stone aggregate $d= 8 cm$ m² $17,719.00$ 01.01.06.03.9.5.Placing of 4 cm thick wearing course made of skeleton mastic asphalt SMA 11sm² $53,509.00$ 01.01.06.04.9.6.Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side $d=6 cm$ m² 842.00 TOTAL ASPHALT PAVEMENT:OI.01.08.01.01.07.01.12.6.7.Procurement and installation of 1.5 m high road fence made of galvanized mesh on poles of 40x40 mm steel boxesm' $9,000.00$			Thickness: d=50 cm	1112	47,738.00		
01.01.05. 01.01.05.01SUPERSTRUCTURE01.01.05.017.1.Procurement and placing of 18/24 cm curbsm'325.0001.01.05.027.2.Procurement and installation of 90 cm concrete guttersm'2,265.00TOTAL SUPERSTRUCTURE:01.01.06.019.3.ASPHALT PAVEMENT01.01.06.01.9.3.Placing of bituminous base course BNS 22sA (Bit 60) consisting of stone aggregate $d= 8 \text{ cm}$ m²17,719.0001.01.06.03.9.5.Placing of 4 cm thick wearing course made of skeleton mastic asphalt SMA 11sm²53,509.0001.01.06.04.9.6.Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side $d=6 \text{ cm}$ m²71,227.00TOTAL ASPHALT PAVEMENT01.01.07.01.12.6.7.ROAD EQUIPMENT01.01.07.01.12.6.7.Procurement and installation of 1.5 m high road fence made of galvanized mesh on poles of 40x40 mm steel boxesm'9,000.00			Thickness: d=38 cm	m²	17,566.00		
01.01.05.017.1. Procurement and placing of 18/24 cm curbs m' 325.0001.01.05.027.2.Procurement and installation of 90 cm concrete gutters m' 325.0001.01.05.027.2.Procurement and installation of 90 cm concrete gutters m' 325.0001.01.06.019.3.SPHALT PAVEMENTTOTAL SUPERSTRUCTURE:01.01.06.01.9.3.SPHALT PAVEMENTm²17,719.0001.01.06.03.9.3.ASPHALT PAVEMENTm²17,719.0001.01.06.04.9.5.Placing of 5tone aggregate d= 8 cmm²53,509.0001.01.06.04.9.6.Placing of 4 cm thick wearing course made of skeleton mastic asphalt SMA 11sm²71,227.0001.01.06.04.9.6.Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side d = 6 cmm²842.00TOTAL SPHALT PAVEMENT:TOTAL SPHALT PAVEMENT:01.01.05.04.9.6.Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side m²m²842.00TOTAL SPHALT PAVEMENT:TOTAL SPHALT PAVEM			·		ТОТА	L SUB-BASES:	
01.01.05.01 01.01.05.027.1. Procurement and placing of 18/24 cm curbs Procurement and installation of 90 cm concrete gutters m'm'325.0001.01.05.027.2.Procurement and installation of 90 cm concrete gutters m'm'325.00COLSCONOI.01.06. 01.01.06.01.9.3.ASPHALT PAVEMENT Placing of bituminous base course BNS 22sA (Bit 60) consisting of stone aggregate d= 8 cmm217,719.0001.01.06.03. 01.01.06.04.9.5.Placing of 4 cm thick wearing course made of skeleton mastic asphalt SMA 11sm271,227.0001.01.06.04.9.6.Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side d= 6 cmm2842.00TOTAL SPHALT PAVEMENTCourse made of 3.5 m high road fence made of galvanized mesh on poles of 40x40 mm steel boxesm'9.6.9.6.Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side d= 6 cmm2842.00TOTAL SPHALT PAVEMENT:OI.01.08. 01.01.07.01.01.01.07.01.12.6.7.Procurement and installation of 1.5 m high road fence made of galvanized mesh on poles of 40x40 mm steel boxesm'9,000.00	01.01.05.		SUPERSTRUCTURE				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	01.01.05.01	7.1.					
nı'2,265.0001.01.06.01.9.3.ASPHALT PAVEMENT01.01.06.01.9.3.Placing of bituminous base course BNS 22sA (Bit 60) consisting of stone aggregate $d= 8 \text{ cm}$ m²17,719.0001.01.06.03.9.5.Placing of 4 cm thick wearing course made of skeleton mastic asphalt SMA 11sm²53,509.0001.01.06.04.9.6.Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side $d=6 \text{ cm}$ m²71,227.00TOTAL SPHALT PAVEMENTTOTAL SPHALT PAVEMENT01.01.06.04.9.6.Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side $d=6 \text{ cm}$ m²842.00TOTAL SPHALT PAVEMENT:TOTAL SPHALT PAVEMENT:TOTAL SPHALT PAVEMENT:01.01.07.01.12.67.Procurement and installation of 1.5 m high road fence made of galvanized mesh on poles of 40x40 mm steel boxesm'9,000.00			1 0	m'	325.00		
TOTAL SUPERSTRUCTURE: 01.01.06.01. 9.3. ASPHALT PAVEMENT 01.01.06.01. 9.3. Placing of bituminous base course BNS 22sA (Bit 60) m² 17,719.00 01.01.06.03. 9.5. Placing of 4 cm thick wearing course made of skeleton mastic asphalt SMA 11s m² 53,509.00 01.01.06.04. 9.6. Placing of 4 cm thick wearing course made of skeleton mastic asphalt SMA 11s m² 71,227.00 01.01.06.04. 9.6. Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side d=6 cm m² 842.00 TOTAL ASPHALT PAVEMENT: 01.01.07.01. 12.67. ROAD EQUIPMENT 01.01.07.01. 12.67. Procurement and installation of 1.5 m high road fence made of galvanized mesh on poles of 40x40 mm steel boxes m' 9,000.00	01.01.05.02	7.2.	Procurement and installation of 90 cm concrete gutters				
01.01.06. ASPHALT PAVEMENT 01.01.06.01. 9.3. Placing of bituminous base course BNS 22sA (Bit 60) consisting of stone aggregate d= 8 cm m² 17,719.00 01.01.06.03. 9.5. d= 8+8= 16 cm m² 53,509.00 01.01.06.04. 9.6. Placing of 4 cm thick wearing course made of skeleton mastic asphalt SMA 11s m² 71,227.00 01.01.06.04. 9.6. Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side d=6 cm m² 842.00 01.01.07.01. 12.6.7. Procurement and installation of 1.5 m high road fence made of galvanized mesh on poles of 40x40 mm steel boxes m¹ 9,000.00				m'	2,265.00		
01.01.06.01.9.3.Placing of bituminous base course BNS 22sA (Bit 60) consisting of stone aggregate d= 8 cmm217,719.0001.01.06.03.9.5. $d=8+8=16$ cmm253,509.0001.01.06.04.9.6.Placing of 4 cm thick wearing course made of skeleton mastic asphalt SMA 11sm271,227.0001.01.06.04.9.6.Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side d=6 cmm2842.00TOTAL ASPHALT PAVEMENT:01.01.07.01.12.6.7.Procurement and installation of 1.5 m high road fence made of galvanized mesh on poles of 40x40 mm steel boxesm'9,000.00				TC	TAL SUPER	STRUCTURE:	
01.01.06.03. 9.5. consisting of stone aggregate d= 8 cm m ² 17,719.00 01.01.06.03. 9.5. d= 8+8= 16 cm m ² 53,509.00 01.01.06.04. 9.6. Placing of 4 cm thick wearing course made of skeleton mastic asphalt SMA 11s m ² 71,227.00 01.01.06.04. 9.6. Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side d=6 cm m ² 842.00 01.01.06.8. 0.01.07.01. 12.6.7. ROAD EQUIPMENT TOTOLENDER 01.01.07.01. 12.6.7. Procurement and installation of 1.5 m high road fence made of galvanized mesh on poles of 40x40 mm steel boxes m ¹ 9,000.00	01.01.06.		ASPHALT PAVEMENT				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	01.01.06.01.	9.3.	Placing of bituminous base course BNS 22sA (Bit 60)				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				1			
01.01.06.03. 9.5. Placing of 4 cm thick wearing course made of skeleton mastic asphalt SMA 11s m² 71,227.00 01.01.06.04. 9.6. Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side d=6 cm m² 842.00 TOTAL TPAVEMENT 01.01.07.01. 12.6.7. ROAD EQUIPMENT m² 9,000.00 nd 9,000.00 m² 9,000.00 m²			d= 8 cm	m²	17,719.00		
01.01.06.03. 9.5. Placing of 4 cm thick wearing course made of skeleton mastic asphalt SMA 11s m² 71,227.00 01.01.06.04. 9.6. Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side d=6 cm m² 842.00 TOTAL TPAVEMENT 01.01.07.01. 12.6.7. ROAD EQUIPMENT m² 9,000.00 nd 9,000.00 m² 9,000.00 m²				_	52 500 00		
$\begin{array}{cccc} & & & & & & & & & & & & & & & & & $	01.01.07.02	0.5	d= 8+8= 16 cm Discing of 4 cm thick waaring course are to affect of the last	m ²	53,509.00		
01.01.06.04. 9.6. Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side d=6 cm m² 842.00 04-6 cm m² 842.00 m² TOTALT PAVEMENT 01.01.08. Procurement and installation of 1.5 m high road fence made of galvanized mesh on poles of 40x40 mm steel boxes m² 9,000.00 m² 9,000.00 m² 9,000.00 m²	01.01.06.03.	9.5.		m ²	71 227 00		
Placing of 4 cm thick wearing course made of asphalt concrete AB 11. Shoulder shall be stabilized at lower pavement side d=6 cm m² 842.00 01.01.08. m² 842.00 m² 01.01.07.01. 12.6.7. Procurement and installation of 1.5 m high road fence made of galvanized mesh on poles of 40x40 mm steel boxes m² 9,000.00	01.01.06.04	9.6		1	/1,22/.00		
m² 842.00 m² 9,000.00 m² 9,000.00	51.01.00.04.	2.0.					
TOTAL ASPHALT PAVEMENT: 01.01.08. ROAD EQUIPMENT 01.01.07.01. 12.6.7. Procurement and installation of 1.5 m high road fence made of galvanized mesh on poles of 40x40 mm steel boxes m' 9,000.00			AB 11. Shoulder shall be stabilized at lower pavement side				
01.01.08. ROAD EQUIPMENT 01.01.07.01. 12.6.7. Procurement and installation of 1.5 m high road fence made of galvanized mesh on poles of 40x40 mm steel boxes m' 9,000.00			d=6 cm	m²	842.00		
01.01.07.01. 12.6.7. Procurement and installation of 1.5 m high road fence made of galvanized mesh on poles of 40x40 mm steel boxes m' 9,000.00				TOT	AL ASPHAL	F PAVEMENT:	
01.01.07.01. 12.6.7. Procurement and installation of 1.5 m high road fence made of galvanized mesh on poles of 40x40 mm steel boxes m' 9,000.00	01.01.08.		ROAD EQUIPMENT				
galvanized mesh on poles of 40x40 mm steel boxes m' 9,000.00		12.6.7.					
m' 9,000.00							
TOTAL DOAD FOURDMENT.				m'	9,000.00		
IUIAL KUAD EUUITMENI.				т	TAL ROAD	EOUIPMENT	

01.01. SUMMARY - HIGHWAY ALIGNMENT		
01.01.01. PRELIMINARY WORKS		
01.01.02. EARTH WORKS		
01.01.03. DRAINAGE AND DEWATERING		
01.01.04. SUB-BASES		
01.01.05. SUPERSTRUCTURE		
01.01.06. ASPHALT PAVEMENT		
01.01.08. ROAD EQUIPMENT		
SUB-TOTAL		
Unforeseen work (5% of sub-total)		
	<u>TOTAL HIGHWAY ALIGNMENT (01.01.):</u>	

01.02. "PREDEJANE" GRADE-SEPARATED JUNCTION

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.02.01.		PRELIMINARY WORKS				
01.02.01.01.	2.1.	Geotechnical investigations				
		_		lump su	m	
01.02.01.02.	2.4.	Removal of bushes and trees	кт'	3.35		
		a) cutting bushes up to Ø10 cm: 11720 m ²				
		b) cutting bushes Ø10 - Ø25 cm: 17570 m ²				
		c) cutting trees Ø10 - Ø20 cm: 3405 pcs.				
		d) cutting trees Ø20 - Ø40 cm: 1702 pcs.				
		e) uprooting stumps Ø10 - Ø20 cm: 3405 pcs.				
		f) uprooting stumps Ø20 - Ø40 cm: 1702 pcs.				
01.02.01.03.	2.5.	Demolition of buildings		0.5.6.00		
01.02.01.01			m ²	956.00		
01.02.01.04.	2.6.	Finishing of the existing pavement	2	500.00		
01.02.01.05	2.7		m ²	508.00		
01.02.01.05.	2.7.	Demolition of the existing pavement	m²	95.00		
			TOTA	L PRELIMIN	ARY WORKS:	
01.02.02.		EARTH WORKS				
01.02.02.01.	3.2.	Bulk excavation and transport (including topsoil stripping and				
		stockpiling, excavation of soil of low bearing capacity,				
		topsoiling and grassing)				
		- Excavation in III and IV category soil with loading, transport				
		and unloading of material from the excavation or borrow pit				
		- up to 60 m	m ³	1,003.00		
		- up to 500 m	m ³	3,984.00		
		1000 2000	m ³	99,503.00		
01.02.02.02.	3.3.	- 1000 m - 3000 m Subsoil finishing	III ⁵	99,303.00		
01.02.02.02.	5.5.	Subson minimig	m²	43,820.00		
01.02.02.03.	3.4.	Construction of embankment (including topsoil stripping,		43,820.00		
01.02.02.03.	5.4.	construction of embankment (menduling topson surpping, construction of stepped side cuts, shoulder central part,				
		leveling, topsoiling and grassing of embankment slopes)				
		evening, topsoning and grassing of embankment slopes)	m ³	104,490.00		
		a) topsoil stripping: 10642 m ³	m	104,490.00		
		b) surplus topsoil: 4653 m ³				
		c) stepped side cuts: 656 m^3				
		d) shoulder central part: 915 m ³				
		e) topsoiling of slopes: 23500 m ²				
		f) topsoiling and grassing of shoulders: 6433 m ²				
		g) lining with stone the embankment slopes: 803 m ³				
01.02.02.04.	3.5.	Wedges next to structures				
			m ³	938.00		
01.02.02.05.	3.8.	Monitoring instruments		-		
		(soil settlement gauges, inclinometers, piezometers)		lump su	m	
				*	RTH WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.02.03.	1.5.	DRAINAGE AND DEWATERING	omt	Quantity	OmtTrice	1000
01.02.03.01.	4.1.	Drainage and dewatering of road base				
		- Excavation	m ³	14.00		
		- Procurement and laying of plastic half-perforated drain pipes for drainage of subgrade and central reserve. Pipes shall be laid				
		onto 5-10 cm thick layer of clay or lean concrete.				
		- Ø 150				
			m'	149.00		
		- Filling of drainage channels with filter material - sandy gravel				
		material or chippings of 1-6 cm in size, including fitting of fat				
		clay plug in the drain pipe.	m ³	14.00		
01.02.03.02.	4.3.	Drainage channels		53 0.00		
		 Excavation Procurement and installation of drain channels for controlled 	m ³	528.00		
		water drainage down the embankment slope				
			m'	246.00		
		TOTAL			EWATERING:	
01.02.04.		SUB-BASES				
01.02.04.01.	6.1	Sandy gravel materials - placing subgrade layer				
01.02.04.01.	0.1	Sundy graver materials placing subgrade layer	m²	23,713.00		
01.02.04.02.	6.2	Procurement and placing of 0/63 mm crushed stone as rolled				
		sub-base of pavement structure. Broken stone layer shall be				
		placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020.				
		or and size shan meet requirements of SKrS U.E9.020.				
		• d=15 cm	m²	227.00		
		• d=30 cm	m²	804.00		
01.02.04.03.	6.2	Placing and rolling the sub-base of 0/31.5 mm crushed stone		001100		
		onto rolled subgrade accepted by the Engineer. Rolling shall be				
		performed until even surface is achieved according to designed				
		gradients and crossfalls with tolerance of ± 1 cm.				
		• d=18 cm	m ²	2,583.00		
		• d=20 cm	m²	880.00		
		• d=30 cm	m ²	17,265.00		
		• d=34 cm	m²	333.00		
		^v u=J+ cm	111		L SUB-BASES:	
01.02.05.		SUPERSTRUCTURE		10111		
01.02.05.01.	7.1.	Verges, curbs and prefabricated elements				
011021001011	,					
		• curbs 18/24	m'	900.00		
		1 20/20		200.00		
01.02.05.02.	7.2.	• curbs 20/30 Gutters 90 cm	m'	288.00		
	,.2.		m	418.00		
			TC	TAL SUPER	STRUCTURE:	
01.02.06.		ASPHALT PAVEMENT				
01.02.06.01.	9.3.	Placing of bituminous base course BNS 22sA (Bit 60)				
		consisting of stone aggregate				
		• d=8 cm	m ²	508.00		
		• d=10 cm	m²	9,247.00		
01.02.06.02.	9.3.	Placing of bituminous base course BNS 22A (Bit 60)		.,=		
		consisting of stone aggregate				
01.02.07.02	0.2	• d=6 cm	m²	2,250.00		
01.02.06.03.	9.3.	Placing of bituminous base course BNHS 16 consisting of stone aggregate				
		• d=6 cm	m²	227.00		
01.02.06.04.	9.6.	Placing of wearing course made of asphalt concrete AB 11s				
		(Bit 60)		E00.00		
		• d=4 cm	m ²	508.00		
		• d=6 cm	m²	9,247.00		
					PAVEMENT:	
			,			

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.02.07.		CONCRETE PAVEMENT				
01.02.07.01.	10.1.	Pavement made of MB 40 concrete, 22 cm thick				
			m ²	2,250.00		
			TOTAI	CONCRETE	E PAVEMENT:	
01.02.08.		STRUCTURES, CULVERTS				
01.02.08.01.	11.3.	Small slab-top and pipe culverts				
01.02.08.02.	11.3	- Excavation				
			m ³	829.00		
01.02.08.03.	11.3	- Bed of sandy gravel materials, 20 cm thick - price includes				
		procurement and placing of sandy gravel material under the				
		pipes.	m ³	80.00		
01.02.08.04.	11.3	- Concrete work, MB 30		204.00		
01.00.00.05	11.0		m ³	294.00		
01.02.08.05.	11.3	Prefabricated concrete pipe culverts:		48.00		
		- Ø1000 mm	m'	48.00		
		- Ø1600 mm	m'	45.00		
		- 01000 IIIII		45.00		
		- Ø2000 mm	m'	47.00		
01.02.08.06.	11.3	- Waterproofing of top surfaces of pipe culverts with two paper				
		layers and three coats of bitumen solution over bituminized				
		paper. Payment per 1 m ² of unfolded area.				
			m²	758.00		
01.02.08.07.	11.3	- Construction of 20 cm thick paving made of broken stone		750.00		
011021001071	11.0	onto 10 cm thick sand layer with infill of 1:3 cement mortar				
		mix near culverts. Payment per 1 m ² of finished paying.				
			m²	49.00		
		T			5, CULVERTS:	
01.02.09.		ROAD EQUIPMENT				
01.02.09.01.	12.6.7.	Procurement and installation of 1.5 m high road fence made of				
		galvanized mesh on poles of 40x40 mm steel boxes				
		Participant and the Partic	m'	2,265.00		
	1			,		
			Т	JTAL ROAD	EQUIPMENT:	

01.02. SUMMARY - ''PR	REDEJANE'' GRADE-SEPARATED JUNCTION	
01.02.01. PREL	JMINARY WORKS	
01.02.02. EART	TH WORKS	
01.02.03. DRAI	INAGE AND DEWATERING	
01.01.04. SUB-I		
01.02.05. SUPE		
01.02.06. ASPH	IALT PAVEMENT	
01.02.07. CONC	CRETE PAVEMENT	
01.02.08. STRU	JCTURES, CULVERTS	
01.02.09. ROAD	D EQUIPMENT	
SUB-7	TOTAL	
Unfor	reseen work (5% of sub-total)	
	TOTAL "PREDEJANE" GRADE-SEPARATED JUNCTION (01.02.):	

01.03.05. Detour of M1 road

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.03.05.01.		PRELIMINARY WORKS				
01.03.05.01.01.	2.1.	Geotechnical investigations				
				lump su	ım	
01.03.05.01.02.	2.4.	Removal of bushes and trees a) cutting bushes up to Ø10 cm: 2025 m ² b) cutting bushes Ø10 - Ø25 cm: 2475 m ² c) cutting trees Ø10 - Ø20 cm: 495 pcs. d) cutting trees Ø20 - Ø40 cm: 248 pcs. e) uprooting stumps Ø10 - Ø20 cm: 495 pcs. f) uprooting stumps Ø20 - Ø40 cm: 248 pcs.	кт'	1.45		
01.03.05.01.03.	2.6.	Finishing of the existing pavement	m²	760.00		
01.03.05.01.04.	2.7	Demolition of the existing pavement	m²	4,525.00		
			TOTA	L PRELIMIN	ARY WORKS:	1-168

ULGANG: D13050201 List D13050201 LARTT FORKS Constructions and transport (not heading transport ad unlocal arrange) Dim Construction Constructions and transport (not heading transport and unlocal of native if not heading transport and unlocal and arsing of unlocal heading transport and unlocal and argin and arsing of unlocal heading transport and unlocal and unlocal and unlocal argin argin and unlocal and unlocal argin	Itana Na	тс	Wark Description	Unit	Quantity	Unit Duigo	Total		
01.0305.02.01. 3.2. Thick excavation of all memory of including topold serpting and including exervation of all of the backing topacity, including and analysis of the backing topacity, including and analysis of the backing topacity, including and analysis of the backing topacity, and analysis of the second to back of the backing topacity, and analysis of the second topacity and the seco	Item No. 01.03.05.02.	T.S.	Work Description EARTH WORKS	Unit	Quantity	Unit Price	Total		
01.03.05 02.02, 3.3.		32							
01.03.05.00.01 7.32 10.301.00 10.301.00 01.03.05.02.02 3.3 3000-3000 10 10 10.301.00 10 01.03.05.02.02 3.3 Submit intrange 1.391 m ² 10 10 10.991.00 10 01.03.05.02.02 3.3 Submit intrange 1.391 m ² 10 10.991.00 10 10 01.03.05.02.03 3.4 Submit intrange 1.381 m ² 10 10 10 10.991.00 10 01.03.05.02.03 3.4 Submit intrange 1.381 m ² 10 10 10.301.00 10 10 01.03.05.02.03 3.4 Conservation of experiable intrank-intrank intransition of experiable intrank-intrank intransition of experiable intrank-intrank intransition of experiable intransin experiable intrans	01.05.05.02.01.	5.2.							
Part of the second or in II and V category out with loading, transport and utuaking or material mode second is or borrow pit - up to 500 mn ³¹ 10,001.00-up to 500 mn ¹⁰¹ 10,001.00101-up to 500 mn ¹⁰¹ 0.355.00101-UD 000000000000000000000000000000000000									
$ \begin{array}{ c c c c c } & -up (c 500 m \\ \hline logoid itripping: 1291 m^2 \\ \hline logoid itripping: 1291 m^$			- Excavation in III and IV category soil with loading, transport						
a l popol stripping: 1201 m²m			and unloading of material from the excavation or borrow pit						
a l popol stripping: 1201 m²m				3	10 201 00				
b -3000, 5000, 30000, 3000, 3000, 3000, 3000, 3000, 3000, 30				m³	10,301.00				
$ \begin{array}{c c c c c c } & \begin{array}{c c c c c c } & \begin{array}{c c c c } & \begin{array}{c c c c } & \begin{array}{c c c } & \begin{array}{c c c c } & \begin{array}{c c } & \end{array}{c c } & \end{array}{c c } & \end{array}{c c } & \end{array}{c c } & \begin{array}{c c } & \begin{array}{c c } & \begin{array}{c c } & \end{array}{c c$									
01.03.05.02.0 3.3 Subsol finishing m ¹ 19.912.00 01.03.05.02.0 3.4 Construction of momentation of borrow pit m ³ 4,781.00 01.03.05.02.0 3.4 Construction of antipolation of action action of actio				m ³	6,355,00				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			- Excavation in V and VI category soil with loading, transport		0,000.000				
01.03.05.02.023.3.4Subsoil finishing n^2 4.781.00 $(-1)^2$ 01.03.05.02.033.4.Construction of embankment (including topsoil stripping, construction) of stepped side cuts, shoulder central part, leveling, topsoiling and grassing of embankment slopes) n^3 $(-1)^3$ <td></td> <td></td> <td>and unloading of material from the excavation or borrow pit</td> <td></td> <td></td> <td></td> <td></td>			and unloading of material from the excavation or borrow pit						
01.03.05.02.023.3.4Subsoil finishing n^2 4.781.00 $(-1)^2$ 01.03.05.02.033.4.Construction of embankment (including topsoil stripping, construction) of stepped side cuts, shoulder central part, leveling, topsoiling and grassing of embankment slopes) n^3 $(-1)^3$ <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
01.03.05.02.03 01.03.05.02.043.4.Construction of embankment (including topsoil stripping, construction of stepped side cut, shoulder central part, leveling, topsoiling and grassing of embankment slopes) b) shoulder central part, leveling, topsoiling and grassing of embankment slopes 2137 m³ b) shoulder central part, leveling, topsoiling and grassing of shoulder: 2403 m² b) shoulder central part, leveling, topsoiling and grassing of shoulder: 2403 m² b) shoulder central part, leveling, topsoiling and grassing of shoulder: 2403 m² b) shoulder central part, leveling, topsoiling and grassing of shoulder: 2403 m² b) shoulder central part, leveling, topsoiling and grassing of shoulder: 2403 m² b) shoulder central part, leveling, topsoiling and grassing of shoulder: 2403 m² b) shoulder central part, leveling, topsoiling and grassing of shoulder: 2403 m² b) shoulder central part, leveling, topsoiling and grassing of shoulder: 2403 m² b) shoulder central part, leveling, topsoiling and grassing of shoulder: 2403 m² b) shoulder central part, leveling, topsoiling and grassing shoulder central part, leveling, topsoiling and grassing shoulder: 2403 m² b) shoulder central part, leveling, topsoiling and grassing shoulder: 2403 m² b) shoulder central part, leveling, topsoiling and grassing shoulder: 2403 m² b) shoulder central part, leveling, leveling shoulder central part, leveling, leveling shoulder: 2403 m² b) shoulder central part, leveling, leveling shoulder central part, leveling	01.02.05.02.02			m ³	19,912.00				
01.03.05.02.03. 0.103.05.02.03.3.4.Construction of emplot deic curity part, leveling, topolling and grassing of embankment slopes) b) shoulder central part. 388 m² c) inpositing of slopes :2403 m² d) inpositing inpositin	01.03.05.02.02.	3.3.	Subsoil finishing	m2	4 781 00				
construction of stepped side cuts, shoulds" central prin, leveling, toppoiling and grassing of enhankment slopes.) m ² m ³ 10,301.0001.03.05.02.04.3.5.Wedges next no structures wedges next no structuresm ³ 10,04.0001.03.05.02.04.3.5.Wedges next no structures wedges next no structuresm ³ 1,04.0001.03.05.02.04.4.3.DRAINAGE AND DEWATERING Drainage channels - Executionm ³ 600.0001.03.05.04.01 01.03.05.04.016.4.SUB-BASES Standy grave finaterials - placing subgrade layerm ³ 600.0001.03.05.04.02 01.03.05.04.026.2.Procurement and placing of 0.03 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed tool finisked subgrade accepted by the Engineer. Stone orto rolled subgrade accepted by the Engineer. Stone orto rolled subgrade accepted by the Engineer. Stone orto rolled subgrade accepted by the Engineer. Store orto rolled subgrade accepted by the Engineer. St	01 03 05 02 03	3.4	Construction of embankment (including topsoil stripping	1112	4,781.00				
leveling, topooling and grassing of embankment slopes) b) shoulder central part: 38 m² c) topooling and grassing of shoulders: 2403 m² m² c) topooling and grassing of shoulders: 2403 m² m² d) topooling and grassing of shoulders: 2403 m² m² d) topooling and grassing of shoulders: 2403 m² m² d) topooling and grassing of shoulders: 2403 m² m²10.00.0001.03.05.04.01 01.03.05.04.02 01.03.05.04.02 01.03.05.04.02 01.03.05.04.02 01.03.05.04.02 01.03.05.04.02 01.03.05.04.02 01.03.05.04.02 01.03.05.04.02 01.03.05.04.02 01.03.05.04.02 01.03.05.04.02 01.03.05.04.02 01.03.05.04.02 01.03.05.04.02 01.03.05.04.02 01.03.05.06.01<	01.05.05.02.05.	5.4.							
10.305.02.04 b) shoulder central part: 388 m ³ c) topsolling of stopes: 7094 m ³ d) topsolling and grassing of shoulders: 2403 m ³ e) lining with stone the embakment slopes: 2137 m ³ n ³ 1.004.00 01.03.05.02.04 3.5 Wedges next to structures m ³ 1.004.00 01.03.05.03.01 4.3. DRAINAGE AND DEWATERING TOTAL EARTH WORKS: 01.03.05.04.01 6.1 Structures m ³ 6900.00 01.03.05.04.01 6.1 Structures m ³ 6900.00 01.03.05.04.01 6.1 Structures rement and placing of 063 mm cubed stone an olded stone of this size shall met requirement of SHS U.59.00.0 - 01.03.05.04.03 6.2 Procurement and placing of 063 mm cubed stone an olded stone of this size shall be requirement of SHS U.59.00.0 - 01.03.05.04.03 6.2 Procurement and placing of 70 cm concrete guiters 90 cm m ³ 10,175.00 01.03.05.05.01 7.2 Procurement and placing of 70 cm concrete guiters 90 cm m ³ 999.00 - 01.03.05.06.01 9.3 SUPERSTRUCTURE m ³ 999.00									
$\begin{array}{ c c c c c } & c c c c c c c c c c c c c c c c c c c$			······································	m ³	10,301.00				
d) opeoling and grassing of shoulders: 2403 m²Image: Construction of the constru									
01.03.05.02.04 0 0 0 0 01.03.05.02.04 3.5. Wedges next to structures m ³ 1.004.00 0 01.03.05.03.01 4.3. DRAINAGE AND DEWATERING Drainage channels m ³ 690.00 0 01.03.05.04.01 6.1. SUB-BASES TOTAL DRAINAGE AND DEWATERING 0 0 01.03.05.04.01 6.1. SUB-BASES m ³ 690.00 0 0 01.03.05.04.02 6.2. SUB-BASES m ² 13.121.00 0 0 01.03.05.04.02 6.2. Procurement and placing of 0.63 mm crushed stone as rolled subgrade accepted by the Engineer. Stone onto rolled subgrade accepted by the Engineer. Stone stone stone									
01.03.05.02.04, 01.03.05.03.01 3.5. Wedges next to structures m ³ 1.004.00									
Image: content of the second secon	01 02 05 02 04	25							
01.03.05.03.01 4.3. DRAINAGE AND DEWATERING 01.03.05.03.01 4.3. Drainage channels -Excavation m ³ 090.00 -Excavation m ³ 090.00 TOTAL DRAINAGE AND DEWATERING; 01.03.05.04.01 6.1 SUB-BASES Sundy gravel materials - placing subgrade layer m ² 13,121.00 01.03.05.04.02 6.2 Procurement and placing of 0/03 nm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. m ² 16,13.000 01.03.05.04.03. 6.2 Placing and rolling the sub-base of 0/31.5 mm crushed stone gradients and crossfalls with tolerance of ± 1 cm. m ² 10,175.00 TOTAL SUB-BASES; 01.03.05.05.01 7.2 SUPERSTRUCTURE Procurement and placing of 70 cm concrete gutters 90 cm m ² 10,175.00 TOTAL SUB-BASES; 01.03.05.06.01 9.3. Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate m ² 9,240.00 OI.03.05.06.02 9.6. Placing of wearing course made of asphalt concrete AB 11s m ² 9,240.00	01.03.05.02.04.	3.5.	wedges next to structures	m ³	1.004.00				
01.03.05.03.01 4.3. DRAINAGE AND DEWATERING 01.03.05.03.01 4.3. Drainage channels - Excavation m³ 690.00 01.03.05.04.01 6.1 Sundy gravel materials - placing subgrade layer m² 13.121.00 01.03.05.04.01 6.1 Sundy gravel materials - placing subgrade layer m² 13.121.00 01.03.05.04.02 6.2 Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. m² 16,130.00 01.03.05.04.03. 6.2 Placing and rolling the sub-base of 0/31.5 mm crushed stone gradients and crossfalls with tolerance of ± 1 cm. m² 10,175.00 01.03.05.05.01 7.2. SUPERSTRUCTURE Procurement and placing of 70 cm concrete gutters 90 cm m¹ 989.00 01.03.05.06.01 9.3. SUPERSTRUCTURE Placing of stuminous base course BNS 22A (Bit 60) consisting of stome ageregate - d=4 cm m² 9.240.00 01.03.05.06.02 9.6. Flacing of wearing course made of asphalt concrete AB 11s (Bit 60) - d=4 cm m² 9.240.00 01.03.05.07.01, 01.03.05.07.01, 01.03.05.07.01, 01.03.05.07.02, 01.03.05.07.02, 01.03.05.07.02, 01.				m	,	DTH WODKS.			
01.03.05.03.01 4.3. Drainage channels - Excavation m ³ 690.00 TOTAL DRAINAGE AND DEWATERING: 01.03.05.04.01 6.1 Sandy gravel materials - placing subgrade layer m ² 13,121.00 01.03.05.04.02 6.2 Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placing and rolling the sub-base of 0/31.5 mm crushed stone of this size shall meet requirements of SRPS U.E9.020. m ² 16,130.00 01.03.05.04.03. 6.2 Piceurgenet of use structure. Broken stone of use structure as tackieved according to designed gradients and crossfalls with tolerance of \pm 1 cm. m ² 10,175.00 TOTAL SUB-BASES: 01.03.05.06.01 7.2. SUPERSTRUCTURE TOTAL SUB-BASES: 01.03.05.06.01 9.3. SUPERSTRUCTURE m ² 10,175.00 TOTAL SUPERSTRUCTURE 01.03.05.06.01 9.3. SUPERSTRUCTURE m ² 989.00 10,175.00 TOTAL SUPERSTRUCTURE: 01.03.05.06.01 9.3. SUPERSTRUCTURE TOTAL SUPERSTRUCTURE: 01.03.05.06.01 9.3. STRUCTURES m ² 9,240.00 10,186.00 TOTAL SUPERSTR					IUIAL EA	KIH WOKKS:			
Image: bit of the second se				r —					
01.03.05.04.01. 6.1 SUB-BASES 01.03.05.04.01. 6.1 Sub-Base of gavael materials - placing subgrade layer m² 13.121.00 01.03.05.04.02 6.2 Procurement and placing of 0/63 mm crushed stone as rolled sub-base of gavael materials - Evoken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U. 19.020. m² 16,130.00 01.03.05.04.03. 6.2 Placing and rolling the sub-base of 0.31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed unit even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. m² 10,175.00 01.03.05.05.01 7.2. SUPERSTRUCTURE TOTAL SUB-BASES: 01.03.05.06.01 9.3. SUPERSTRUCTURE m² 989.00 01.03.05.06.01 9.3. Comment and placing of 70 cm concrete gutters 90 cm m² 9,240.00 01.03.05.06.01 9.3. SUPERSTRUCTURE m² 9,240.00 01.03.05.06.01 9.4. STRUCTURE m² 9,240.00 01.03.05.07.01 11.3 Current and placing of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the pines.	01.03.05.03.01	4.3.	C						
01.03.05.04. 01.03.05.04.01. SUB-BASES 01.03.05.04.02 6.1 Sandy gravel materials - placing subgrade layer m² 13,121.00 01.03.05.04.02 6.2 Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finisked subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. m² 16,130.00 01.03.05.04.03. 6.2 Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. m² 16,130.00 01.03.05.05.05 7.2. SUPERSTRUCTURE TOTAL SUB-BASES: 01.03.05.06.01 7.2. Procurement and placing of 70 cm concrete gutters 90 cm m² m² 10,175.00 TOTAL SUPERSTRUCTURE: 01.03.05.06.01 9.3. ASPHALT PAVEMENT TOTAL SUPERSTRUCTURE: 01.03.05.06.02 9.6. Placing of stone aggregate - d=8 cm m² 9,240.00 01.03.05.06.02 9.6. Placing of wearing course made of asphalt concrete AB 11s Bit 60) - d=4 cm m² 10,186.00 TOTAL ASPHALT PAVEMENT:			- Excavation	m ³	690.00				
01.03.05.04.01. 6.1 Sandy gravel materials - placing subgrade layer m^2 13,121.00 01.03.05.04.02 6.2 Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9 020. m^2 16,130.00 01.03.05.04.03. 6.2 Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. m^2 10,175.00 01.03.05.05.01 7.2. SUPERSTRUCTURE TOTAL SUB-BASES 01.03.05.06.01 9.3. SUPERSTRUCTURE Procurement and placing of 70 cm concrete gutters 90 cm m' 989.00 m' 01.03.05.06.01 9.3. ASPHALT PAVEMENT Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate $-d=8$ cm m^2 9,240.00 01.03.05.06.02 9.6. Placing of wearing course made of asphalt concrete AB 11s (Bit 60) m^2 10,186.00 11.3. StructTURES, CULVERTS m2 10,186.00 10,186.00 01.03.05.07.02. 11.3 StructTURES, CULVERTS m2 10,186.00 01.03.05.07.02. 11.3			TOTAL	DRAIN	AGE AND D	EWATERING:			
01.03.05.04.02 6.2 Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed onto finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9 020. m² 16,130.00 01.03.05.04.03. 6.2 Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. m² 16,130.00 01.03.05.05.01 7.2. SUPERSTRUCTURE TOTAL SUB-BASES: 01.03.05.06.01 7.2. SUPERSTRUCTURE m² 10,175.00 TOTAL SUB-BASES: 01.03.05.06.01 7.2. SUPERSTRUCTURE m² 10,175.00 TOTAL SUB-BASES: 01.03.05.06.01 9.3. ASPHALT PAVEMENT m² 989.00 OI accepted by the Engineer. ABI 18 01.03.05.06.02 9.6. Placing of bituminous base course BNS 22A (Bit 600) ocnsisting of stone aggregate m² 9,240.00 OI accepted by waring course made of asphalt concrete AB 11s m² 10,186.00 01.03.05.07.01 11.3. STRUCTURES, CULVERTS 10,186.00 10,186.00 <td colspan<="" td=""><td>01.03.05.04.</td><td></td><td>SUB-BASES</td><td></td><td></td><td></td><td></td></td>	<td>01.03.05.04.</td> <td></td> <td>SUB-BASES</td> <td></td> <td></td> <td></td> <td></td>	01.03.05.04.		SUB-BASES					
01.03.05.04.02 6.2 Procurement and placing of 0/63 mm crushed stone as rolled sub-base of pavement structure. Broken stone layer shall be placed out of fixibled subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.020. m² 16,130.00 01.03.05.04.03. 6.2 Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. m² 10,175.00 01.03.05.05. 0.03.05.05.01 7.2. SUPERSTRUCTURE TOTAL SUB-BASES: 01.03.05.06.01 7.2. SUPERSTRUCTURE m² 989.00 01.03.05.06.01 9.3. ASPHALT PAVEMENT m² 9,240.00 01.03.05.06.01 9.3. Placing of bituminous base course BNS 22A (Bit 60) consisting of stone agregate $-4=8$ cm m² 9,240.00 01.03.05.06.02 9.6. SUPERSTRUCTURES m² 10,186.00 01.03.05.07.02 11.3. Structures, cutverts m² 10,186.00 01.03.05.07.02 11.3. Structures, cutverts m² 2,828.00 10.186.00 01.03.05.07.02 11.3 -Bed of sandy gravel materials, 20 cm thick - price includes procument and placing of sandy gravel materials, 20	01.03.05.04.01.	6.1	Sandy gravel materials - placing subgrade layer	1					
01.03.05.04.03. 6.2 sub-base of pavement surveture. Broken stone layer shall be placed outo finished subgrade accepted by the Engineer. Stone of this size shall meet requirements of SRPS U.E9.02. m² 16,130.00 01.03.05.04.03. 6.2. Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. m² 16,130.00 01.03.05.05. 0.4=20 cm m² 10,175.00 TOTAL SUB-BASES: 01.03.05.05. 7.2. Precurement and placing of 70 cm concrete gutters 90 cm m' 989.00				m²	13,121.00				
01.03.05.04.03. 01.03.05.04.03.placed onto finished subgrade accepted by the Engineer. Store of this size shall meet requirements of SRPS U.E9 020.m²16,130.0001.03.05.04.03.6.2Placing and rolling the sub-base of 0/31.5 mm crushed store onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of \pm 1 cm.m²16,130.0001.03.05.05. 01.03.05.05.01 $-d=20$ cmm²10,175.00TOTAL SUB-BASES:OTTAL SUB-BASES:OTTAL SUB-BASES:OTTAL SUB-BASES:OTTAL SUPERSTRUCTUREOTTAL SUPERSTRUCTURE <td col<="" td=""><td>01.03.05.04.02</td><td>6.2</td><td></td><td></td><td></td><td></td><td></td></td>	<td>01.03.05.04.02</td> <td>6.2</td> <td></td> <td></td> <td></td> <td></td> <td></td>	01.03.05.04.02	6.2						
$\begin{array}{c c c c c c } & \begin{tabular}{ c c c } & \begin{tabular}{ c c c c } & \begin{tabular}{ c c c c } & \begin{tabular}{ c c c c c } & \begin{tabular}{ c c c c c c c } & \begin{tabular}{ c c c c c c c } & \begin{tabular}{ c c c c c c c } & \begin{tabular}{ c c c c c c c } & \begin{tabular}{ c c c c c c c } & \begin{tabular}{ c c c c c c c } & \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$									
01.03.05.04.03. 6.2 $\cdot d=30 \text{ cm}$ m^2 16,130.00 m^2 01.03.05.04.03.6.2Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of $\pm 1 \text{ cm}$. m^2 10,175.00 $\cdot d=20 \text{ cm}$ $\cdot d=20 \text{ cm}$ m^2 10,175.00 $\cdot d=20 \text{ cm}$ $\cdot d=20 \text{ cm}$ m^2 10,175.00 $\cdot d=20 \text{ cm}$ n^2 989.00 m^2 01.03.05.05.7.2.Procurement and placing of 70 cm concrete gutters 90 cm m^1 989.0001.03.05.06.017.2.Procurement and placing of 70 cm concrete gutters 90 cm m^1 989.0001.03.05.06.019.3.Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate $\cdot d=8 \text{ cm}$ m^2 9,240.0001.03.05.06.029.6.Placing of wearing course made of asphalt concrete AB 11s (Bit 60) $\cdot d=4 \text{ cm}$ m^2 10,186.0001.03.05.07.0111.3STRUCTURES, CULVERTS m^2 2,828.0001.03.05.07.0211.3- Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the mipes. m^2 2,828.0001.03.05.07.0311.3Concrete work, MB 30 m^2 2,828.00 m^2									
01.03.05.04.03. 6.2 Placing and rolling the sub-base of 0/31.5 mm crushed stome onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of \pm 1 cm. m ² 10,175.00 01.03.05.05. \cdot d=20 cm m ² 10,175.00 TOTAL SUB-BASES: 01.03.05.05. 7.2. Procurement and placing of 70 cm concrete gutters 90 cm m ³ 989.00 OTAL SUPERSTRUCTURE OTAL SUPERSTRUCTURE: OTAL SUPERSTRUCTURE: <td <="" colspan="2" td=""><td></td><td></td><td>of this size shall meet requirements of SRPS U.E9.020.</td><td></td><td></td><td></td><td></td></td>	<td></td> <td></td> <td>of this size shall meet requirements of SRPS U.E9.020.</td> <td></td> <td></td> <td></td> <td></td>				of this size shall meet requirements of SRPS U.E9.020.				
onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm.m²lll01.03.05.05 01.03.05.05.01 $\cdot \cdot d=20 \mathrm{cm}$ m²10,175.00m²10,175.0001.03.05.05.01 01.03.05.05.017.2.SUPERSTRUCTURE Procurement and placing of 70 cm concrete gutters 90 cmm²989.00m²10,175.0001.03.05.06.01 01.03.05.06.019.3.SUPERSTRUCTURE Procurement and placing of 70 cm concrete gutters 90 cmm²989.00m²10,175.0001.03.05.06.01 01.03.05.06.029.3.Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate ed=8 cmm²9,240.00100,108.0001.03.05.06.02 01.03.05.06.029.6.Flacing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate ed=4 cmm²9,240.00100,108.0001.03.05.07.02 01.03.05.07.0211.3STRUCTURES, CULVERTSm²10,186.00100,186.0001.03.05.07.02 01.03.05.07.0211.3FRUCTURES, CULVERTSm³2,828.00100,103.05.07,11.3001.03.05.07.03 01.0311.3For and placing of sandy gravel material, 20 cm thick - price includes procurement and placing of sandy gravel material under the pipes.m³2,828.00100,100,100,100,100,100,100,100,100,100			• d=30 cm	m²	16,130.00				
performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=20 cmm²10,175.0001.03.05.05.01 01.03.05.05.017.2.SUPERSTRUCTURE Procurement and placing of 70 cm concrete gutters 90 cmm²989.0001.03.05.06.01 01.03.05.06.017.2.SUPERSTRUCTURE Procurement and placing of 70 cm concrete gutters 90 cmm²989.0001.03.05.06.01 01.03.05.06.019.3.SPHALT PAVEMENT Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate • d=8 cmm²9,240.0001.03.05.06.02 01.03.05.06.029.6.Placing of wearing course made of asphalt concrete AB 11s (Bit 60) • d=4 cmm²9,240.0001.03.05.07.01 01.03.05.07.0111.3STRUCTURES, CULVERTSm²10,186.0001.03.05.07.02. 01.03.05.07.02.11.3Structures, CULVERTSm²01.03.05.07.02. 01.03.05.07.02.11.3- Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the procurement and placing of sandy gravel material under th	01.03.05.04.03.	6.2	Placing and rolling the sub-base of 0/31.5 mm crushed stone						
gradients and crossfalls with tolerance of ± 1 cm.m²10,175.00 $\bullet d=20$ cmm²10,175.0001.03.05.05. 01.03.05.05.017.2.SUPERSTRUCTURE Procurement and placing of 70 cm concrete gutters 90 cmm'989.0001.03.05.06.01 01.03.05.06.017.2.Procurement and placing of 70 cm concrete gutters 90 cmm'989.0001.03.05.06.01 01.03.05.06.019.3.ASPHALT PAVEMENT Practing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate $\bullet d=8$ cmm²9,240.0001.03.05.06.02 01.03.05.06.029.6.Placing of wearing course made of asphalt concrete AB 11s (Bit 60) $\bullet d=4$ cmm²10,186.0001.03.05.07.01 01.03.05.07.01STRUCTURES, CULVERTSm²10,186.0001.03.05.07.02 01.03.05.07.02STRUCTURES, CULVERTSm³2,828.0001.03.05.07.02 01.03.05.07.02Sed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the procurement and placing of sandy gravel material under the<									
$\cdot_{d=20 \text{ cm}}$ n^2 $10,175.00$ $01.03.05.05.$ $OTAL SUB-BASES$ $01.03.05.05.$ $TCTL SUB-BASES$ $01.03.05.05.$ $TCTL SUB-BASES$ $01.03.05.05.$ $TCTL SUB-BASES$ $01.03.05.05.$ $TCTL SUB-BASES$ $01.03.05.06.$ $9.3.$ $ASPHALT PAVEMENT$ $TCTL SUB-BASES$ $TCTL SUB-BASES$ $01.03.05.06.02$ $9.3.$ $ASPHALT PAVEMENT$ $01.03.05.06.02$ $9.3.$ $ASPHALT PAVEMENT$ m^2 $9.240.00$ $01.03.05.06.02$ $9.3.$ $Placing of bituminous base course BNS 22A (Bit 60)consisting of stone aggregate-d=8 cm m^2 9.240.00 m^2 9.240.00 01.03.05.07.02. Placing of wearing course made of asphalt concrete AB 11s(Bit 60)-d=4 cm m^2 10.186.00 m^2 10.186.00 m^2 10.186.00 m^2 10.186.00 m^2 10.186.00 $									
01.03.05.05. 01.03.05.05.01 SUPERSTRUCTURE Procurement and placing of 70 cm concrete gutters 90 cm m' 989.00 01.03.05.06 01.03.05.06.01 7.2. Procurement and placing of 70 cm concrete gutters 90 cm m' 989.00 01.03.05.06.01 9.3. Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate • d=8 cm m ² 9,240.00 01.03.05.06.02 9.6. Placing of waring course made of asphalt concrete AB 11s (Bit 60) • d=4 cm m ² 10,186.00 TOTAL ASPHALT PAVEMENT TOTAL SUPERSTRUCTURE: 01.03.05.07.01. 01.1.3. STRUCTURES, CULVERTS Small slab-top and pipe culverts m ³ 2,828.00 01.03.05.07.02. 11.3. - Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the pipes. m ³ 01.03.05.07.03. 11.3. Concrete work, MB 30 m ³ 66.00 m ³			gradients and crossfalls with tolerance of ± 1 cm.						
01.03.05.05. 01.03.05.05.01 SUPERSTRUCTURE Procurement and placing of 70 cm concrete gutters 90 cm m' 989.00 01.03.05.06 01.03.05.06.01 7.2. Procurement and placing of 70 cm concrete gutters 90 cm m' 989.00 01.03.05.06.01 9.3. Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate • d=8 cm m ² 9,240.00 01.03.05.06.02 9.6. Placing of waring course made of asphalt concrete AB 11s (Bit 60) • d=4 cm m ² 10,186.00 TOTAL ASPHALT PAVEMENT TOTAL SUPERSTRUCTURE: 01.03.05.07.01. 01.1.3. STRUCTURES, CULVERTS Small slab-top and pipe culverts m ³ 2,828.00 01.03.05.07.02. 11.3. - Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the pipes. m ³ 01.03.05.07.03. 11.3. Concrete work, MB 30 m ³ 66.00 m ³			• d=20 cm	m²	10 175 00				
01.03.05.05. 01.03.05.05.01 SUPERSTRUCTURE 01.03.05.05.01 7.2. Procurement and placing of 70 cm concrete gutters 90 cm m' 989.00 01.03.05.06.01 9.3. ASPHALT PAVEMENT TOTAL SUPERSTRUCTURE: 01.03.05.06.01 9.3. Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate · d=8 cm m² 9,240.00 01.03.05.06.02 9.6. Placing of wearing course made of asphalt concrete AB 11s (Bit 60) · d=4 cm m² 10,186.00 01.03.05.07.02 11.3. STRUCTURES, CULVERTS m³ 10,186.00 01.03.05.07.02. 11.3. Structures, culverts m³ 2,828.00 01.03.05.07.02. 11.3. - Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the pipes. m³ 66.00 01.03.05.07.03. 11.3 Concrete work, MB 30 m³ 66.00			- u-20 cm	m	,	I STID DASES.			
01.03.05.05.01 7.2. Procurement and placing of 70 cm concrete gutters 90 cm m ¹ 989.00 01.03.05.06 01.03.05.06.01 9.3. ASPHALT PAVEMENT TOTAL SUPERSTRUCTURE: 01.03.05.06.01 9.3. Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate • d=8 cm m ² 9,240.00 01.03.05.06.02 9.6. Placing of wearing course made of asphalt concrete AB 11s (Bit 60) • d=4 cm m ² 10,186.00 01.03.05.07.0 11.3. STRUCTURES, CULVERTS m ² 10,186.00 01.03.05.07.01. 11.3. STRUCTURES, CULVERTS m ³ 2,828.00 01.03.05.07.02. 11.3. - Excavation m ³ 2,828.00 01.03.05.07.03. 11.3 - Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the pipes. m ³ 2,828.00 01.03.05.07.03. 11.3 Concrete work, MB 30 - Main gravel material under the pipes. m ³ 66.00	04.05.05.5				IUIA	L SUD-DASES:			
Image: mark 989.00 01.03.05.06 ASPHALT PAVEMENT 01.03.05.06.01 9.3. Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate • d=8 cm m ² 9,240.00 01.03.05.06.02 9.6. Placing of wearing course made of asphalt concrete AB 11s (Bit 60) • d=4 cm m ² 9,240.00 01.03.05.07.02 9.6. STRUCTURES, CULVERTS m ² 10,186.00 01.03.05.07.01 11.3. STRUCTURES, CULVERTS Image: mark Image: mark 01.03.05.07.02 11.3. Stal slab-top and pipe culverts procurement and placing of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the pipes. m ³ 2,828.00 01.03.05.07.03 11.3 Concrete work, MB 30 Image: mark Image: mark				1					
01.03.05.06 ASPHALT PAVEMENT 01.03.05.06.01 9.3. Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate • d=8 cm m ² 9,240.00 01.03.05.06.02 9.6. Placing of wearing course made of asphalt concrete AB 11s (Bit 60) • d=4 cm m ² 10,186.00 TOTAL SUPERSTRUCTURE: O1.03.05.07. 01.03.05.07.01 11.3. STRUCTURES, CULVERTS Small slab-top and pipe culverts m ³ 2,828.00 01.03.05.07.02. 11.3. - Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the pipes. m ³ 2,828.00 01.03.05.07.03. 11.3 Concrete work, MB 30 m ³ 66.00	01.03.05.05.01	7.2.	Procurement and placing of 70 cm concrete gutters 90 cm						
01.03.05.06 ASPHALT PAVEMENT 01.03.05.06.01 9.3. Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate • d=8 cm m ² 9,240.00 01.03.05.06.02 9.6. Placing of wearing course made of asphalt concrete AB 11s (Bit 60) • d=4 cm m ² 10,186.00 TOTAL ASPHALT PAVEMENT: OI.03.05.07. 11.3. STRUCTURES, CULVERTS 11.3. Small slab-top and pipe culverts m ³ 01.03.05.07.01. 11.3 01.03.05.07.02. 11.3 01.03.05.07.02. 11.3 01.03.05.07.02. 11.3 01.03.05.07.03. 11.3 01.03.05.07.03. 11.3									
01.03.05.06.01 9.3. Placing of bituminous base course BNS 22A (Bit 60) consisting of stone aggregate · d=8 cm m² 9,240.00 01.03.05.06.02 9.6. Placing of wearing course made of asphalt concrete AB 11s (Bit 60) · d=4 cm m² 10,186.00 TOTAL ASPHALT PAVEMENT: O1.03.05.07.01. 01.03.05.07.01. 11.3. STRUCTURES, CULVERTS O1.03.05.07.02. 11.3. Olicitation of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the pipes. 01.03.05.07.03. 11.3 Concrete work, MB 30				TC	OTAL SUPER	STRUCTURE:			
$\begin{array}{cccc} & & & & & & & & & & & & & & & & & $	01.03.05.06		ASPHALT PAVEMENT						
$\begin{array}{cccc} & & & & & & & & & & & & & & & & & $	01.03.05.06.01	9.3.							
$01.03.05.06.02$ 9.6. $\bullet d=8 \text{ cm}$ m^2 9,240.00Image: constant of a sphalt concrete AB 11s (Bit 60) $\bullet d=4 \text{ cm}$ m^2 10,186.00 TOTAL SPHALT PAVEMENT:O1.03.05.07.11.3. 11.3. STRUCTURES, CULVERTSSTRUCTURES, CULVERTSO1.03.05.07. 11.3. STRUCTURES, CULVERTSO1.03.05.07. 11.3. STRUCTURES, CULVERTSSTRUCTURES, CULVERTSO1.03.05.07. 11.3. Structures, culverts - Excavationm ³ - Excavationm ³ - Sed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the pipes.m ³ 66.0001.03.05.07.03.11.3Concrete work, MB 30Image: colspan="4"> Image: colspan="4">Colspan="4">Image: colspan="4">Colspan="4">Image: colspan="4"01.03.05.07.03.11.3Image: colspan="4">Colspan="4">Image: colspan="4"01.03.05.07.03.11.3Image: colspan="4"Image: colspan="4"01.03.05.07.03.11.3Image: colspan="4"Image: colspan="4"Image: colspan="4">Image: colspan="4">Image: colspan="4"Image: colspan="									
(Bit 60) m ² 10,186.00 • d=4 cm m ² 10,186.00 O1.03.05.07. STRUCTURES, CULVERTS STRUCTURES, CULVERTS 01.03.05.07.01. Small slab-top and pipe culverts Image: Comparison of the comparison of			• d=8 cm	m²	9,240.00				
• d=4 cm m² 10,186.00 O1.03.05.07. STRUCTURES, CULVERTS TOTAL ASPHALT PAVEMENT: 01.03.05.07.01. 11.3. Small slab-top and pipe culverts Image: Colored co	01.03.05.06.02	9.6.							
TOTAL ASPHALT PAVEMENT: 01.03.05.07. STRUCTURES, CULVERTS 11.3. Small slab-top and pipe culverts				_	10 10 6 00				
01.03.05.07. STRUCTURES, CULVERTS 11.3. 11.3. 01.03.05.07.01. 11.3 01.03.05.07.02. 11.3 - Excavation m ³ - Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the pipes. 01.03.05.07.03. 11.3			• d=4 cm						
Markov Markov 01.03.05.07.01. 11.3 01.03.05.07.02. 11.3 - Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the pipes. 01.03.05.07.03. 11.3 - Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the pipes. 01.03.05.07.03. 11.3				TOT	AL ASPHALT	PAVEMENT:			
01.03.05.07.01.11.3- Excavationm³2,828.0001.03.05.07.02.11.3- Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the pipes.m³66.0001.03.05.07.03.11.3Concrete work, MB 3066.00	01.03.05.07.								
01.03.05.07.02. 11.3 - Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the pipes. m ³ 2,828.00 01.03.05.07.03. 11.3 Concrete work, MB 30 m ³ 66.00									
01.03.05.07.02. 11.3 - Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the pipes. m ³ 66.00 01.03.05.07.03. 11.3 Concrete work, MB 30 66.00 66.00	01.03.05.07.01.	11.3	- Excavation						
01.03.05.07.03. 11.3 Concrete work, MB 30 66.00	01.02.05.05.02	11.0		m ³	2,828.00				
pipes. m³ 66.00 01.03.05.07.03. 11.3 Concrete work, MB 30	01.03.05.07.02.	11.3							
01.03.05.07.03. 11.3 Concrete work, MB 30				m ³	66.00				
	01.03.05.07.03	11 3		III	00.00				
	51.05.05.07.05.	11.3	Concrete work, ind 50	m ³	282.00				

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.03.05.07.04.	11.3	Prefabricated concrete pipe culverts:				
		- Ø1600 mm	m'	145.00		
01.03.05.07.05.	11.3	- Waterproofing of top surfaces of pipe culverts				
			m²	831.00		
		ſ	TOTAL S	TRUCTURES	5, CULVERTS:	

01.03.05.01. PRELIMINARY WORKS	
01.03.05.02. EARTH WORKS	
01.03.05.03. DRAINAGE AND DEWATERING	
01.03.05.04. SUB-BASES	
01.03.05.05. SUPERSTRUCTURE	
01.03.05.06. ASPHALT PAVEMENT	
01.03.05.07. STRUCTURES, CULVERTS	

01.03.06. Detour of local road No.4

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.03.06.01.		PRELIMINARY WORKS				
01.03.06.01.01.	2.1.	Geotechnical investigations				
				lump su	m	
01.03.06.01.02.	2.4.	Removal of bushes and trees	кm'	0.30		
		a) cutting bushes up to Ø10 cm: 382 m ²				
		b) cutting bushes Ø10 - Ø25 cm: 468 m ²				
		c) cutting trees Ø10 - Ø20 cm: 93 pcs.				
		d) cutting trees Ø20 - Ø40 cm: 46 pcs.				
		e) uprooting stumps Ø10 - Ø20 cm: 93 pcs.				
		f) uprooting stumps Ø20 - Ø40 cm: 46 pcs.				
			TOTAL	L PRELIMIN	ARY WORKS:	
01.03.06.02.		EARTH WORKS				
01.03.06.02.01.	3.2.	Bulk excavation and transport (including topsoil stripping and				
		stockpiling, excavation of soil of low bearing capacity,				
		topsoiling and grassing)				
		- Excavation in III and IV category soil with loading, transport				
		and unloading of material from the excavation or borrow pit				
		, , , , , , , , , , , , , , , , , , ,				
		- up to 60 m	m ³	444.00		
		a) topsoil stripping: 513 m ³				
		- 500 m - 1000 m	m ³	1,583.00		
		a) surplus topsoil: 319 m^3	111-	1,585.00		
01.03.06.02.02.	3.3.	Subsoil finishing				
01.05.00.02.02.	5.5.	Subson mining	m²	1,524.00		
01.03.06.02.03.	3.4.	Construction of embankment (including topsoil stripping,		1,021100		
011001001021001	5111	excavation of stepped side cuts, shoulder central part, leveling,				
		topsoiling and grassing of embankment slopes)				
		······································	m ³	2,027.00		
		b) shoulder central part: 22 m ³		-		
		c) topsoiling of slopes: 675 m ²				
		d) topsoiling and grassing of shoulders: 295 m ²				
01.03.06.02.04.	3.5.	Wedges next to structures				
			m ³	41.00		
				TOTAL EA	RTH WORKS:	
01.03.06.03.		DRAINAGE AND DEWATERING			<u>.</u>	
01.03.06.03.01.	4.3.	Drainage channels	I			
		- Excavation				
			m ³	13.00		
		- Lining of channels with prefabricated elements of MB 30				
		concrete onto 5 cm thick sandy gravel bed.				
		-	m²	50.00		
		TOTAL	DRAIN	AGE AND D	EWATERING:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.03.06.04.		SUB-BASES				
01.03.06.04.01.	6.1	Sandy gravel materials - placing subgrade layer				
			m ²	1,697.00		
01.03.06.04.02.	6.2	Procurement and placing of 0/63 mm crushed stone as rolled				
		sub-base of pavement structure. Broken stone layer shall be				
		placed onto finished subgrade accepted by the Engineer. Stone				
		of this size shall meet requirements of SRPS U.E9.020.				
		• d=20 cm	m²	1,340.00		
01.03.06.04.03.	6.2	Placing and rolling the sub-base of 0/31.5 mm crushed stone				
		onto rolled subgrade accepted by the Engineer. Rolling shall be				
		performed until even surface is achieved according to designed				
		gradients and crossfalls with tolerance of ± 1 cm.				
		• d=15 cm	m ²	1,040.00		
				TOTAL	L SUB-BASES:	
01.03.06.05.		SUPERSTRUCTURE				
01.03.06.05.01.	7.2.	Procurement and placing of 70 cm concrete gutters 70 cm				
			m'	180.00		
			TO	DTAL SUPER	STRUCTURE:	
01.03.06.06.		STRUCTURES, CULVERTS				
	11.3.	Small slab-top and pipe culverts				
01.03.06.06.01.	11.3	- Excavation				
			m ³	35.00		
01.03.06.06.02.	11.3	- Bed of sandy gravel materials, 20 cm thick - price includes				
		procurement and placing of sandy gravel material under the	2	1.00		
01.03.06.06.03.	11.2	pipes. Concrete work, MB 30	m ³	4.00		
01.03.06.06.03.	11.3	Concrete work, MB 30	m ³	13.00		
01.03.06.06.04.	11.3	Prefabricated concrete pipe culverts:	111	15.00		
01100100100104.	11.0	- Ø400 mm	m'	10.00		
		- Ø1000 mm	m'	8.00		
01.03.06.06.05.	11.3	- Waterproofing of top surfaces of pipe culverts				
			m²	30.00		
		TO	DTAL S	TRUCTURES	5, CULVERTS:	

01.03.06. SUMMARY - Detour of local road No.4		
01.03.06.01. PRELIMINARY WORKS		
01.03.06.02. EARTH WORKS		
01.03.06.03. DRAINAGE AND DEWATERING		
01.03.06.04. SUB-BASES		
01.03.06.05. SUPERSTRUCTURE		
01.03.06.06. STRUCTURES, CULVERTS		
	TOTAL Detour of local road No.4 (01.03.06.):	

01.03.07. Detour of local road No.5

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.03.07.01.		PRELIMINARY WORKS				
01.03.07.01.01.	2.1.	Geotechnical investigations				
				lump su	m	
01.03.07.01.02.	2.4.	Removal of bushes and trees	кm'	0.20		
		a) cutting bushes up to Ø10 cm: 90 m ²				
		b) cutting bushes Ø10 - Ø25 cm: 110 m ²				
		c) cutting trees Ø10 - Ø20 cm: 22 pcs.				
		d) cutting trees Ø20 - Ø40 cm: 11 pcs.				
		e) uprooting stumps Ø10 - Ø20 cm: 22 pcs.				
		f) uprooting stumps Ø20 - Ø40 cm: 11 pcs.				
			ΤΟΤΑΙ	L PRELIMIN	ARY WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.03.07.02.		EARTH WORKS		C <i>V</i>		
01.03.07.02.01.	3.2.	Bulk excavation and transport (including topsoil stripping and				
011001071021011	0.2.	stockpiling, excavation of soil of low bearing capacity,				
		topsoiling and grassing)				
		- Excavation in III and IV category soil with loading, transport				
		and unloading of material from the excavation or borrow pit				
		and amounting of material from the creatian of correst pr				
		- 500 m - 1000 m	m ³	346.00		
		a) topsoil stripping: 318 m ³				
		b) surplus topsoil: 261 m ³				
		c) topsoiling and grassing of shoulders: 286 m ²				
01.03.07.02.02.	3.3.	Subsoil finishing				
		-	m²	113.00		
01.03.07.02.03.	3.4.	Construction of embankment (including topsoil stripping,				
		excavation of stepped side cuts, shoulder central part, leveling,				
		topsoiling and grassing of embankment slopes)				
			m ³	1.00		
		b) shoulder central part: 36 m ³				
				TOTAL EA	RTH WORKS:	
01.03.07.03.		DRAINAGE AND DEWATERING				
01.03.07.03.01.	4.3.	Drainage channels				
01.05.07.05.01.	4.5.	- Excavation	m ³	49.00		
					EWATERING:	
01 02 07 04			DRAM		Etimiekii(G.	
01.03.07.04.		SUB-BASES				
01.03.07.04.01.	6.1	Sandy gravel materials - placing subgrade layer	2	022.00		
01.00.07.01.00			m ²	833.00		
01.03.07.04.02.	6.2	Procurement and placing of 0/63 mm crushed stone as rolled				
		sub-base of pavement structure. Broken stone layer shall be				
		placed onto finished subgrade accepted by the Engineer. Stone				
		of this size shall meet requirements of SRPS U.E9.020.				
		• d=20 cm	m²	770.00		
01.03.07.04.03.	6.2	Placing and rolling the sub-base of 0/31.5 mm crushed stone		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
011001071011001	0.2	onto rolled subgrade accepted by the Engineer. Rolling shall be				
		performed until even surface is achieved according to designed				
		gradients and crossfalls with tolerance of ± 1 cm.				
		• d=15 cm	m²	574.00		
				TOTA	L SUB-BASES:	
01.03.07.05.		STRUCTURES, CULVERTS				
	11.3.	Small slab-top and pipe culverts				
01.03.07.05.01.	11.3	Prefabricated concrete pipe culverts:				
		- Ø400 mm	m'	23.00		
		T	DTAL S	TRUCTURES	S, CULVERTS:	
					.,	

01.03.07. SUMMARY - Detour of local road No.5		
01.03.07.01. PRELIMINARY WORKS		
01.03.07.02. EARTH WORKS		
01.03.07.03. DRAINAGE AND DEWATERING		
01.03.07.04. SUB-BASES		
01.03.07.05. STRUCTURES, CULVERTS		
	TOTAL Detour of local road No.5 (01.03.07.):	

01.03.08. Detour of local road No.6

Item No. T. 01.03.08.01. 2. 01.03.08.01.01. 2. 01.03.08.01.02. 2. 01.03.08.01.02. 2. 01.03.08.02.01. 3.	1. C 4. F 4. F 4. F 4. F 4. C 4. C 6 6 6 7 7 7 7 8 7 8 7 8 8 8 8 8 1 8 1 8 1 8 1	Work Description PRELIMINARY WORKS Geotechnical investigations Removal of bushes and trees a) cutting bushes up to Ø10 cm: 54 m² b) cutting bushes Ø10 - Ø25 cm: 66 m² c) cutting trees Ø10 - Ø20 cm: 13 pcs. c) cutting trees Ø20 - Ø40 cm: 6 pcs. c) uprooting stumps Ø10 - Ø20 cm: 13 pcs. c) uprooting stumps Ø20 - Ø40 cm: 6 pcs. EARTH WORKS Bulk excavation and transport (including topsoil stripping and tockpiling, excavation of soil of low bearing capacity, opsoiling and grassing) Excavation in III and IV category soil with loading, transport and unloading of material from the excavation or borrow pit	Unit Km' TOTAI	Quantity lump su 0.20	Unit Price	Total
01.03.08.01.01. 2. 01.03.08.01.02. 2. 01.03.08.02.	1. C 4. F a b c c d f f f 2. F s t t a	Geotechnical investigations Removal of bushes and trees a) cutting bushes up to Ø10 cm: 54 m ² b) cutting bushes Ø10 - Ø25 cm: 66 m ² c) cutting trees Ø10 - Ø20 cm: 13 pcs. cutting trees Ø20 - Ø40 cm: 6 pcs. cutting stumps Ø10 - Ø20 cm: 13 pcs. cutting stumps Ø20 - Ø40 cm: 6 pcs. cutting stumps @20 - Ø40 cm: 6 pcs.		0.20		
01.03.08.01.02. 2. 01.03.08.02.	4. F a c c c f f 2. F s t - a	Removal of bushes and trees a) cutting bushes up to Ø10 cm: 54 m ² b) cutting bushes Ø10 - Ø25 cm: 66 m ² c) cutting trees Ø10 - Ø20 cm: 13 pcs. c) uprooting stumps Ø10 - Ø20 cm: 13 pcs. c) uprooting stumps Ø20 - Ø40 cm: 6 pcs. c) uprooting stumps Ø20 - Ø40 cm: 6 pcs. EARTH WORKS Bulk excavation and transport (including topsoil stripping and tockpiling, excavation of soil of low bearing capacity, opsoiling and grassing) Excavation in III and IV category soil with loading, transport		0.20		
01.03.08.02.	2. France and the second secon	 a) cutting bushes up to Ø10 cm: 54 m² b) cutting bushes Ø10 - Ø25 cm: 66 m² c) cutting trees Ø10 - Ø20 cm: 13 pcs. c) cutting trees Ø20 - Ø40 cm: 6 pcs. c) uprooting stumps Ø10 - Ø20 cm: 13 pcs. c) uprooting stumps Ø20 - Ø40 cm: 6 pcs. EARTH WORKS Bulk excavation and transport (including topsoil stripping and tockpiling, excavation of soil of low bearing capacity, opsoiling and grassing) Excavation in III and IV category soil with loading, transport		0.20		
01.03.08.02.	2. France and the second secon	 a) cutting bushes up to Ø10 cm: 54 m² b) cutting bushes Ø10 - Ø25 cm: 66 m² c) cutting trees Ø10 - Ø20 cm: 13 pcs. c) cutting trees Ø20 - Ø40 cm: 6 pcs. c) uprooting stumps Ø10 - Ø20 cm: 13 pcs. c) uprooting stumps Ø20 - Ø40 cm: 6 pcs. EARTH WORKS Bulk excavation and transport (including topsoil stripping and tockpiling, excavation of soil of low bearing capacity, opsoiling and grassing) Excavation in III and IV category soil with loading, transport			ARY WORKS:	
	L c c c e f f 2. F s t - a	 a) cutting bushes Ø10 - Ø25 cm: 66 m² b) cutting trees Ø10 - Ø20 cm: 13 pcs. c) cutting trees Ø20 - Ø40 cm: 6 pcs. c) uprooting stumps Ø10 - Ø20 cm: 13 pcs. c) uprooting stumps Ø20 - Ø40 cm: 6 pcs. EARTH WORKS Bulk excavation and transport (including topsoil stripping and tockpiling, excavation of soil of low bearing capacity, opsoiling and grassing) Excavation in III and IV category soil with loading, transport	TOTAI	2 PRELIMIN	ARY WORKS:	
	2. France State St	 c) cutting trees Ø10 - Ø20 cm: 13 pcs. c) cutting trees Ø20 - Ø40 cm: 6 pcs. c) uprooting stumps Ø10 - Ø20 cm: 13 pcs. c) uprooting stumps Ø20 - Ø40 cm: 6 pcs. EARTH WORKS Bulk excavation and transport (including topsoil stripping and tockpiling, excavation of soil of low bearing capacity, opsoiling and grassing) Excavation in III and IV category soil with loading, transport	TOTAI	. PRELIMIN	ARY WORKS:	
	c e f f 2. H s t t - a	 a) cutting trees Ø20 - Ø40 cm: 6 pcs. b) uprooting stumps Ø10 - Ø20 cm: 13 pcs. c) uprooting stumps Ø20 - Ø40 cm: 6 pcs. EARTH WORKS Bulk excavation and transport (including topsoil stripping and tockpiling, excavation of soil of low bearing capacity, opsoiling and grassing) Excavation in III and IV category soil with loading, transport	TOTAI	. PRELIMIN	ARY WORKS:	
	e f 2. F s t z	e) uprooting stumps Ø10 - Ø20 cm: 13 pcs.) uprooting stumps Ø20 - Ø40 cm: 6 pcs. EARTH WORKS Bulk excavation and transport (including topsoil stripping and tockpiling, excavation of soil of low bearing capacity, opsoiling and grassing) Excavation in III and IV category soil with loading, transport	TOTAI	. PRELIMIN	ARY WORKS:	
	f 2. H s t - a	D uprooting stumps Ø20 - Ø40 cm: 6 pcs. EARTH WORKS Bulk excavation and transport (including topsoil stripping and tockpiling, excavation of soil of low bearing capacity, opsoiling and grassing) Excavation in III and IV category soil with loading, transport	ΤΟΤΑΙ	. PRELIMIN	ARY WORKS:	
	2. H s t a	EARTH WORKS Bulk excavation and transport (including topsoil stripping and tockpiling, excavation of soil of low bearing capacity, opsoiling and grassing) Excavation in III and IV category soil with loading, transport	TOTAI	. PRELIMIN	ARY WORKS:	
	2. H s t a	Bulk excavation and transport (including topsoil stripping and tockpiling, excavation of soil of low bearing capacity, opsoiling and grassing) Excavation in III and IV category soil with loading, transport				
	2. H s t a	Bulk excavation and transport (including topsoil stripping and tockpiling, excavation of soil of low bearing capacity, opsoiling and grassing) Excavation in III and IV category soil with loading, transport				
01.03.08.02.01. 3.	s t a	tockpiling, excavation of soil of low bearing capacity, opsoiling and grassing) Excavation in III and IV category soil with loading, transport				
	t - a	opsoiling and grassing) Excavation in III and IV category soil with loading, transport				
	- a	Excavation in \boldsymbol{III} and \boldsymbol{IV} category soil with loading, transport				
	a					
		ind unloading of material from the excavation of borrow pit				
	-	up to 60 m	m ³	81.00		
		a) topsoil stripping: 240 m ³				
		500 m - 1000 m	m ³	282.00		
		a) surplus topsoil: 199 m ³		-		
01.03.08.02.02. 3.		Subsoil finishing				
		-	m²	598.00		
01.03.08.02.03. 3.	4. 0	Construction of embankment (including topsoil stripping,				
	e	excavation of stepped side cuts, shoulder central part, leveling,				
	t	opsoiling and grassing of embankment slopes)				
			m ³	363.00		
	t	b) shoulder central part: 12 m ³				
		e) topsoiling of slopes: 10 m ²				
		l) topsoiling and grassing of shoulders: 194 m ²				
01.03.08.02.04. 3.	5. V	Wedges next to structures		11.00		
			m ³	41.00		
				TOTAL EA	RTH WORKS:	
01.03.08.03.		DRAINAGE AND DEWATERING				
01.03.08.03.01. 4.	3. I	Drainage channels				
	-	Excavation	m ³	26.00		
		TOTAL	DRAIN	AGE AND D	EWATERING:	
01.03.08.04.	S	SUB-BASES				
01.03.08.04.01. 6	.1 5	Sandy gravel materials - placing subgrade layer				
			m²	1,311.00		
01.03.08.04.02. 6	.2 F	Procurement and placing of 0/63 mm crushed stone as rolled				
		ub-base of pavement structure. Broken stone layer shall be				
	F	placed onto finished subgrade accepted by the Engineer. Stone				
	c	of this size shall meet requirements of SRPS U.E9.020.				
		• d=20 cm	m ²	645.00		
01.03.08.04.03	2 1	• d=20 cm Placing and rolling the sub-base of 0/31.5 mm crushed stone	m²	645.00		
01.03.08.04.03. 6		Placing and rolling the sub-base of 0/31.5 mm crushed stone	m²	645.00		
01.03.08.04.03. 6	c	Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be	m ²	645.00		
01.03.08.04.03. 6	c F	Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed	m²	645.00		
01.03.08.04.03. 6	c F	Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be	m²	645.00		
01.03.08.04.03. 6	c F	Placing and rolling the sub-base of $0/31.5$ mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm.				
01.03.08.04.03. 6	c F	Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed	m ²	540.00		
	c F g	 Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=15 cm 		540.00	L SUB-BASES:	
01.03.08.05.	c F g	 Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=15 cm 		540.00	L SUB-BASES:	
01.03.08.05.	.3.	Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=15 cm STRUCTURES, CULVERTS Small slab-top and pipe culverts		540.00	L SUB-BASES:	
01.03.08.05.	.3.	 Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=15 cm 	m²	540.00 TOTA	L SUB-BASES:	
01.03.08.05. 01.03.08.05.01.	.3. <u>5</u> .3.	Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=15 cm STRUCTURES, CULVERTS Small slab-top and pipe culverts Excavation		540.00	L SUB-BASES:	
01.03.08.05.	.3. 5 .3 - .3 -	Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=15 cm STRUCTURES, CULVERTS Small slab-top and pipe culverts Excavation Bed of sandy gravel materials, 20 cm thick - price includes	m²	540.00 TOTA	L SUB-BASES:	
01.03.08.05. 01.03.08.05.01.	.3. <u>5</u> .3 - .3 -	Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=15 cm STRUCTURES, CULVERTS Small slab-top and pipe culverts Excavation Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the	m² 	540.00 TOTA 20.00	L SUB-BASES:	
01.03.08.05. 11 01.03.08.05.01. 01.03.08.05.02. 11	.3. <u>5</u> .3. <u>-</u> .3 -	 Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be berformed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=15 cm • d=15 cm • STRUCTURES, CULVERTS • Small slab-top and pipe culverts Excavation Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the bipes. 	m²	540.00 TOTA	L SUB-BASES:	
01.03.08.05. 01.03.08.05.01.	.3. <u>5</u> .3. <u>-</u> .3 -	Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be performed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=15 cm STRUCTURES, CULVERTS Small slab-top and pipe culverts Excavation Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the	m ²	540.00 TOTA 20.00 4.00	L SUB-BASES:	
01.03.08.05. 11 01.03.08.05.01. 01.03.08.05.02. 11 01.03.08.05.03. 11	.3. .3 - .3 - .3 - .3 - .3 - .3 -	 Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be berformed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=15 cm • d=15 cm • STRUCTURES, CULVERTS • Small slab-top and pipe culverts • Excavation Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the bipes. Concrete work, MB 30 	m² 	540.00 TOTA 20.00	L SUB-BASES:	
01.03.08.05. 11 01.03.08.05.01. 01.03.08.05.02. 11	.3. 5 .3 - .3 - .3 - .3 - .3 - .3 - .3 - .3 -	 Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be berformed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=15 cm • d=15 cm • STRUCTURES, CULVERTS • Small slab-top and pipe culverts Excavation Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the bipes. Concrete work, MB 30 Prefabricated concrete pipe culverts: 	m ² m ³ m ³	540.00 TOTA 20.00 4.00 14.00	L SUB-BASES:	
01.03.08.05. 11 01.03.08.05.01. 11 01.03.08.05.02. 11 01.03.08.05.03. 11 01.03.08.05.03. 11 01.03.08.05.04. 11	.3. 5 .3. 5 .3 - .3 - .3 - .3 - .3 - .3 - .3 - .3 -	 Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be berformed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=15 cm STRUCTURES, CULVERTS Small slab-top and pipe culverts Excavation Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the bipes. Concrete work, MB 30 Prefabricated concrete pipe culverts:	m ²	540.00 TOTA 20.00 4.00	L SUB-BASES:	
01.03.08.05. 11 01.03.08.05.01. 01.03.08.05.02. 11 01.03.08.05.03. 11	.3. 5 .3. 5 .3 - .3 - .3 - .3 - .3 - .3 - .3 - .3 -	 Placing and rolling the sub-base of 0/31.5 mm crushed stone onto rolled subgrade accepted by the Engineer. Rolling shall be berformed until even surface is achieved according to designed gradients and crossfalls with tolerance of ± 1 cm. • d=15 cm • d=15 cm • STRUCTURES, CULVERTS • Small slab-top and pipe culverts Excavation Bed of sandy gravel materials, 20 cm thick - price includes procurement and placing of sandy gravel material under the bipes. Concrete work, MB 30 Prefabricated concrete pipe culverts: 	m ² m ³ m ³	540.00 TOTA 20.00 4.00 14.00	L SUB-BASES:	

01.03.08. SUMMARY - Detour of local road No. 6		
01.03.08.01. PRELIMINARY WORKS		
01.03.08.02. EARTH WORKS		
01.03.08.03. DRAINAGE AND DEWATERING		
01.03.08.04. SUB-BASES		
01.03.08.05. STRUCTURES, CULVERTS		
	TOTAL Detour of local road No. 6 (01.03.08.):	

01.03. SUMMARY - LOCAL ROADS		
01.03.05. DETOUR OF M1 ROAD		
01.03.06. DETOUR OF LOCAL ROAD NO. 4		
01.03.07. DETOUR OF LOCAL ROAD NO. 5		
01.03.08. DETOUR OF LOCAL ROAD NO. 6		
SUB-TOTAL		
Unforeseen work (5% of sub-total)		
	TOTAL LOCAL ROADS (01.03.):	

01.04. PIPE CULVERTS

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.04.01.		EARTH WORKS				
01.04.01.01.	3.5.	Wedges next to structures	m ³	3,319.00		
			-	TOTAL EA	RTH WORKS:	
01.04.02.		STRUCTURES, CULVERTS				
01.04.02.01.	11.3.	Small slab-top and pipe culverts				
01.04.02.02.	11.3	- Excavation in III and IV category soil for culverts				
		a) 30% hand excavation	m³	2,908.00		
		b) 70% mechanical excavation	m³	6,785.00		
		a) demolition of the existing pipes/structure:	m ³	222.00		
01.04.02.03.	11.3	- Bed of sandy gravel materials, 20 cm thick - price includes				
		procurement and placing of sandy gravel material under the				
		pipes.	m ³	267.00		
01.04.02.04.	11.3	- Concrete work, MB 30	m ³	983.00		
01.04.02.05.	11.3	Prefabricated concrete pipe culverts:	III	705.00		
		- Ø1000 mm	m'	30.50		
		- Ø1600 mm	m'	412.50		
		- Ø2000 mm	m'	77.00		
01.04.02.06.	11.3	- Waterproofing of top surfaces of pipe culverts with two paper				
		layers and three coats of bitumen solution over bituminized				
		paper. Payment per 1 m ² of unfolded area.				
			m²	3,004.00		
01.04.02.07.	11.3	- Construction of 20 cm thick paving made of broken stone				
		onto 10 cm thick sand layer with infill of 1:3 cement mortar				
		mix near culverts. Payment per 1 m ² of finished paving.				
			m²	103.00		
01.04.02.08.	11.3	- Procurement and fitting of metallic gratings on manholes				
			pcs.	3.00		
		TO	DTAL S	TRUCTURES	5, CULVERTS:	

01.04. SUMMARY - PIPE CULVERTS

01.04.01. EARTH WORKS

01.04.02. STRUCTURES, CULVERTS

SUB-TOTAL

Unforeseen work (5% of sub-total)

TOTAL PIPE CULVERTS (01.04.):

01. SUMMARY - CIVIL ENGINEERING DESIGN	
01.01. HIGHWAY ALIGNMENT	
01.02. "PREDEJANE" GRADE-SEPARATED JUNCTION	
01.03. LOCAL ROADS	
01.04. PIPE CULVERTS	
TOTAL CIVIL ENGINEERING DESIGN (01.):	

02.01. Stormwater sewage system

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
8.5.1/2.01.	4.4.1.	Mechanical and hand trench excavation in II and III				
		category soil for placing of sewers in the road structure.				
		<u>0-2 m</u>				
		mechanical excavation (90%)	m ³	2,525.16		
			2			
		hand excavation (10%)	m ³	280.57		
8.5.1/2.01.01	4.4.1.	-Procurament and laying of plastic half-perforated				
		drain pipes for subgrade and median drainage	1	1000 00		
0.5.1/0.01.00	110	-Ø110 mm	m^1	1822.00		
8.5.1/2.01.02	4.1.2.	Filling of drainage channels with filter material	m ³	011.00		
8.5.1/2.01.03	8.5.1/	Procurament and laying of rubber mat below the pave	m	911.00		
8.3.1/2.01.03	2.01.03	road	m^2	8746.00		
8.5.1/2.02.	4.4.6.	Procurement, transport, distribution along the trench	m	0740.00		
0.5.172.02.	1.1.0.	and assembly of sewer pipes in the trench.				
		Ø160 mm PVC SN8 (gully connections)	m^1	3.00		
8.5.1/2.03.	4.4.7.	Procurement, transport, distribution along the trench	111	3.00		
0.5.1/2.05.	4.4.7.	and assembly of sewer pipes in the trench.				
		Ø 300 mm PEHD SN8 class	m^1	1,608.74		
		Ø 500 mm FEHD SN8 class	III	1,000.74		
		Ø 400 mm PEHD SN8 class	m^1	257.44		
			m	237.44		
		Ø 500 mm PEHD SN8 class	m^1			
8.5.1/2.04.	4.4.4.	Construction of Ø 100cm round manholes by using				
		prefabricated elements of impervious reinforced				
		concrete MB 40.	m^1	118.19		
8.5.1/2.05.	4.4.4.	Placing of lean concrete under the drainage pipes				
			m ³	1,094.00		
8.5.1/2.06.		Cast iron covers				
	8.5.1/2.06.		pcs.	5		
8.5.1/2.07.		Cast iron rungs				
	8.5.1/2.07.		pcs.	473		
8.5.1/2.08.	0 5 1/2 00	Street gutters with grating		2		
0.5.1/0.00	8.5.1/2.08.	(XCO) must suttan susting	pcs.	3		
8.5.1/2.09.	8 5 1/2 00	Ø600 mm gutter grating	n .cc	82		
8 5 1/2 10	8.5.1/2.09. 8.5.1/2.10	Geodetic survey of stormwater sewage system	pcs.	82		
8.5.1/2.10.	8.5.1/2.10.	including report preparation.	m^1	1,866.2		
		mondang report preparation.		1,000.2	SUP TOTAL	
					<u>SUB-TOTAL</u>	
			Unfor	eseen work (5% of sub-total)	
		TOTAL STORMWAY	TER S	EWAGE SY	STEM (02.01.):	

		izna Morava River at km 881+002.79	T	0	II	T 4 1
Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
06.09.01.		PRELIMINARY WORKS				
06.09.01.01.	2.4.	For river bed regulation: clear ground from brushwood,				
		cut trees up to 10 cm thick and uproot stumps and				
		transport them to dump area specified by the Investor				
		and/or the Engineer. The price includes loading into				
		vehicles, transport to distance of 5 km, unloading and				
		leveling of dump area. Prior to commencement of works,				
		the Contractor in cooperation with the Engineer shall				
		measure quantities and make record into the book.				
		Payment per m ² of cleared area.		7 (11 00		
06.00.01.02		Contribution Decomposition of the second terms in	m²	7,644.00		
06.09.01.02.	2.2.	Geodetic surveying. Recovery of apex and traverse in				
		length of river regulated section prior to start of works.	1	182.00		
			m'	182.00		
		1	FOTA	L PRELIMI	NARY WORKS:	
06.09.02.		EARTH WORKS				
06.09.02.01.	3.1.	Stripping topsoil to depth of 25 cm with clearing weeds				
		and other plants. Topsoil shall be stockpiled at distance up				
		to 5 km. Payment per m ³ of transported material.				
			m³	360.25		
06.09.02.02.	11.7.1.	For new river bed regulation: mechanical excavation in				
		dry and moist earth of II and III category by dredgers or				
		other suitable machines with direct loading into vehicles.				
		Measurement includes excavation, loading, transport,				
		unloading and leveling of stockpiling area after				
		completion of works. Price includes any dewatering				
		operations during works. Excavation shall be performed to				
		accuracy of 10 cm in relation to designed levels.				
		Measurement will be made per cross sections surveyed				
		before and after excavation, transport included				
		(excavation table).				
			2	0.000.00		
		a) Work in naturally moist earth (70 %)	m³	2,836.66		
		b) Work in wet earth (30%)	m³	1,215.71		
06.09.02.03.	11.7.1.	For construction of supporting structure: mechanical		1,213.71		
00.09.02.05.	11.,.11	excavation in dry and moist earth of II and III category by				
		dredgers or other suitable machines with direct loading				
		into vehicles. Measurement includes excavation, loading,				
		transport, unloading and leveling of stockpiling area after				
		completion of works. Price includes any dewatering				
		operations during works. Excavation shall be performed to				
		accuracy of 10 cm in relation to designed levels.				
		Measurement will be made per cross sections surveyed				
		before and after excavation, transport included				
		(excavation table).				
		a) Work in naturally moist earth (70 %)	m³	30.84		
		b) Work in wet earth (30%)	m³	13.22		
06.09.02.04.	11.7.1.4.	Hand excavation in earth of II and III category for				
		supporting structures. Material shall be transported to				
		stockpiling area specified by the Engineer. Measurement				
		includes any dewatering operation during works. Payment				
		per m ³ of excavated earth.	m³	138.40		

06.09.02.05.		Additional excavation by hand including fine and rough				
		leasting of had African and had a second and the second				
		leveling of bed. After mechanical excavation bed bottom				
		and slopes shall be additionally excavated by hand.				
		Excavated material shall be transported to the stockpiling				
		area or used for embankment construction. Leveling shall				
		be performed to accuracy of 2 cm in relation to designed				
		levels. Price includes any dewatering operation during				
		works. Measurement per m ³ .				
		a) Work in naturally moist earth (70 %)	m³	407.94		
		b) Work in wet earth (30%)	m³	174.83		
06.09.02.06.	11.7.3.2.	Procurement and spreading of 15 cm thick sandy gravel				
		layer under the regulated bed. Payment per m ³ of spread				
		gravel.	m ³	408.40		
06.09.02.07.	11.7.2.2.	Filling of bank slopes prior to making stone revetment				
		according to cross sections from the design. Slopes shall				
		be filled with excavated material along with spreading and				
		leveling in 30 cm thick layers and mechanical compaction				
		to the required compactness. Payment per m ³ of filled				
		material.	m³	2,886.73		
		NOTE: Use excavated earth to fill ground and backfill the	111	2,000.75		
		old river bed.				
06.09.02.08.	3.4.1.5.4	Protection of slope section from the end point of stone				
001031021001		revetment to the existing ground by topsoiling and				
		grassing. Measurement per m ² of topsoiled and grassed				
		area.	m²	1,498.76		
06.09.02.09.	11.7.1.7.	All material remained from excavation not used for filling				
		shall be transported to the stockpiling area specified by				
		the Engineer. Price includes loading, transport, unloading				
		and rough spreading of material. Payment per m ³ of				
		transported material.	m ³	1,930.86		
				TOTAL E	ARTH WORKS:	
06.09.03.		STONE WORKS				
06.09.03.01.	11.7.3.4.	Formation of slope bases and slopes of regulated river bed				
		section by using d=30 cm hammer-dressed stone				
		embedded in 1:3 cement mortar. For formation of slope				
		bases (2.00x1.00 m) and river bed slopes use only high-				
		quality limestone so that front side edges are parallel.				
		Joints shall be filled with 1 : 2 cement mortar. Payment		020 51		
06.00.02.02		per m ³ of placed stone.	m³	938.51		
06.09.03.02.		Construction of supporting structures of d=30 cm stone				
		embedded in cement mortar according to the enclosed				
		design drawings. Payment per m ³ of placed stone.	m³	176.65		
		· · · · · · · · · · · · · · · · · · ·		1,0.05		

06.09.SUMMA	06.09.SUMMARY - REGULATION OF THE JUZNA MORAVA RIVER AT KM 881+002.79					
06.09.01.	PRELIMINARY WORKS					
06.09.02.	EARTH WORKS					
06.09.03.	STONE WORKS					
	TOTAL REGULATION OF THE JUZNA MORAVA RIVER AT KM 881+002.79 (06.09.):					

06.10. Regulation of the Juzna Morava River at km 881+763.53

	1	Izna Morava River at km 881+763.53	Unit	Quantity	Unit Duine	T_4-1
Item No. 06.10.01.	T.S.	Work Description PRELIMINARY WORKS	Unit	Quantity	Unit Price	Total
	2.4					
06.10.01.01.	2.4.	For river bed regulation: clear ground from brushwood,				
		cut trees up to 10 cm thick and uproot stumps and				
		transport them to dump area specified by the Investor				
		and/or the Engineer. The price includes loading into				
		vehicles, transport to distance of 5 km, unloading and				
		leveling of dump area. Prior to commencement of works,				
		the Contractor in cooperation with the Engineer shall				
		measure quantities and make record into the book.				
		Payment per m ² of cleared area.				
			m ²	23,940.00		
06.10.01.02.	2.2.	Geodetic surveying. Recovery of apex and traverse in				
		length of river regulated section prior to start of works.				
			m'	570.00		
		r	ГОТА	L PRELIMI	NARY WORKS:	
06.10.02.		EARTH WORKS				
06.10.02.01.	3.1.	Stripping topsoil to depth of 25 cm with clearing weeds				
		and other plants. Topsoil shall be stockpiled at distance up				
		to 5 km. Payment per m^3 of transported material.				
			m ³	1,200.00		
06.10.02.02.	11.7.1.	For new river bed regulation: mechanical excavation in				
		dry and moist earth of II and III category by dredgers or				
		other suitable machines with direct loading into vehicles.				
		Measurement includes excavation, loading, transport,				
		unloading and leveling of stockpiling area after				
		completion of works. Price includes any dewatering				
		operations during works. Excavation shall be performed to				
		accuracy of 10 cm in relation to designed levels.				
		Measurement will be made per cross sections surveyed				
		before and after excavation, transport included				
		(excavation table).				
		a) Work in naturally moist earth (70 %)	m ³	44,488.49		
				,		
		b) Work in wet earth (30%)	m ³	19,066.50		
06.10.02.03.	11.7.1.	For construction of supporting structure: mechanical				
		excavation in dry and moist earth of II and III category by				
		dredgers or other suitable machines with direct loading				
		into vehicles. Measurement includes excavation, loading,				
		transport, unloading and leveling of stockpiling area after				
		completion of works. Price includes any dewatering				
		operations during works. Excavation shall be performed to				
		accuracy of 10 cm in relation to designed levels.				
		Measurement will be made per cross sections surveyed				
		before and after excavation, transport included				
		(excavation table).				
		a) Work in naturally moist earth (70 %)	m³	651.66		
0 < 10 00 01		b) Work in wet earth (30%)	m ³	279.28		
06.10.02.04.	11.7.1.4.					
		supporting structures. Material shall be transported to				
		stockpiling area specified by the Engineer. Measurement				
		includes any dewatering operation during works. Payment				
	1	per m ³ of excavated earth.	m ³	311.40		

06.10.02.05.		Additional excavation by hand including fine and rough leveling of bed. After mechanical excavation bed bottom and slopes shall be additionally excavated by hand. Excavated material shall be transported to the stockpiling area or used for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. Price includes any dewatering operation during works.				
		and slopes shall be additionally excavated by hand. Excavated material shall be transported to the stockpiling area or used for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. Price includes any dewatering operation during				
		Excavated material shall be transported to the stockpiling area or used for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. Price includes any dewatering operation during				
		area or used for embankment construction. Leveling shall be performed to accuracy of 2 cm in relation to designed levels. Price includes any dewatering operation during				
		be performed to accuracy of 2 cm in relation to designed levels. Price includes any dewatering operation during				
		levels. Price includes any dewatering operation during				
		works. Measurement per m ³ .				
		a) Work in naturally moist earth (70 %)	m³	1,797.63		
		b) Work in wet earth (30%)	m³	770.41		
06.10.02.06.	11.7.3.2.	Procurement and spreading of 15 cm thick sandy gravel				
		layer under the regulated bed. Payment per m ³ of spread				
		gravel.	m³	1,831.81		
06.10.02.07.	11.7.2.2.	Filling of bank slopes prior to making stone revetment				
		according to cross sections from the design. Slopes shall				
		be filled with excavated material along with spreading and leveling in 30 cm thick layers and mechanical compaction				
		to the required compactness. Payment per m ³ of filled				
		material.				
			m³	6,611.66		
		NOTE: Use excavated earth to fill ground and backfill the				
		old river bed.				
06.10.02.08.		Protection of slope section from the end point of stone				
		revetment to the existing ground by topsoiling and				
		grassing. Measurement per m ² of topsoiled and grassed		2 1 0 2 5 0		
06.10.02.09.	11717	area.	m²	2,183.58		
06.10.02.09.		All material remained from excavation not used for filling shall be transported to the stockpiling area specified by				
		the Engineer. Price includes loading, transport, unloading				
		and rough spreading of material. Payment per m ³ of				
		transported material.	m³	60,753.72		
				TOTAL E	ARTH WORKS:	
06.10.03.		STONE WORKS				
06.10.03.01.		Formation of slope bases and slopes of regulated river bed				
		section by using d=30 cm hammer-dressed stone				
		embedded in 1:3 cement mortar. For formation of slope				
		bases (2.00x1.00 m) and river bed slopes use only high-				
		quality limestone so that front side edges are parallel.				
		Joints shall be filled with 1 : 2 cement mortar. Payment		5,348.05		
06.10.03.02.	11.7.3.5.	per m ³ of placed stone. Construction of supporting structures of d=30 cm stone	m³	3,348.05		
00.10.05.02.	11.7.3.3.	embedded in cement mortar according to the enclosed				
		design drawings. Payment per m ³ of placed stone.				
		acong in arawings. I ayment per in or placed stone.	m ³	471.33		
			-		FONE WORKS:	

06.10.SUMMA	06.10.SUMMARY - REGULATION OF THE JUZNA MORAVA RIVER AT KM 881+763.53					
06.10.01.	PRELIMINARY WORKS					
06.10.02.	EARTH WORKS					
06.10.03.	STONE WORKS					
	TOTAL REGULATION OF THE JUZNA MORAVA RIVER AT KM 881+763.53 (06.10.):					

		n brook at km 885+445.07		-		
Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
06.11.01.		PRELIMINARY WORKS				r
06.11.01.01.	2.4.	For river bed regulation: clear ground from brushwood,				
		cut trees up to 10 cm thick and uproot stumps and				
		transport them to dump area specified by the Investor				
		and/or the Engineer. The price includes loading into				
		vehicles, transport to distance of 5 km, unloading and				
		leveling of dump area. Prior to commencement of works,				
		the Contractor in cooperation with the Engineer shall				
		measure quantities and make record into the book.				
		Payment per m ² of cleared area.	m²	725.00		
06.11.01.02.	2.2.	Geodetic surveying. Recovery of apex and traverse in				
		length of river regulation prior to starting of works.				
			m'	73.00		
		,	ГОТАІ	L PRELIMI	NARY WORKS:	
06.11.02.		EARTH WORKS				
06.11.02.02.	11.7.1.	For new river bed regulation: mechanical excavation in				
00.11.02.02.	11./.1.	dry and moist earth of II and III category by dredgers or				
		other suitable machines with direct loading into vehicles.				
		Measurement includes excavation, loading, transport,				
		unloading and leveling of stockpiling area after				
		completion of works. Price includes any dewatering				
		operations during works. Excavation shall be performed to				
		accuracy of 10 cm in relation to designed levels.				
		Measurement will be made per cross sections surveyed				
		before and after excavation, transport included				
		(excavation table).				
		a) Work in naturally moist earth (70 %)	m ³	841.00		
				0.00.10		
0 < 11 02 02		b) Work in wet earth (30%)	m ³	360.43		
06.11.02.03.	11.7.1.	For construction of supporting structure: mechanical				
		excavation in dry and moist earth of II and III category by				
		dredgers or other suitable machines with direct loading				
		into vehicles. Measurement includes excavation, loading,				
		transport, unloading and leveling of stockpiling area after				
		completion of works. Price includes any dewatering operations during works. Excavation shall be performed to				
		accuracy of 10 cm in relation to designed levels.				
		Measurement will be made per cross sections surveyed				
		before and after excavation, transport included				
		(excavation table).				
		a) Work in naturally moist earth (70 %)	m ³	76.66		
		b) Work in wet earth (30%)	m ³	32.86		
06.11.02.04.	11.7.1.4.	Hand excavation in earth of II and III category for				
		supporting structures. Material shall be transported to				
		stockpiling area specified by the Engineer. Measurement				
		includes any dewatering operation during works. Payment	m ³	27 20		
06.11.02.05.	11714	per m ³ of excavated earth. Additional excavation by hand including fine and rough	m ³	27.38		
06.11.02.05.	11./.1.4.	leveling of bed. After mechanical excavation bed bottom				
		and slopes shall be additionally excavated by hand.				
		Excavated material shall be transported to the stockpiling				
		area or used for embankment construction. Leveling shall				
		be performed to accuracy of 2 cm in relation to designed				
		levels. Price includes any dewatering operation during				
		works. Measurement per m^3 .				
		a) Work in naturally moist earth (70 %)	m³	210.25		
		b) Work in wet earth (30%)	m ³	90.11		
06.11.02.06.	11.7.3.2.	Procurement and spreading of 15 cm thick sandy gravel				
		layer under the regulated bed. Payment per m ³ of spread		<i>10</i>		
		gravel.	m ³	69.57		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
06.11.02.07.	11.7.2.2.	Filling of bank slopes prior to making stone revetment				
		according to cross sections from the design. Slopes shall				
		be filled with excavated material along with spreading and				
		leveling in 30 cm thick layers and mechanical compaction				
		to the required compactness. Payment per m3 of filled				
		material.				
			m³	189.78		
		NOTE: Use excavated earth to fill ground and backfill the				
		old river bed.				
06.11.02.08.	3.4.1.5.4.	Protection of slope section from the end point of stone				
		revetment to the existing ground by topsoiling and				
		grassing. Measurement per m ² of topsoiled and grassed				
		area.	m²	99.89		
06.11.02.09.	11.7.1.7.	All material remained from excavation not used for filling				
		shall be transported to the stockpiling area specified by				
		the Engineer. Price includes loading, transport, unloading				
		and rough spreading of material. Payment per m ³ of				
		transported material.	m ³	1,448.90		
				TOTAL E	ARTH WORKS:	
06.11.03.		STONE WORKS				
06.11.03.01.	11.7.3.4.	Lining of regulated river bed section by using d=30 cm				
		hammer-dressed stone embedded in 1:3 cement mortar.				
		For formation of slope bases (2.00x1.00 m) and river bed				
		slopes use only high-quality limestone so that front side				
		edges are parallel. Joints shall be filled with 1:2 cement				
		mortar. Payment per m ³ of placed stone.				
			m ³	179.26		
06.11.03.02.	11.7.3.5.	Construction of supporting structures of d=30 cm stone				
		embedded in cement mortar according to the enclosed				
		design drawings. Payment per m ³ of placed stone.				
			m ³	58.59		
06.11.03.03	11.7.3.3.	Rip-rap over the existing river bed, upstream (1=5.0+5.0				
		m) from the regulated bed. Payment per m ³ of placed				
		stone.	m ³	10.00		
				TOTAL S	TONE WORKS:	

06.11.SUMMARY - PREGULATION OF CARICIN BROOK AT KM 885+445.07					
06.11.01. PRELIMINARY WORKS					
06.11.02. EARTH WORKS					
06.11.03. STONE WORKS					
TOTAL REGULATION OF CARICIN BROOK AT KM 885+445.07 (06.11.):					

06. REGULATION OF WATER STREAMS - SUMMARY					
06.09. REGULATION OF THE JUZNA MORAVA RIVER AT km 881+002.79					
06.10. REGULATION OF THE JUZNA MORAVA RIVER AT km 881+763.53					
06.11. REGULATION OF CARICIN BROOK AT km 885+445.07					
SUB-TOTAL					
Unforeseen work (5% of sub-total)					
TOTAL REGULATION OF WATER STREAMS (06.):					

07.16. Supporting structure of reinforced earth 16 leftwards,

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.16.06.		PRELIMINARY WORKS				
07.16.06.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	um	
		Т	OTAL	PRELIMIN	ARY WORKS:	
07.16.07.	T	EARTH WORKS				
07.16.07.01.	3.1.1.	Topsoil stripping		ſ		
		This item includes stripping of 20 cm thick topsoil layer				
		and stockpiling of material on the site.				
		Measurement unit is m2.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m ²			
07.16.07.02.	11.1.1	Excavation of earth				
		Price includes excavation of II and III category				
		earth, loading and transport of surplus material to				
		stockpiling area specified by the Engineer.				
		Measurement unit is m3. Measurement is made in the				
		LOT 2 Civil engineering design.	m ³			
07.16.07.03.	07.16.07.03	Construction of embankment				
		This item includes construction of earth embankment with				
		min. 30% of 0-125 mm stone fractions.				
		Measurement unit is m3.	m ³	21,852.94		
	<u>I</u>		m		DTH WODKS.	
		CONCRETE WORK?		IUIAL EA	RTH WORKS:	
07.16.08.		CONCRETE WORKS				
07.16.08.01.	11.1.2	Construction of foundation with MB20 plain concrete				
		This item includes procurement, transport of necessary				
		material, work on concrete mixing and placing, quality				
		proof and other related works.				
		Measurement unit is m3	m ³	14.47		
07.16.08.02.	11.1.2	Construction of top section of retaining wall		T		
		This item includes concreting of top section of retaining				
		wall with MB 30 concrete, fully in accordance with				
		designed detail.				
		Measurement unit is m3.	m ³	6.43		
			тот	AL CONCR	ETE WORKS:	
07.16.09.	1	REINFORCEMENT WORKS				
07.16.09.01.	11.1.3	RA 400/500-2 ribbed bars				
07.10.09.01.	11.1.5	Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		an necessary material metuding an related works.				
		Measurement unit is kg	ko	377 72		
		Measurement unit is kg	kg	377.72	ENT WODKS.	
		TOTA	Ū		ENT WORKS:	
07.16.10.	07.16.10.01	TOTA WORKS WITH GEOSYNTHETIC MATERIALS	Ū		ENT WORKS:	
	07.16.10.01.	TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids	Ū		ENT WORKS:	
	07.16.10.01.	TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of	Ū		ENT WORKS:	
	07.16.10.01.	TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed.	Ū		ENT WORKS:	
	07.16.10.01.	TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2	AL RE	INFORCEM	ENT WORKS:	
	07.16.10.01.	TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed.	Ū		ENT WORKS:	
	07.16.10.01.	TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m	m ²	2,040.00	ENT WORKS:	
07.16.10.01.		TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m	AL RE	INFORCEM	ENT WORKS:	
07.16.10. 07.16.10.01. 07.16.10.02.		TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors	m ²	2,040.00	ENT WORKS:	
07.16.10.01.		TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of	m ²	2,040.00	ENT WORKS:	
07.16.10.01.		TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete	m ²	2,040.00	ENT WORKS:	
07.16.10.01.		TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks.	m ²	2,040.00 2,735.00	ENT WORKS:	
07.16.10.01.		TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks. Measurement unit is m`	m ² m ² m ²	2,040.00 2,735.00 1,299.00		
07.16.10.01.		TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks.	m ² m ² m ²	2,040.00 2,735.00 1,299.00		
07.16.10.01.		TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks. Measurement unit is m`	m ² m ² m ²	2,040.00 2,735.00 1,299.00		
07.16.10.01. 07.16.10.02. 07.16.11.		TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks. Measurement unit is m` TOTAL WORKS WITH 0	m ² m ² m ²	2,040.00 2,735.00 1,299.00		
07.16.10.01. 07.16.10.02. 07.16.11.	07.16.10.02.	TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks. Measurement unit is m` TOTAL WORKS WITH MASONRY WORKS Building wall face of concrete blocks This item includes procurement, transport and building	m ² m ² m ²	2,040.00 2,735.00 1,299.00		
07.16.10.01. 07.16.10.02. 07.16.11.	07.16.10.02.	TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks. Measurement unit is m` TOTAL WORKS WITH MASONRY WORKS Building wall face of concrete blocks	m ² m ² m ²	2,040.00 2,735.00 1,299.00		
07.16.10.01. 07.16.10.02.	07.16.10.02.	TOTA WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks. Measurement unit is m` TOTAL WORKS WITH MASONRY WORKS Building wall face of concrete blocks This item includes procurement, transport and building	m ² m ² m ²	2,040.00 2,735.00 1,299.00		
07.16.10.01. 07.16.10.02. 07.16.11.	07.16.10.02.	TOTAL WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks. Measurement unit is m` TOTAL WORKS WITH O MASONRY WORKS Building wall face of concrete blocks This item includes procurement, transport and building wall face of concrete blocks MB30, V4, M150, 40x 15x22	m ² m ² m ²	2,040.00 2,735.00 1,299.00		

07.16. SUMMARY Supporting structure of reinforced earth 16 -leftwards, from km 881+332,32to km 881+450, L=114,81m	
07.16.06. PRELIMINARY WORKS	
07.16.07. EARTH WORKS	
07.16.08. CONCRETE WORKS	
07.16.09. REINFORCEMENT WORKS	
07.16.10. WORKS WITH GEOSYNTHETIC MATERIALS	
07.16.11. MASONRY WORKS	
TOTAL Supporting structure of reinforced earth 16 -leftwards, from km 881+332,32 to km 881+450, L=114,81m(07.16.):	

07.17. Retaining wall 17 in the central reserve from km 882+203 to km 882+675 L=472.71 m

-		2+203 to km 882+675 L=472,71 m			<u>_</u>	
Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.17.01.		PRELIMINARY WORKS				
07.17.01.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	um	
		Г	OTAL	PRELIMIN	ARY WORKS:	
07.17.02.		EARTH WORKS				
07.17.02.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer				
		and stockpiling of material on the site.				
		Measurement unit is m2.				
		Measurement is made in the LOT 2 Civil engineering	2			
05 15 00 00		design. Excavation of earth for walls	m ²			
07.17.02.02.	11.1.1	Price includes excavation of III and IV category				
		earth, loading and transport of surplus material to				
		stockpiling area specified by the Engineer.				
		Measurement unit is m3.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m ³			
				TOTAL EA	RTH WORKS:	
07.17.03.		CONCRETE WORKS				
07.17.03.01.	11.1.2	Construction of concrete cap				
0/11/1001011		Price includes construction of reinforced concrete cap ring				
		by ring, fully in accordance with designed details.				
		Measurement unit is m3	m ³	184.36		
07.17.03.02.	11.1.2	Construction of concrete wall foundation				
		This item includes concreting of wall foundation with MB				
		30 plain concrete, d=50 cm.				
		Measurement unit is m3.	m ³	366.35		
			тот	TAL CONCR	ETE WORKS:	
07.17.04.		MASONRY WORKS				
07.17.04.01.	07.17.04.01.	Construction of stone wall				
		Price includes construction of stone wall of 20-40 cm				
		fractions in cement mortar, fully in accordance with				
		designed details.				
		Measurement unit is m3.	m ³	2,736.99		
			то	TAL MASO	NRY WORKS:	
07.17.05.		REINFORCEMENT WORKS				
07.17.05.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		Measurement unit is kg.	kg	8,944.32		
		TOT	AL RE	INFORCEM	ENT WORKS:	
07.17.06.		SUNDRIES				
07.17.06.01.	11.1	Plastic pipes f100 mm for weepholes				
		Price includes procurement and laying of $\phi 100 \text{ mm}$ plastic				
		pipes for weepholes including all related works.				
		Measurement unit is m`.	m	228.00		
				ΤΟΤΑ	L SUNDRIES:	

07.17. SUMMARY Retaining wall 17-in the central reserve from km 882+203 to km 882+675, L=472m	
07.17.01. PRELIMINARY WORKS	
07.17.02. EARTH WORKS	
07.17.03. CONCRETE WORKS	
07.17.04. MASONRY WORKS	
07.17.05. REINFORCEMENT WORKS	
07.17.06. SUNDRIES	
TOTAL Retaining wall 17-in the central reserve from km 882+203 to km 882+675, L=472,71m(07.17.):	

 Image: 101112 Relating water 17 in the centratives

 07.18.
 Supporting structure of reinforced earth 18 leftwards, from km 882+320 to km 882+480 L=160 m

_		+320 to km 882+480 L=160 m		0		
Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.18.06.		PRELIMINARY WORKS	1			
07.18.06.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	um	
		Г	OTAL	PRELIMIN	ARY WORKS:	
07.18.07.	I	EARTH WORKS				
07.18.07.01.	3.1.1.	Topsoil stripping		I		
07.10.07.01.	5.1.1.	This item includes stripping of 20 cm thick topsoil layer				
		and stockpiling of material on the site.				
		Measurement unit is m2.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m ²			
07.18.07.02.	11.1.1	Excavation of earth	m			
07.10.07.02.	11.1.1	Price includes excavation of II and III category				
		earth, loading and transport of surplus material to				
		stockpiling area specified by the Engineer.				
		Measurement unit is m3.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m ³			
07.18.07.03.		Construction of embankment				
07.10.07.05.		This item includes construction of earth embankment with				
		min. 30% of 0-125 mm stone fractions.				
		Measurement unit is m3.	m ³	4.486.17		
			111	,		
				TOTAL EA	RTH WORKS:	
07.18.08.		CONCRETE WORKS				
07.18.08.01.	11.1.2	Construction of foundation with MB20 plain concrete				
		This item includes procurement, transport of necessary				
		material, work on concrete mixing and placing, quality				
		proof and other related works.				
		Measurement unit is m3	m ³	20.16		
07.18.08.02.	11.1.2	Construction of top section of retaining wall				
		This item includes concreting of top section of retaining				
		wall with MB 30 concrete, fully in accordance with				
		designed detail.				
		Measurement unit is m3.	m ³	8.96		
			тот	AL CONCR	ETE WORKS:	
07 10 00	1		101	in concer		
07.18.09.	11.1.2	REINFORCEMENT WORKS			<u> </u>	
07.18.09.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		Measurement unit is kg	kg	526.40		
	1				ENT WORKS:	
07.18.10.		WORKS WITH GEOSYNTHETIC MATERIALS				
07.18.10.01.	07 18 10 01	Placing of geogrids				
07.10.10.01.	07.10.10.01.	This item includes procurement, cutting and placing of				
		geogrids as designed.				
		Measurement unit is m2				
		a) geogrid M1 with Tdop= 8,21KN/m	m ²	1666.00		
			m ⁻	4,666.00		
			m ²	E (11.00		
07 10 10 02	07 10 10 07	a) geogrid M2 with Tdop= 18,14KN/m	m~	5,611.00		
07.18.10.02.	07.18.10.02.	Procurement and installation of connectors				
		This item includes procurement and installation of				
		polyethylene connectors to connect geogrids and concrete				
		blocks.		a (aa		
		Measurement unit is m`	m`	2,423.00		
		TOTAL WORKS WITH	GEOSY	NTHETIC	MATERIALS :	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.18.11.		MASONRY WORKS				
07.18.11.01.	8.3.6	Building wall face of concrete blocks				
		This item includes procurement, transport and building				
		wall face of concrete blocks MB30, V4, M150, 40x 15x22				
		in size.				
		Measurement unit is piece.	pcs	14,602.00		
			то	TAL MASC	ONRY WORKS:	

07.18. SUMMARY Supporting structure of reinforced earth 18 -leftwards, from km 882+320 to km 882+480, L=160m	
07.18.06. PRELIMINARY WORKS	
07.18.07. EARTH WORKS	
07.18.08. CONCRETE WORKS	
07.18.09. REINFORCEMENT WORKS	
07.18.10. WORKS WITH GEOSYNTHETIC MATERIALS	
07.18.11. MASONRY WORKS	
TOTAL Supporting structure of reinforced earth 18 -leftwards, from km 882+320 to km 882+480, L=160m(07.18.):	

07.19. Retaining wall 19 leftwards, from km 883+250 to km 883+515 L=267 m

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.19.01.		PRELIMINARY WORKS				
07.19.01.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s		
		Т	OTAL	PRELIMIN	ARY WORKS:	
07.19.02.		EARTH WORKS				
07.19.02.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer				
		and stockpiling of material on the site.				
		Measurement unit is m2.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m ²			
07.19.02.02.	11.1.1	Excavation of earth for walls				
		Price includes excavation of III and IV category				
		earth, loading and transport of surplus material to				
		stockpiling area specified by the Engineer.				
		Measurement unit is m3.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m ³			
07.19.02.03.	3.4.1.4	Filling and compaction				
		Price includes the following machine operations: filling and				
		spreading, fine and rough leveling, wetting and compaction				
		of locally excavated material.				
		or rocarly excuvated material.				
		Measurement unit is m3.	m ³	1,110.72		
07.19.02.04.	3.4.1.1	Embankment slope topsoiling	111	1,110.72		
07.19.02.04.	5.4.1.1	This item includes embankment topsoiling above the filter				
		filling in 15 cm thick layer. Measurement unit is m2.	2			
		Measurement unit is in2.	m^2	507.30		
				TOTAL EA	RTH WORKS:	
07.19.03.		CONCRETE WORKS				
07.19.03.01.	11.1.2	Construction of retaining walls				
		Price includes concreting of retaining walls ring by ring				
		with MB30, V4, M150 reinforced concrete, fully in				
		accordance with designed details.				
		Measurement unit is m3	m ³	1,957.11		
07.19.03.02.	11.1.2	Construction of concrete cap on the wall		, · ·		
		This item includes construction of cap of MB 30 plain				
		concrete, fully in accordance with designed detail.				
		concrete, rung in accordance with designed deam				
		Measurement unit is m3.	m ³	72.00		
				72.09	ETE WORKS	
0= 10.04			101	AL CONCR	ETE WORKS:	
07.19.04.		REINFORCEMENT WORKS				
07.19.04.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		Measurement unit is kg.	kg	64,694.39		
		тот	AL RE	INFORCEM	ENT WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.19.05.		SUNDRIES				
07.19.05.01.	11.1.4	Placing of drainage filter				
		This item includes placing of gravel filter behind the wall including procurement and transport,fully as designed.				
		Measurement unit is m3.	m ³	568.71		
07.19.05.02.	11.1	Plastic pipes f100 mm for weepholes Price includes procurement and laying of ϕ 100 mm plastic pipes for weepholes including all related works.				
		Measurement unit is m`.	m	107.00		
				TOTA	L SUNDRIES:	

07.19. SUMMARY Retaining wall 19-leftwards, from km 883+250 to km 883+515,L=267m	
07.19.01. PRELIMINARY WORKS	
07.19.02. EARTH WORKS	
07.19.03. CONCRETE WORKS	
07.19.04. REINFORCEMENT WORKS	
07.19.05. SUNDRIES	
TOTAL Retaining wall 19-leftwards, from km 883+250 to km 883+515,L=267m (07.19.):	

07.20. Supporting structure of reinforced earth 20

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.20.06.		PRELIMINARY WORKS			•	
07.20.06.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	um	
•			OTAL		ARY WORKS:	
07.20.07.		EARTH WORKS	01111			
07.20.07.01.	3.1.1.	Topsoil stripping	1 1	I		
07.20.07.01.	5.1.1.	This item includes stripping of 20 cm thick topsoil layer				
		and stockpiling of material on the site.				
		Measurement unit is m2.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m^2			
07.20.07.02.	11.1.1	Excavation of earth				
		Price includes excavation of II and III category				
		earth, loading and transport of surplus material to				
		stockpiling area specified by the Engineer.				
		Measurement unit is m3.				
		Measurement is made in the LOT 2 Civil engineering				
		design	m ³			
				TOTAL EA	RTH WORKS:	
07.20.08.		CONCRETE WORKS				
07.20.08.01.	11.1.2	Construction of foundation with MB20 plain concrete				
		_				
		This item includes procurement, transport of necessary				
		material, work on concrete mixing and placing, quality				
		proof and other related works.				
		Measurement unit is m3	m ³	12.93		
07.20.08.02.	11.1.2	Construction of top section of retaining wall				
		This item includes concreting of top section of retaining				
		wall with MB 30 concrete, fully in accordance with				
		designed detail.				
		Measurement unit is m3.	m ³	37.96		
			тот	AL CONCR	ETE WORKS:	
07.20.09.		REINFORCEMENT WORKS				
07.20.09.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		Measurement unit is m3	m ³	350.00		
		ТОТ	AL RE	INFORCEM	ENT WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.20.10.		WORKS WITH GEOSYNTHETIC MATERIALS				
07.20.10.01.	07.20.10.01.	Placing of geogrids				
		This item includes procurement, cutting and placing of				
		geogrids as designed.				
		Measurement unit is m2				
		a) geogrid M1 with Tdop= 8,21KN/m	m ²	1,295.00		
		a) geogrid M2 with Tdop= 18,14KN/m	m ²	1,750.00		
07.20.10.02.	07.20.10.02.	Procurement and installation of connectors				
		This item includes procurement and installation of				
		polyethylene connectors to connect geogrids and concrete				
		blocks.				
		Measurement unit is m`	m`	1,015.00		
		TOTAL WORKS WITH	I GEOS	SYNTHETIC	C MATERIALS	
07.20.11.		MASONRY WORKS				
07.20.11.01.	8.3.6	Building wall face of concrete blocks				
		This item includes procurement, transport and building				
		wall face of concrete blocks MB30, V4, M150, 40x 15x22				
		in size.				
		Measurement unit is piece`.	pcs	6,325.00		
			то	TAL MASO	NRY WORKS:	

07.20.06.	PRELIMINARY WORKS	
07.20.07.	EARTH WORKS	
07.20.08.	CONCRETE WORKS	
07.20.09.	REINFORCEMENT WORKS	
07.20.10.	WORKS WITH GEOSYNTHETIC MATERIALS	
07.20.11.	MASONRY WORKS	
<u>TOTA</u>	L Supporting structure of reinforced earth 20 -in the central reserve, from km 883+582,42 to km 883+685,14, L=102.60m(07.20.):	

07.21. Supporting structure of reinforced earth 21 rightwarts,

	from km 883	+591,72 to km 883+810 L=220 m				
Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.21.06.		PRELIMINARY WORKS				
07.21.06.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	sum	
		Т	OTAL	PRELIMIN	ARY WORKS:	
07.18.07.		EARTH WORKS				
07.21.07.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer				
		and stockpiling of material on the site.				
		Measurement unit is m2.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m ²			
07.21.07.02.	11.1.1	Excavation of earth				
		Price includes excavation of II and III category				
		earth, loading and transport of surplus material to				
		stockpiling area specified by the Engineer.				
		Measurement unit is m3.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m ³			
07.21.07.03.	07.21.07.03.	Construction of embankment				
		This item includes construction of earth embankment with				
		min. 30% of 0-125 mm stone fractions.				
		Measurement unit is m3.	m ³	26,850.00		
				TOTAL EA	RTH WORKS:	
07.21.08.		CONCRETE WORKS				
07.21.08.01.	11.1.2	Construction of foundation with MB20 plain concrete				
		This item includes procurement, transport of necessary				
		material, work on concrete mixing and placing, quality				
		proof and other related works.				
		Measurement unit is m3	m ³	27.72		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.21.08.02.	11.1.2	Construction of top section of retaining wall	e liit	Quantity	Chit Frice	10001
		This item includes concreting of top section of retaining				
		wall with MB 30 concrete, fully in accordance with				
		designed detail. Measurement unit is m3.	3	10.00		
		Weasurement unit is ins.	m ³	13.20		
	1		TO	TAL CONCE	RETE WORKS:	
07.21.09.	11.1.2	REINFORCEMENT WORKS RA 400/500-2 ribbed bars	1	1		
07.21.09.01.	11.1.3	Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		Measurement unit is kg	kg	760.00		
		ТОТ	AL RE	INFORCEM	IENT WORKS:	
07.21.10.		WORKS WITH GEOSYNTHETIC MATERIALS				
07.21.10.01.	07.21.10.01.	Placing of geogrids				
		This item includes procurement, cutting and placing of geogrids as designed.				
		Measurement unit is m2				
		a) geogrid M1 with Tdop= 8,21KN/m	m ²	6,480.00		
07.01.10.02	07.01.10.05	a) geogrid M2 with Tdop= 18,14KN/m	m ²	7,840.00		
07.21.10.02.	07.21.10.02.	Procurement and installation of connectors This item includes procurement and installation of				
		polyethylene connectors to connect geogrids and concrete				
		blocks.				
		Measurement unit is m`	m`	3,300.00		
				TOTA	AL SUNDRIES:	
07.21.11.		MASONRY WORKS				
07.21.11.01.	8.3.6	Building wall face of concrete blocks				
		This item includes procurement, transport and building wall face of concrete blocks MB30, V4, M150, 40x 15x22				
		in size.				
		Measurement unit is piece.	pcs	18,270.00		
			pes	10,270.00		
	•				NRY WORKS:	
07 21 SUMMA	DV Sumortino	· · ·	то	TAL MASO		
		structure of reinforced earth 21 -rightwarts, from km 883	то	TAL MASO		
07.21. SUMMA 07.21.06.	RY Supporting PRELIMINA	structure of reinforced earth 21 -rightwarts, from km 883	то	TAL MASO		
		structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS	то	TAL MASO		
07.21.06.	PRELIMINA	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS	то	TAL MASO		
07.21.06. 07.21.07. 07.21.08.	PRELIMINA EARTH WOI CONCRETE	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS	то	TAL MASO		
07.21.06. 07.21.07. 07.21.08. 07.21.09.	PRELIMINA EARTH WOI CONCRETE REINFORCE	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS	то	TAL MASO		
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10.	PRELIMINA EARTH WOO CONCRETE REINFORCE WORKS WIT	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS	то	TAL MASO		
07.21.06. 07.21.07. 07.21.08. 07.21.09.	PRELIMINA EARTH WOI CONCRETE REINFORCE	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS	то	TAL MASO		
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11.	PRELIMINA EARTH WOO CONCRETE REINFORCE WORKS WIT MASONRY	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS	TO +591,72	2 <i>to km</i> 883+4	810, L=220m	
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11.	PRELIMINA EARTH WOO CONCRETE REINFORCE WORKS WIT MASONRY	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS	TO +591,72	YTAL MASO	810, L=220m	
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. <u>TOTAL Su</u>	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS ure of reinforced earth 21 -rightwarts, from km 883+591, re made of walls and piles - 22 leftwards, stone walls- fro	TO +591,72 72 to ki	vTAL MASO 2 to km 883+4 n 883+810, 1	810, L=220m	
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. TOTAL Su 07.22. Support	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY pporting structure and from kn	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS <i>ture of reinforced earth 21 -rightwarts, from km 883+591,</i> re made of walls and piles - 22 leftwards, stone walls- fro n 883+868,74 to km 883+896,59 L=95,21+28,55 =123,76	TO +591,72 72 to ki	VTAL MASO 2 <i>to km 883+4</i> n 883+810, 1 883+630 to k	810, L=220m 810, L=220m 2=220m(07.21.): m 883+725	Total
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. TOTAL Su 07.22. Support Item No.	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS ture of reinforced earth 21 -rightwarts, from km 883+591, re made of walls and piles - 22 leftwards, stone walls- fro n 883+868,74 to km 883+896,59 L=95,21+28,55 =123,76 Work Description	TO +591,72 72 to ki	vTAL MASO 2 to km 883+4 n 883+810, 1	810, L=220m	Total
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. TOTAL Su 07.22. Support	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY pporting structure and from kn	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS <i>ture of reinforced earth 21 -rightwarts, from km 883+591,</i> re made of walls and piles - 22 leftwards, stone walls- fro n 883+868,74 to km 883+896,59 L=95,21+28,55 =123,76	TO +591,72 72 to ki	VTAL MASO 2 <i>to km 883+4</i> n 883+810, 1 883+630 to k	810, L=220m 810, L=220m 2=220m(07.21.): m 883+725	Total
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. TOTAL Su 07.22. Support Item No. 07.22.01.	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY pporting structure and from kn T.S.	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS ture of reinforced earth 21 -rightwarts, from km 883+591, re made of walls and piles - 22 leftwards, stone walls- fro n 883+868,74 to km 883+896,59 L=95,21+28,55 =123,76 Work Description PRELIMINARY WORKS	TO +591,72 72 to ki	VTAL MASO 2 <i>to km 883+4</i> n 883+810, 1 883+630 to k	810, L=220m 810, L=220m 2=220m(07.21.): m 883+725 Unit Price	Total
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. TOTAL Su 07.22. Support Item No. 07.22.01.	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY pporting structure and from kn T.S.	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS ure of reinforced earth 21 -rightwarts, from km 883+591, re made of walls and piles - 22 leftwards, stone walls- fro n 883+868,74 to km 883+896,59 L=95,21+28,55 =123,76 Work Description PRELIMINARY WORKS PRELIMINARY WORKS Works shall be paid in a lump sum.	TO +591,72 72 to kn m km % m Unit	VTAL MASO 2 to km 883+4 m 883+810, 1 883+630 to k Quantity lump s	810, L=220m 810, L=220m 2=220m(07.21.): m 883+725 Unit Price	Total
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. TOTAL Su 07.22. Support Item No. 07.22.01.	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY pporting structure and from kn T.S.	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS ure of reinforced earth 21 -rightwarts, from km 883+591, re made of walls and piles - 22 leftwards, stone walls- fro n 883+868,74 to km 883+896,59 L=95,21+28,55 =123,76 Work Description PRELIMINARY WORKS PRELIMINARY WORKS Works shall be paid in a lump sum.	TO +591,72 72 to kn m km % m Unit	VTAL MASO 2 to km 883+4 m 883+810, 1 883+630 to k Quantity lump s	810, L=220m 810, L=220m .=220m(07.21.): m 883+725 Unit Price	Total
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. TOTAL Su 07.22. Support Item No. 07.22.01. 07.22.01.01.	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY pporting structure and from kn T.S.	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS workS ure of reinforced earth 21 -rightwarts, from km 883+591, re made of walls and piles - 22 leftwards, stone walls- from n 883+868,74 to km 883+896,59 L=95,21+28,55 =123,76 Work Description PRELIMINARY WORKS PRELIMINARY WORKS Works shall be paid in a lump sum. T EARTH WORKS Topsoil stripping	TO +591,72 72 to kn m km % m Unit	VTAL MASO 2 to km 883+4 m 883+810, 1 883+630 to k Quantity lump s	810, L=220m 810, L=220m .=220m(07.21.): m 883+725 Unit Price	Total
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. TOTAL Su 07.22. Support Item No. 07.22.01. 07.22.01.01.	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY pporting structur and from kn T.S. 2.4.1	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS works ure of reinforced earth 21 -rightwarts, from km 883+591, re made of walls and piles - 22 leftwards, stone walls- from n 883+868,74 to km 883+896,59 L=95,21+28,55 =123,76 Work Description PRELIMINARY WORKS PRELIMINARY WORKS Works shall be paid in a lump sum. T EARTH WORKS Topsoil stripping This item includes stripping of 20 cm thick topsoil layer	TO +591,72 72 to kn m km % m Unit	VTAL MASO 2 to km 883+4 m 883+810, 1 883+630 to k Quantity lump s	810, L=220m 810, L=220m .=220m(07.21.): m 883+725 Unit Price	Total
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. TOTAL Su 07.22. Support Item No. 07.22.01. 07.22.01.01.	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY pporting structur and from kn T.S. 2.4.1	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS works ure of reinforced earth 21 -rightwarts, from km 883+591, re made of walls and piles - 22 leftwards, stone walls- from n 883+868,74 to km 883+896,59 L=95,21+28,55 =123,76 Work Description PRELIMINARY WORKS PRELIMINARY WORKS Works shall be paid in a lump sum. T EARTH WORKS Topsoil stripping This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site.	TO +591,72	VTAL MASO 2 to km 883+4 m 883+810, 1 883+630 to k Quantity lump s	810, L=220m 810, L=220m .=220m(07.21.): m 883+725 Unit Price	Total
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. TOTAL Su 07.22. Support Item No. 07.22.01. 07.22.01.01.	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY pporting structur and from kn T.S. 2.4.1	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS ure of reinforced earth 21 -rightwarts, from km 883+591, re made of walls and piles - 22 leftwards, stone walls- from n 883+868,74 to km 883+896,59 L=95,21+28,55 =123,76 Work Description PRELIMINARY WORKS PRELIMINARY WORKS Works shall be paid in a lump sum. T EARTH WORKS Topsoil stripping This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site. Measurement unit is m2. Measurement is made in the LOT	TO +591,72 72 to kn m km 8 m Unit	VTAL MASO 2 to km 883+4 m 883+810, 1 883+630 to k Quantity lump s	810, L=220m 810, L=220m .=220m(07.21.): m 883+725 Unit Price	Total
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. TOTAL Su 07.22. Support Item No. 07.22.01. 07.22.01.01.	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY pporting structur and from kn T.S. 2.4.1	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS works ure of reinforced earth 21 -rightwarts, from km 883+591, re made of walls and piles - 22 leftwards, stone walls- from n 883+868,74 to km 883+896,59 L=95,21+28,55 =123,76 Work Description PRELIMINARY WORKS PRELIMINARY WORKS Works shall be paid in a lump sum. T EARTH WORKS Topsoil stripping This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site.	TO +591,72	VTAL MASO 2 to km 883+4 m 883+810, 1 883+630 to k Quantity lump s	810, L=220m 810, L=220m .=220m(07.21.): m 883+725 Unit Price	Total
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. TOTAL Su 07.22. Support	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY pporting structur and from kn T.S. 2.4.1 3.1.1.	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS WORKS ure of reinforced earth 21 -rightwarts, from km 883+591, re made of walls and piles - 22 leftwards, stone walls- from n 883+868,74 to km 883+896,59 L=95,21+28,55 =123,76 Work Description PRELIMINARY WORKS PRELIMINARY WORKS PRELIMINARY WORKS Works shall be paid in a lump sum. T EARTH WORKS Topsoil stripping This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site. Measurement unit is m2. Measurement is made in the LOT 2 Civil engineering design. Excavation of earth for walls Price includes excavation of III and IV category	TO +591,72 72 to kn m km 8 m Unit	VTAL MASO 2 to km 883+4 m 883+810, 1 883+630 to k Quantity lump s	810, L=220m 810, L=220m .=220m(07.21.): m 883+725 Unit Price	Total
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. TOTAL Su 07.22. Support	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY pporting structur and from kn T.S. 2.4.1 3.1.1.	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS WORKS ure of reinforced earth 21 -rightwarts, from km 883+591, re made of walls and piles - 22 leftwards, stone walls- from n 883+868,74 to km 883+896,59 L=95,21+28,55 =123,76 Work Description PRELIMINARY WORKS PRELIMINARY WORKS PRELIMINARY WORKS Works shall be paid in a lump sum. T EARTH WORKS Topsoil stripping This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site. Measurement unit is m2. Measurement is made in the LOT 2 Civil engineering design. Excavation of earth for walls Price includes excavation of III and IV category earth,loading and transport of surplus material to	TO +591,72 72 to kn m km 8 m Unit	VTAL MASO 2 to km 883+4 m 883+810, 1 883+630 to k Quantity lump s	810, L=220m 810, L=220m .=220m(07.21.): m 883+725 Unit Price	Total
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. TOTAL Su 07.22. Support	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY pporting structur and from kn T.S. 2.4.1 3.1.1.	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS <i>ure of reinforced earth 21 -rightwarts, from km 883+591,</i> re made of walls and piles - 22 leftwards, stone walls- from n 883+868,74 to km 883+896,59 L=95,21+28,55 =123,76 Work Description PRELIMINARY WORKS PRELIMINARY WORKS Works shall be paid in a lump sum. T EARTH WORKS Topsoil stripping This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site. Measurement unit is m2. Measurement is made in the LOT 2 Civil engineering design. Excavation of earth for walls Price includes excavation of III and IV category earth,loading and transport of surplus material to stockpiling area specified by the Engineer.	TO +591,72 72 to kn m km 8 m Unit	VTAL MASO 2 to km 883+4 m 883+810, 1 883+630 to k Quantity lump s	810, L=220m 810, L=220m .=220m(07.21.): m 883+725 Unit Price	Total
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. TOTAL Su 07.22. Support	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY pporting structur and from kn T.S. 2.4.1 3.1.1.	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS WORKS Ture of reinforced earth 21 -rightwarts, from km 883+591, re made of walls and piles - 22 leftwards, stone walls- from n 883+868,74 to km 883+896,59 L=95,21+28,55 =123,76 Work Description PRELIMINARY WORKS PRELIMINARY WORKS PRELIMINARY WORKS Topsoil stripping This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site. Measurement unit is m2. Measurement is made in the LOT 2 Civil engineering design. Excavation of earth for walls Price includes excavation of III and IV category earth,loading and transport of surplus material to stockpiling area specified by the Engineer. Measurement unit is m3. Measurement is made in the	TO +591,72 72 to kn m km 8 m Unit	VTAL MASO 2 to km 883+4 m 883+810, 1 883+630 to k Quantity lump s	810, L=220m 810, L=220m .=220m(07.21.): m 883+725 Unit Price	Total
07.21.06. 07.21.07. 07.21.08. 07.21.09. 07.21.10. 07.21.11. TOTAL Su 07.22. Support	PRELIMINA EARTH WOI CONCRETE REINFORCE WORKS WIT MASONRY pporting structur and from kn T.S. 2.4.1 3.1.1.	structure of reinforced earth 21 -rightwarts, from km 883 RY WORKS RKS WORKS MENT WORKS TH GEOSYNTHETIC MATERIALS WORKS <i>ure of reinforced earth 21 -rightwarts, from km 883+591,</i> re made of walls and piles - 22 leftwards, stone walls- from n 883+868,74 to km 883+896,59 L=95,21+28,55 =123,76 Work Description PRELIMINARY WORKS PRELIMINARY WORKS Works shall be paid in a lump sum. T EARTH WORKS Topsoil stripping This item includes stripping of 20 cm thick topsoil layer and stockpiling of material on the site. Measurement unit is m2. Measurement is made in the LOT 2 Civil engineering design. Excavation of earth for walls Price includes excavation of III and IV category earth,loading and transport of surplus material to stockpiling area specified by the Engineer.	TO +591,72 +591,72 m km 8 m Unit COTAL m ²	2 to km 883+4 2 to km 883+4 m 883+810, I 883+630 to k Quantity lump s PRELIMIN	810, L=220m 810, L=220m .=220m(07.21.): m 883+725 Unit Price	Total

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.22.03.		CONCRETE WORKS				
07.22.03.01.	11.1.2	Construction of concrete cap				
		Price includes construction of reinforced concrete cap ring				
		by ring, fully in accordance with designed details.				
		Measurement unit is m3	3			
			m ³	48.27		
07.22.03.02.	11.1.2	Construction of concrete wall foundation				
		This item includes concreting of wall foundation with MB				
		30 plain concrete, d=50 cm. Measurement unit is m3.	3			
		Measurement unit is m5.	m ³	103.96		
			TO	TAL CONC	RETE WORKS	
07.22.04.		MASONRY WORKS				
07.22.04.01.	07.22.04.01.	Construction of stone wall				
		Price includes construction of stone wall of 20-40 cm				
		fractions in cement mortar, fully in accordance with				
		designed details.				
		Measurement unit is m3.	m ³	650.00		
			TO	OTAL MASC	ONRY WORKS	
07.22.05.		REINFORCEMENT WORKS				
07.22.05.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		Measurement unit is kg.	kg	2,345.00		
		•		,	MENT WORKS	
			AL KI	LINFORCE	MENT WORKS	
07.22.06.		SUNDRIES	-			
07.22.06.01.	11.1	Plastic pipes f100 mm for weepholes				
		Price includes procurement and laying of $\phi 100 \text{ mm}$ plastic				
		pipes for weepholes including all related works.				
		Measurement unit is m`.	m	60.00		
		I	111		AL CUMPDIEG	
				101	AL SUNDRIES	

	07.22. SUMMARY Supporting structure made of walls and piles 22, stone walls from km 883+630 to km 883+725 and from km 883+868,74 to km 383+896,59, L=95,21+28,55=123,76m					
07.22.01.	PRELIMINARY WORKS					
07.22.02.	EARTH WORKS					
07.22.03.	CONCRETE WORKS					
07.22.04.	MASONRY WORKS					
07.22.05.	REINFORCEMENT WORKS					
07.22.06.	SUNDRIES					
TOTAL Supp	TOTAL Supporting structure of walls and piles 22, stone walls from km 883+630 to km 883+725 and from km 883+868,74 to km 883+896,59, L=95,21+28,55=123,76m (07.22,)					

07.22. Supporting structure made of walls and piles - 22

	and piles fr	rom km 883+725 to km 883+868,74 L=146,70 m				
Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.22.12.		PRELIMINARY WORKS				
07.22.12.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	um	
		נ	TOTAL	PRELIMIN	ARY WORKS:	
		Supporting structure MADE OF PILES				
07.22.13.		CONCRETE WORKS				
07.22.13.01.	11.1.7.	Casting Ø 100 cm piles of MB30 reinforced concrete,RA				
		400/500 - 2				
		Price includes all works and materials required for				
		concreting of piles.				
		Reinforcement shall be paid separately.				
		a) long piles l=11m, (12pcs.)	m ³	103.62		
		b) long piles l=10m, (54pcs.)	m ³	423.90		
		c) long piles 1=9,5m, (1pcs.)	m ³	7.46		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
		d) long piles 1=9m, (1pcs.)	m ³	7.06		
		e) long piles 1=8,5m, (2pcs.)	m ³	6.67		
		f) long piles l=8m, (1pcs.)	m ³	6.28		
		g) long piles l=7,5m, (1pcs.)	m ³	5.89		
		h) long piles 1=7m, (1pcs.) Measurement unit is m3.	m ³	5.50		
07.22.13.02.	11.1.8	Casting pile cap of MB30 reinforced concrete Price includes all works and materials required for				
		concreting of pile cap. Reinforcement shall be paid separately.				
07.00.10.00	11.0	Measurement unit is m3.	m ³	125.87		
07.22.13.03.	11.2	Making drainage filling of single-size aggregate concrete				
		Measurement unit is m3.	m ³	273.00		
07.22.13.04.	11.1.2	Casting reinforced concrete carcass of MB30 and MA 500/560 concrete				
		Measurement unit is m3.	m ³	153.92		
			тот	TAL CONCI	RETE WORKS:	
07.22.14.	1	REINFORCEMENT WORKS	ľ			
07.22.14.01.	11.1.7	Pile reinforcement a)RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works.				
			ha	60 246 00		
07.22.14.02.	11.1.8	Measurement unit is kg Pile cap reinforcement	kg	69,346.00		
		a)RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works.				
		Measurement unit is kg	kg	5,478.00		
07.22.14.03.	11.1.3	RC carcass reinforcement	0			
		a)MAG 500/560 mesh reinforcement Price includes procurement, cutting, bending and fixing of all necessary material including all related works.				
		Measurement unit is kg	kg	1,916.00		
07.22.14.04.	11.1.3	a)RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of	U			
		all necessary material including all related works.				
		Measurement unit is kg	kg	1,443.00		
0-0-5			AL RE	INFORCEM	IENT WORKS:	
07.22.15. 07.22.15.01.	11.1.5	SUNDRIES Installation of active prestressed anchors, la=17.0 m.				
07.22.13.01.	11110	Anchors consist of Ø16 mm three-wire cables. Strength of one anchor: Srač.=442 kN. Price includes cable formation, drilling Ø116 mm holes,				
		installation of anchors, grouting all phases, prestressing of anchors and formation of protection cap.				
		Drice also includes merufacture of an advect land				
		Price also includes manufacture of experimental anchors which quantity shall be 3% of the total number of				
		Measurement unit is piece	piece	37.00		
				TOTA	AL SUNDRIES:	
07.22. SUMMAR	Y Supporting	structure made of walls and piles - 22 -leftwards, piles fro	от кт	883+725 to k	am 883+868,74, 1	L=146,70m
07.05.12.	PRELIMINA	RY WORKS				
07.05.13.	CONCRETE	WORKS				
07.05.14.	REINFORCE	EMENT WORKS				
07.05.15.	SUNDRIES					
<u>TOTAL Sup</u>	pporting struc	cture made of walls and piles - 22 -leftwards, uunosand fi	гот кт			
				<u>L=1</u>	46,70m(07.22.):	1-191

T4		33+685,14 to km 884+570,00 L=886 m	Unit	Quantity	Unit Dut	Ta4-1
Item No. 07.23.01.	T.S.	Work Description PRELIMINARY WORKS	Unit	Qualitity	Unit Price	Total
07.23.01.01.	2.4.1	PRELIMINARY WORKS	1			
07.25.01.01.	2.4.1			hump		
		Works shall be paid in a lump sum.		lump s		
			OTAL	PRELIMIN	ARY WORKS:	
07.23.02.		EARTH WORKS				
07.23.02.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer				
		and stockpiling of material on the site.				
		Measurement unit is m2.				
		Measurement is made in the LOT 2 Civil engineering	m ²			
07 02 02 02	11 1 1	design	m			
07.23.02.02.	11.1.1	Excavation of earth for walls Price includes excavation of III and IV category				
		earth, loading and transport of surplus material to				
		stockpiling area specified by the Engineer.				
		Measurement unit is m3.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m ³			
	1	uongu.		TOTAL EA	RTH WORKS:	
07 32 02	1	CONCRETE WORKS		IUIALEA	KIII WOKK5:	
07.23.03. 07.23.03.01.	11.1.2	CONCRETE WORKS				
07.23.03.01.	11.1.2	Construction of concrete cap Price includes construction of reinforced concrete cap ring				
		by ring, fully in accordance with designed details.				
		by fing, funy in accordance with designed details.				
		Measurement unit is m3	m ³	345.54		
07.23.03.02.	11.1.2	Construction of concrete wall foundation				
		This item includes concreting of wall foundation with MB				
		30 plain concrete, d=50 cm.				
		Measurement unit is m3.	m ³	762.00		
	-		тот	TAL CONCR	RETE WORKS:	
07.23.04.		MASONRY WORKS				
07.23.04.01.	07.23.04.01.	Construction of stone wall				
07.23.01.01.	07.25.01.01.	Price includes construction of stone wall of 20-40 cm				
		fractions in cement mortar, fully in accordance with				
		designed details.				
		Measurement unit is m3.	m ³	3,800.00		
				,	NRY WORKS:	
07 32 05	1	DEINEOD CEMENT WOPZO	10	TAL MASU		
07.23.05.	11.1.2	REINFORCEMENT WORKS	1			
07.23.05.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		Measurement unit is kg.	kg	16,700.00		
	1				ENT WORKS:	
07 32 07	1		al KÊ	INTOACEM	IEMI WORKS:	
07.23.06.	11.1	SUNDRIES Plastic pipes f100 mm for weepholes				
07.23.06.01.	11.1					
		Price includes procurement and laying of $\phi 100 \text{ mm}$ plastic				
		pipes for weepholes including all related works.				
		Measurement unit is m`.		400.00		
		reconcentent unit 15 m .	m	420.00		
				TOTA	AL SUNDRIES:	

07.23. SUMMARY Retaining wall 23-in the central reserve from km 883+685,14 to km 884+570,00, L=886m	
07.23.01. PRELIMINARY WORKS	
07.23.02. EARTH WORKS	
07.23.03. CONCRETE WORKS	
07.23.04. MASONRY WORKS	
07.23.05. REINFORCEMENT WORKS	
07.23.06. SUNDRIES	
TOTAL Retaining wall 23-in the central reserve from km 883+685,14 to km 884+570,00, L=886m(07.23.):	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.24.01.		PRELIMINARY WORKS				
07.24.01.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum		lump s	um	
		Т	OTAL	PRELIMIN	ARY WORKS:	
07.24.02.	1	EARTH WORKS	-			
07.24.02.01.	3.1.1.	Topsoil stripping	<u> </u>			
07.24.02.01.	5.1.1.	This item includes stripping of 20 cm thick topsoil layer				
		and stockpiling of material on the site.				
		Measurement unit is m2.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m ²			
07.24.02.02.	11.1.1	Excavation of earth for walls				
		Price includes excavation of III and IV category				
		earth, loading and transport of surplus material to				
		stockpiling area specified by the Engineer.				
		Measurement unit is m3.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m ³			
		• •		TOTAL EA	RTH WORKS:	
07.24.03.	1	CONCRETE WORKS				
07.24.03.01.	11.1.2	Construction of concrete cap	<u> </u>			
07.24.05.01.	11.1.2	Price includes construction of reinforced concrete cap ring				
		by ring, fully in accordance with designed details.				
		by fing, funy in accordance with designed details.				
		Measurement unit is m3	m ³	36.00		
07.24.03.02.	11.1.2	Construction of concrete wall foundation	111	30.00		
07.24.03.02.	11.1.2	This item includes concreting of wall foundation with MB				
		30 plain concrete, d=50 cm.				
		Measurement unit is m3.	m ³	70.50		
		incustrement unit is ins.		79.50		
			тот	AL CONCR	ETE WORKS:	
		MACONDY WODIZC				
07.24.04.		MASONRY WORKS				
07.24.04. 07.24.04.01.	07.24.04.01.	Construction of stone wall				
	07.24.04.01.	Construction of stone wall Price includes construction of stone wall of 20-40 cm				
	07.24.04.01.	Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with				
	07.24.04.01.	Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with designed details.				
	07.24.04.01.	Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with	m ³	700.00		
	07.24.04.01.	Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with designed details.			NRY WORKS:	
07.24.04.01.	07.24.04.01.	Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with designed details. Measurement unit is m3.			NRY WORKS:	
07.24.04.01. 07.24.05.		Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with designed details. Measurement unit is m3. REINFORCEMENT WORKS			NRY WORKS:	
07.24.04.01.	07.24.04.01.	Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with designed details. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars			NRY WORKS:	
07.24.04.01. 07.24.05.		Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with designed details. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of			NRY WORKS:	
07.24.04.01. 07.24.05.		Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with designed details. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars			NRY WORKS:	
07.24.04.01. 07.24.05.		Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with designed details. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works.		TAL MASO	NRY WORKS:	
07.24.04.01. 07.24.05.		Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with designed details. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is kg.	TO	TAL MASO 1,750.00		
07.24.04.01. 07.24.05. 07.24.05.01.		Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with designed details. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is kg. TOTA	TO	TAL MASO 1,750.00	NRY WORKS:	
07.24.04.01. 07.24.05. 07.24.05.01. 07.24.06.	11.1.3	Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with designed details. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is kg. TOTA	TO	TAL MASO 1,750.00		
07.24.04.01. 07.24.05. 07.24.05.01.		Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with designed details. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is kg. TOT SUNDRIES Plastic pipes f100 mm for weepholes	TO	TAL MASO 1,750.00		
07.24.04.01. 07.24.05. 07.24.05.01. 07.24.06.	11.1.3	Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with designed details. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is kg. TOT SUNDRIES Plastic pipes f100 mm for weepholes Price includes procurement and laying of \$\phi100 mm plastic	TO	TAL MASO 1,750.00		
07.24.04.01. 07.24.05. 07.24.05.01. 07.24.06.	11.1.3	Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with designed details. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is kg. TOT SUNDRIES Plastic pipes f100 mm for weepholes	TO	TAL MASO 1,750.00		
07.24.04.01. 07.24.05. 07.24.05.01. 07.24.06.	11.1.3	Construction of stone wall Price includes construction of stone wall of 20-40 cm fractions in cement mortar, fully in accordance with designed details. Measurement unit is m3. REINFORCEMENT WORKS RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of all necessary material including all related works. Measurement unit is kg. TOT SUNDRIES Plastic pipes f100 mm for weepholes Price includes procurement and laying of \$\phi100 mm plastic	TO	TAL MASO 1,750.00		

07.24.01. PRELIMINARY WORKS	
07.24.02. EARTH WORKS	
07.24.03. CONCRETE WORKS	
07.24.04. MASONRY WORKS	
07.24.05. REINFORCEMENT WORKS	
07.24.06. SUNDRIES	

07.25. Supporting structure 25 made of piles 25 leftwards

Item No. 07.25.12. 07.25.12.01.	T.S. 2.4.1	Work Description PRELIMINARY WORKS PRELIMINARY WORKS	Unit	Quantity	Unit Price	Total
	2.4.1		1			
07.25.12.01.	2.7.1					
L		Works shall be paid in a lump sum.		lump s	um	
			OTAL	•		
			UTAL	PKELIMIN	ARY WORKS:	
07.05.12		Supporting structure MADE OF PILES CONCRETE WORKS				
07.25.13. 07.25.13.01.	11.1.7.	Casting Ø 100 cm piles of MB30 reinforced concrete,RA	1			
07.25.15.01.	11.1.7.	400/500 - 2				
		Price includes all works and materials required for				
		concreting of piles.				
		Reinforcement shall be paid separately.				
		a) long piles 1=8m, (63pcs.)	m ³	395.64		
		Measurement unit is m3.				
07.25.13.02.	11.1.8	Casting pile cap of MB30 reinforced concrete Price includes all works and materials required for				
		concreting of pile cap				
		Reinforcement shall be paid separately.				
		Measurement unit is m3.	m ³	130.23		
07.25.13.03.	11.2	Making drainage filling of single-size aggregate concrete				
		Measurement unit is m3.	m ³	220.00		
07.25.13.04.	11.1.2	Casting reinforced concrete carcass of MB30 and MA				
		500/560 concrete	2			
		Measurement unit is m3.	m ³	96.86		
			TOT	TAL CONCR	RETE WORKS:	
07.25.14.		REINFORCEMENT WORKS	-			
07.25.14.01.	11.1.7	Pile reinforcement				
		a)RA 400/500-2 ribbed bars Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		an necessary material meloding an related works.				
		Measurement unit is kg	kg	48,500.00		
07.25.14.02.	11.1.8	Pile cap reinforcement				
		a)RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		Measurement unit is kg	kg	4,310.00		
07.25.14.03.	11.1.3	RC carcass reinforcement	Ŭ			
		a)MAG 500/560 mesh reinforcement				
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		Measurement unit is kg	kg	1,392.00		
07.25.14.04.	11.1.3	a)RA 400/500-2 ribbed bars	8	-,-,-		
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
				1 245 00		
		Measurement unit is kg	kg	1,245.00		
			AL RE	INFORCEM	IENT WORKS:	
07.25.15.	1115	SUNDRIES	r –			
07.25.15.01.	11.1.5	Installation of active prestressed anchors, la=17.0 m. Anchors consist of Ø16 mm three-wire cables. Strength of				
		Anchors consist of 016 mm three-wire cables. Strength of one anchor: Srač.=442 kN.				
		Price includes cable formation, drilling Ø116 mm holes,				
		installation of anchors, grouting all phases, prestressing of				
		anchors and formation of protection cap.				
		Price also includes menufacture of an entranted and the				
I		Price also includes manufacture of experimental anchors	1			
		which quantity shall be 3% of the total number of				
		which quantity shall be 3% of the total number of Measurement unit is piece	piece	32.00		

07.25. SUMMARY Supporting structure made of piles 25 -leftwards, piles from кm 884+265 to km 884+390, L=125,22m 07.25.12. PRELIMINARY WORKS 07.25.13. CONCRETE WORKS 07.25.14. REINFORCEMENT WORKS 07.25.15. SUNDRIES

07.26. Retaining wall 26 leftwards, from km 884+725 to km 884+846 L=120,05 m

Item No.	T.S.	eftwards, from km 884+725 to km 884+846 L=120,05 m Work Description	Unit	Quantity	Unit Price	Total
07.26.01.		PRELIMINARY WORKS				
07.26.01.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	sum	
		Т	OTAL	PRELIMIN	ARY WORKS:	
07.26.02.		EARTH WORKS				
07.26.02.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer				
		and stockpiling of material on the site.				
		Measurement unit is m2.				
		Measurement is made in theLOT 2 Civil engineering				
		design.	m ²			
07.26.02.02.	11.1.1	Excavation of earth for walls				
		Price includes excavation of III and IV category				
		earth, loading and transport of surplus material to				
		stockpiling area specified by the Engineer.				
		Measurement unit is m3.				
		Measurement is made in the LOT 2 Civil engineering	m ³			
07.04.02.02	2 4 1 4	design.	m			
07.26.02.03.	3.4.1.4	Filling and compaction				
		Price includes the following machine operations: filling and spreading, fine and rough leveling, wetting and compaction				
		of locally excavated material.				
		or locally excavated material.				
		Measurement unit is m3.	m ³	600.25		
07.26.02.04.	3.4.1.1	Embankment slope topsoiling	III	000.23		
07.20.02.04.	5.4.1.1	This item includes embankment topsoiling above the filter				
		filling in 15 cm thick layer.				
		Measurement unit is m2.	m ²	720.00		
			ш			
				IUIAL EA	ARTH WORKS:	
07.26.03.		CONCRETE WORKS				
07.26.03.01.	11.1.2	Construction of retaining walls				
		Price includes concreting of retaining walls ring by ring				
		with MB30, V4, M150 reinforced concrete, fully in				
		accordance with designed details.	3			
		Measurement unit is m3	m ³	1,075.00		
			TOT	TAL CONCE	RETE WORKS:	
07.26.04.		REINFORCEMENT WORKS				
07.26.04.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
				20.070.00		
		Measurement unit is kg.	kg	38,079.00		
		ΤΟΤΑ	AL RE	INFORCEM	IENT WORKS:	
07.26.05.		SUNDRIES				
07.26.05.01.	11.1.4	Placing of drainage filter			T	
		This item includes placing of gravel filter behind the wall				
		including procurement and transport, fully as designed.				
		Measurement unit is m3.	m ³	370.00		
07.26.05.02.	11.1	Plastic pipes f100 mm for weepholes				
0/1201021021		Price includes procurement and laying of $\phi 100 \text{ mm}$ plastic				
071201021021		pipes for weepholes including all related works.				
071201021021		pipes for weephotes merading an related works				
071201021021						
		Measurement unit is m`.	m	48.00		

07.26. SUMMARY Retaining wall 26-leftwards, from km 884+725 to km 884+846, L=120,05m	
07.26.01. PRELIMINARY WORKS	
07.26.02. EARTH WORKS	
07.26.03. CONCRETE WORKS	
07.26.04. REINFORCEMENT WORKS	
07.26.05. SUNDRIES	
<u>TOTAL Retaining wall 26-leftwards, from km 884+725 to km 884+846, L=120,05m(07.26.):</u>	

07.M1. Retaining wall M1 leftwards, from km 0+414 to km 0+554 (following the M1 detour centerline)

T4 NT	L=140,87 n		TI	Quartite	Unit Part	T-4-1
Item No. 07.M1.01.	T.S.	Work Description PRELIMINARY WORKS	Unit	Quantity	Unit Price	Total
	2.4.1	PRELIMINARY WORKS PRELIMINARY WORKS				
07.M1.01.01.	2.4.1			hump		
		Works shall be paid in a lump sum.	0	lump s		
		T	OTAL	PRELIMIN	ARY WORKS:	
07.M1.02.		EARTH WORKS				
07.M1.02.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer				
		and stockpiling of material on the site.				
		Measurement unit is m2.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m ²			
07.M1.02.02.	11.1.1	Excavation of earth for walls				
		Price includes excavation of III and IV category				
		earth, loading and transport of surplus material to				
		stockpiling area specified by the Engineer.				
		Measurement unit is m3.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m ³			
07.M1.02.03.	3.4.1.4	Filling and compaction				
		Price includes the following machine operations: filling and				
		spreading, fine and rough leveling, wetting and compaction				
		of locally excavated material.				
		Measurement unit is m3.	3	5 (5 0 0		
07 141 02 04	2 4 1 1		m ³	565.00		
07.M1.02.04.	3.4.1.1	Embankment slope topsoiling This item includes embankment topsoiling above the filter				
		filling in 15 cm thick layer. Measurement unit is m2.	m ²	1 725 00		
		Weasurement unit is inz.	m	1,735.00		
				TOTAL EA	RTH WORKS:	
07.M1.03.		CONCRETE WORKS				
07.M1.03.01.	11.1.2	Construction of retaining walls				
		Price includes concreting of retaining walls ring by ring				
		with MB30, V4, M150 reinforced concrete, fully in				
		accordance with designed details.	3			
		Measurement unit is m3	m ³	1,183.00		
			тот	TAL CONCE	RETE WORKS:	
10.M1.04.		REINFORCEMENT WORKS				
10.M1.04.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		Maggurament unit is ha	kα	39,755.00		
		Measurement unit is kg.	kg		ENT WORKS:	
		SUNDRIES	AL KË	INFUKUEM	IENT WOKKS:	
07.M1.05.					_	
07.M1.05.01.	11.1.4	Placing of drainage filter				
		This item includes placing of gravel filter behind the wall				
		including procurement and transport, fully as designed.				
		Measurement unit is m3.	m ³	435.00		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.M1.05.02.	11.1	Plastic pipes f100 mm for weepholes Price includes procurement and laying of ϕ 100 mm plastic pipes for weepholes including all related works.				
		Measurement unit is m`.	m	56.50		
TOTAL SUNDRIES:						

07.M1 SUMMARY Retaining wall M1-leftwards, from km 0+414 to km 0+554(following the M1 detour centerline), L=140,8	<u>7m</u>
07.M1.01. PRELIMINARY WORKS	
07.M1.02. EARTH WORKS	
07.M1.03. CONCRETE WORKS	
07.M1.04. REINFORCEMENT WORKS	
07.M1.05. SUNDRIES	
<u>TOTAL Retaining wall M1-leftwards, from km 0+414 to km 0+554(following the M1 detour centerline),</u> L=140,87m(07.M1.):	1

07.M2. Supporting structure of reinforced earth M2 rightwarts, from km 0+565,38 to km 0+604,10 (following the M1 detour centerline) L=38,40 m

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.M2.06.		PRELIMINARY WORKS				
07.M2.06.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	um	
			OTAL	PRELIMIN	ARY WORKS:	
07.M2.07.		EARTH WORKS				
07.M2.07.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer				
		and stockpiling of material on the site.				
		Measurement unit is m2.				
		Measurement is made in the LOT 2 Civil engineering design.	m ²			
07.M2.07.02.	11.1.1	Excavation of earth	111			
07.1012.07.02.	11.1.1	Price includes excavation of II and III category				
		earth, loading and transport of surplus material to				
		stockpiling area specified by the Engineer.				
		Measurement unit is m3.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m ³			
07.M2.07.03.	07.M2.07.03.	Construction of embankment				
		This item includes construction of earth embankment with				
		min. 30% of 0-125 mm stone fractions.				
		Measurement unit is m3.	m ³	1,520.00		
				TOTAL EA	RTH WORKS:	
07.M2.08.		CONCRETE WORKS				
07.M2.08.01.	11.1.2	Construction of foundation with MB20 plain concrete				
		This item includes procurement, transport of necessary				
		material, work on concrete mixing and placing, quality				
		proof and other related works.				
		Measurement unit is m3	m ³	4.88		
07.M2.08.02.	11.1.2	Construction of top section of retaining wall				
		This item includes concreting of top section of retaining				
		wall with MB 30 concrete, fully in accordance with				
		designed detail.				
		Measurement unit is m3.	m ³	2.30		
			тот	AL CONCE	RETE WORKS:	
07.M2.09.	I	REINFORCEMENT WORKS				
07.M2.09.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		Measurement unit is kg	kg	130.00		
		ТОТ	AL RE	INFORCEN	IENT WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total	
07.M2.10.		WORKS WITH GEOSYNTHETIC MATERIALS					
07.M2.10.01.	07.M2.10.01.	Placing of geogrids					
		This item includes procurement, cutting and placing of					
		geogrids as designed.					
		Measurement unit is m2					
		a) geogrid M1 with Tdop= 8,21KN/m	m ²	560.00			
		a) geogrid M2 with Tdop= 18,14KN/m	m ²	1,590.00			
07.M2.10.02.	07.M2.10.02.	Procurement and installation of connectors					
		This item includes procurement and installation of					
		polyethylene connectors to connect geogrids and concrete					
		blocks.					
		Measurement unit is m`	m`	540.00			
		TOTAL WORKS WITH	GEOSY	NTHETIC	MATERIALS :		
07.M2.11.		MASONRY WORKS					
07.M2.11.01.	8.3.6	Building wall face of concrete blocks					
		This item includes procurement, transport and building					
		wall face of concrete blocks MB30, V4, M150, 40x 15x22					
		in size.					
		Measurement unit is piece.	pcs	4,180.00			
	TOTAL MASONRY WORKS:						

07.M2. SUMMARY Supporting structure of reinforced earth M2 -rightwarts, from km 0+565,38 to km 0+604,10(following the L=38,40m	e M1 detour centerline),
07.M2.06. PRELIMINARY WORKS	
07.M2.07. EARTH WORKS	
07.M2.08. CONCRETE WORKS	
07.M2.09. REINFORCEMENT WORKS	
07.M2.10. WORKS WITH GEOSYNTHETIC MATERIALS	
07.M2.11. MASONRY WORKS	
TOTAL Supporting structure of reinforced earth M2 -rightwarts, from km 0+565,38 to km 0+604,10(following the M1 <u>detour centerline), L=38,40m(07.M2.):</u>	

07.M3. Retaining wall M3 leftwards, from km 0+606 to km 0+635,72 (following the M1 detour centerline)

	L=30 m					
Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.M3.01.		PRELIMINARY WORKS				
07.M3.01.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	sum	
		Т	OTAL	PRELIMIN	ARY WORKS:	
07.M3.02.		EARTH WORKS				
07.M3.02.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer				
		and stockpiling of material on the site.				
		Measurement unit is m2.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m ²			
07.M3.02.02.	11.1.1	Excavation of earth for walls				
		Price includes excavation of III and IV category				
		earth, loading and transport of surplus material to				
		stockpiling area specified by the Engineer.				
		Measurement unit is m3.				
		Measurement is made in the LOT 2 Civil engineering	2			
		design.	m ³			
07.M3.02.03.	3.4.1.4	Filling and compaction				
		Price includes the following machine operations:filling and				
		spreading, fine and rough leveling, wetting and compaction				
		of locally excavated material.				
		Measurement unit is m3.	m ³	125.00		
07.M3.02.04.	3.4.1.1	Embankment slope topsoiling				
		This item includes embankment topsoiling above the filter				
		filling in 15 cm thick layer.				
		Measurement unit is m2.	m ²	310.00		
I.					RTH WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.M3.03.		CONCRETE WORKS				
07.M3.03.01.	11.1.2	Construction of retaining walls				
		Price includes concreting of retaining walls ring by ring				
		with MB30, V4, M150 reinforced concrete, fully in				
		accordance with designed details.				
		Measurement unit is m3	m ³	158.70		
			тот	TAL CONCR	ETE WORKS:	
07.M3.04.		REINFORCEMENT WORKS				
07.M3.04.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		Measurement unit is kg.	kg	5,118.00		
		TOT	AL RE	INFORCEM	ENT WORKS:	
07.M3.05.		SUNDRIES				
07.M3.05.01.	11.1.4	Placing of drainage filter				
		This item includes placing of gravel filter behind the wall				
		including procurement and transport, fully as designed.				
			2			
		Measurement unit is m3.	m ³	0.00		
07.M3.05.02.	11.1	Plastic pipes f100 mm for weepholes				
		Price includes procurement and laying of $\phi 100 \text{ mm}$ plastic				
		pipes for weepholes including all related works.				
		Measurement unit is m`.	m	12.00		
		1			L SUNDRIES:	

07.M3 SUMMA	ARY Retaining wall M3-leftwards, from km 0+606 to km 0+635,72(following the M1 detour centerline), L=30	<u>m</u>
07.M3.01.	PRELIMINARY WORKS	
07.M3.02.	EARTH WORKS	
07.M3.03.	CONCRETE WORKS	
07.M3.04.	REINFORCEMENT WORKS	
07.M3.05.	SUNDRIES	
	TOTAL Retaining wall M3-leftwards, from km 0+606 to km 0+635,72(following the M1 detour centerline), <u>L=30m(07.M3.):</u>	

07.M4. Retaining wall M4 leftwards, from km 0+675 to km 0+748 (following the M1 detour centerline) L=73,67 m

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.M4.01.		PRELIMINARY WORKS				
07.M4.01.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	sum	
		Т	OTAL	PRELIMIN	ARY WORKS:	
07.M4.02.		EARTH WORKS				•
07.M4.02.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer				
		and stockpiling of material on the site.				
		Measurement unit is m2				
		.Measurement is made in the LOT 2 Civil engineering				
		design.	m ²			
07.M4.02.02.	11.1.1	Excavation of earth for walls				
		Price includes excavation of III and IV category				
		earth, loading and transport of surplus material to				
		stockpiling area specified by the Engineer.				
		Measurement unit is m3.				
		Measurement is made in the LOT 2 Civil engineering				
		design.	m ³			
07.M4.02.03.	3.4.1.4	Filling and compaction				
		Price includes the following machine operations:filling and				
		spreading, fine and rough leveling, wetting and compaction				
		Measurement unit is m3.	m ³	300.00		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.M4.02.04.	3.4.1.1	Embankment slope topsoiling				
		This item includes embankment topsoiling above the filter				
		filling in 15 cm thick layer.				
		Measurement unit is m2.	m ²	740.00		
				TOTAL EA	RTH WORKS:	
07.M4.03.		CONCRETE WORKS				
07.M4.03.01.	11.1.2	Construction of retaining walls				
		Price includes concreting of retaining walls ring by ring				
		with MB30, V4, M150 reinforced concrete, fully in				
		accordance with designed details.				
		Measurement unit is m3	m ³	585.00		
			тот	TAL CONCR	RETE WORKS:	
07.M4.04.		REINFORCEMENT WORKS				
07.M4.04.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		Measurement unit is kg.	kg	15,948.00		
		TOT	AL RE	INFORCEM	IENT WORKS:	
07.M4.05.		SUNDRIES				
07.M4.05.02.	11.1	Plastic pipes f100 mm for weepholes				
		Price includes procurement and laying of $\phi 100$ mm plastic				
		pipes for weepholes including all related works.				
		Measurement unit is m`.	m	29.60		
		•		TOTA	L SUNDRIES:	

07.M4 SUMMARY Retaining wall M4-leftwards, from km 0+675 to km 0+748(following the M1 detour centerline), L=73,67	m
07.M4.01. PRELIMINARY WORKS	
07.M4.02. EARTH WORKS	
07.M4.03. CONCRETE WORKS	
07.M4.04. REINFORCEMENT WORKS	
07.M4.05. SUNDRIES	
<u>TOTAL Retaining wall M4-leftwards, from km 0+675 to km 0+748(following the M1 detour centerline),</u> <u>L=73,67m(07.M4.):</u>	

07.M5. Retaining wall M5 leftwards, from km 0+875 to km 0+919,78 (following the M1 detour centerline) L=45,14 m

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.M5.01.		PRELIMINARY WORKS				
07.M5.01.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	sum	
		ſ	OTAL	PRELIMIN	ARY WORKS:	
07.M5.02.		EARTH WORKS				
07.M5.02.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer				
		and stockpiling of material on the site.				
		Measurement unit is m2. Measurement is made in the LOT				
		2 Civil engineering design.	m ²			
07.M5.02.02.	11.1.1	Excavation of earth for walls				
		Price includes excavation of III and IV category				
		earth, loading and transport of surplus material to				
		stockpiling area specified by the Engineer.				
		Measurement unit is m3.Measurement is made in the LOT				
		2 Civil engineering design.	m ³			

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.M5.02.03.	3.4.1.4	Filling and compaction				
		Price includes the following machine operations:filling and				
		spreading, fine and rough leveling, wetting and compaction				
		of locally excavated material.				
		Measurement unit is m3.	m ³	300.00		
07.M5.02.04.	3.4.1.1	Embankment slope topsoiling				
		This item includes embankment topsoiling above the filter				
		filling in 15 cm thick layer.				
		Measurement unit is m2.	m ²	205.00		
				TOTAL EA	RTH WORKS:	
07.M5.03.		CONCRETE WORKS				
07.M5.03.01.	11.1.2	Construction of retaining walls				
		Price includes concreting of retaining walls ring by ring				
		with MB30, V4, M150 reinforced concrete, fully in				
		accordance with designed details.				
		Measurement unit is m3	m ³	467.00		
			тот	TAL CONCE	RETE WORKS:	
07.M5.04.		REINFORCEMENT WORKS				
07.M5.04.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		Measurement unit is kg.	kg	14,330.00		
I				,	IENT WORKS:	
07.145.05			al RE	INTURCEN	IEITI WORKS:	
07.M5.05.	1114	SUNDRIES				
07.M5.05.01.	11.1.4	Placing of drainage filter This item includes placing of gravel filter behind the wall				
		including procurement and transport, fully as designed.				
		Measurement unit is m3.	m ³	165.00		
07.M5.05.02.	11.1	Plastic pipes f100 mm for weepholes				
		Price includes procurement and laying of \$100 mm plastic				
		pipes for weepholes including all related works.				
		Measurement unit is m`.	m	18.50		
		•			AL SUNDRIES:	

07.M5 SUMMARY Retaining wall M5-leftwards, from km 0+875 to km 0+919,78(following the M1 detour centerline), L=45,14m					
07.M5.01.	PRELIMINARY WORKS				
07.M5.02.	EARTH WORKS				
07.M5.03.	CONCRETE WORKS				
07.M5.04.	REINFORCEMENT WORKS				
07.M5.05.	SUNDRIES				
	<u>TOTAL Retaining wall M5-leftwards, from km 0+875 to km 0+919,78 (following the M1 detour centerline),</u> <u>L=45,14m(07.M5.):</u>				

07.P1. Supporting structure of reinforced earth P1 rightwarts, from km 0+150 to km 0+283,81 (following the centerline of interchange 1) L=135,79 m

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.P1.06.		PRELIMINARY WORKS				
07.P1.06.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	sum	
	TOTAL PRELIMINARY WORKS:					
07.P1.07.		EARTH WORKS				
07.P1.07.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer				
		and stockpiling of material on the site.				
		Measurement unit is m2. Measurement is made in the LOT				
		2 Civil engineering design.	m^2			

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.P1.07.02.	11.1.1	Excavation of earth				
		Price includes excavation of II and III category				
		earth, loading and transport of surplus material to				
		stockpiling area specified by the Engineer.				
		Measurement unit is m3. Measurement is made in the				
		LOT 2 Civil engineering design.	m ³			
07.P1.07.03.	07.P1.07.03.					
		This item includes construction of earth embankment with				
		min. 30% of 0-125 mm stone fractions.				
		Measurement unit is m3.	m ³	33,265.00		
			III		RTH WORKS:	
07.P1.08.	1	CONCRETE WORKS		IUIAL EA	KIH WORKS:	
	11.1.0	CONCRETE WORKS	<u>г</u>			
07.P1.08.01.	11.1.2	Construction of foundation with MB20 plain concrete				
		This item includes procurement, transport of necessary				
		material, work on concrete mixing and placing, quality				
		proof and other related works.	2			
		Measurement unit is m3	m ³	17.11		
07.P1.08.02.	11.1.2	Construction of top section of retaining wall				
		This item includes concreting of top section of retaining				
		wall with MB 30 concrete, fully in accordance with				
		designed detail.				
		Measurement unit is m3.	m ³	8.15		
			тот	TAL CONCE	RETE WORKS:	
07.P1.09.		REINFORCEMENT WORKS				
07.P1.09.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
		, ,				
		Measurement unit is kg	kg	450.00		
			AL RE	INFORCEM	IENT WORKS:	
07.P1.10.	I	WORKS WITH GEOSYNTHETIC MATERIALS				
07.P1.10.01.	07.P1.10.01.	Placing of geogrids				
		This item includes procurement, cutting and placing of				
		geogrids as designed.				
		Measurement unit is m2				
		a) geogrid M1 with Tdop= 8,21KN/m	m ²	4,505.00		
				т,505.00		
		a) geogrid M2 with Tdop= 18,14KN/m	m ²	5,952.00		
07.P1.10.02.	07.P1 10.02	Procurement and installation of connectors		- ,		
57.1 1110.02.	57.1 1.10.02.	This item includes procurement and installation of				
		polyethylene connectors to connect geogrids and concrete				
		blocks.				
		Measurement unit is m`	m`	2,175.00		
		TOTAL WORKS WITH			MATERIALS :	
07.P1.11.		MASONRY WORKS				
07.P1.11.01.	8.3.6	Building wall face of concrete blocks	1			
57.1 1.11.01.	0.5.0	This item includes procurement, transport and building				
		wall face of concrete blocks MB30, V4, M150, 40x 15x22				
		Measurement unit is piece.	pc.	13,485.00		
	1	incasurement unit is piece.				
			то	TAL MASO	NRY WORKS:	

 07.P1. SUMMARY Supporting structure of reinforced earth P1 -rightwarts, from km 0+150 to km 0+283,81(following the centerline of interchange

 1), L=135,79m

 07.P1.06. PRELIMINARY WORKS

 07.P1.07. EARTH WORKS

 07.P1.08. CONCRETE WORKS

 07.P1.09. REINFORCEMENT WORKS

 07.P1.10. WORKS WITH GEOSYNTHETIC MATERIALS

 07.P1.11. MASONRY WORKS

 TOTAL Supporting structure of reinforced earth P1 -rightwarts, from km 0+150 to km 0+283,81(following the centerline of interchange 1), L=135,79m(07.P1.):

07.P2. Supporting structure of reinforced earth P2 rightwarts, from km 0+300,63 (following the centerline of interchange 1) to km

Item No.	T.S.	the centerline of interchange 1) to km 0+125 (following t Work Description	Unit	Quantity	Unit Price	Total
07.P2.06.		PRELIMINARY WORKS		- •		
07.P2.06.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump	sum	
		Т	OTAL	PRELIMIN	ARY WORKS:	
07.P2.07.		EARTH WORKS				
07PP2.07.01.	3.1.1.	Topsoil stripping				
		This item includes stripping of 20 cm thick topsoil layer				
		and stockpiling of material on the site.				
		Measurement unit is m2. Measurement is made in the LOT 2 Civil engineering design.	m ²			
07.P2.07.02.	11.1.1	Excavation of earth	111			
0/11/210/10/21		Price includes excavation of II and III category				
		earth, loading and transport of surplus material to				
		stockpiling area specified by the Engineer.				
		Measurement unit is m3. Measurement is made in the	2			
		LOT 2 Civil engineering design.	m ³			
07.P2.07.03.	07.P2.07.03.					
		This item includes construction of earth embankment with min. 30% of 0-125 mm stone fractions.				
		Measurement unit is m3.	m ³	10,615.00		
	l		m	· · · · ·		
	T			TOTAL EA	ARTH WORKS:	
07.P2.08.		CONCRETE WORKS			r	l .
07.P2.08.01.	11.1.2	Construction of foundation with MB20 plain concrete				
		This item includes precurement, transport of paceseers				
		This item includes procurement, transport of necessary material, work on concrete mixing and placing, quality				
		proof and other related works.				
		Measurement unit is m3	m ³	20.82		
07.P2.08.02.	11.1.2	Construction of top section of retaining wall	m	20.02		
		This item includes concreting of top section of retaining				
		wall with MB 30 concrete, fully in accordance with				
		designed detail.				
		Measurement unit is m3.	m ³	9.91		
			тот	AL CONCI	RETE WORKS:	
07.P2.09.	1	REINFORCEMENT WORKS				
07.P2.09.01.	11.1.3	RA 400/500-2 ribbed bars				
		Price includes procurement, cutting, bending and fixing of				
		all necessary material including all related works.				
				545.00		
		Measurement unit is kg	kg	545.00		
				INFORCEN	IENT WORKS:	
		ТОТА	AL KE			
07.P2.10.		WORKS WITH GEOSYNTHETIC MATERIALS	AL RE		1	-
07.P2.10. 07.P2.10.01.	07.P2.10.01.	WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids	AL RE			
	07.P2.10.01.	WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of	AL RE			
	07.P2.10.01.	WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed.	AL KE			
	07.P2.10.01.	WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2				
	07.P2.10.01.	WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed.	m ²	4,765.00		
	07.P2.10.01.	WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m		4,765.00		
	07.P2.10.01. 07.P2.10.02.	WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2	m ²			
07.P2.10.01.		WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of	m ²	4,765.00		
07.P2.10.01.		WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete	m ²	4,765.00		
07.P2.10.01.		WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks.	m ² m ²	4,765.00		
07.P2.10.01.		WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks. Measurement unit is m`	m ² m ²	4,765.00 5,085.00 2,586.00		
07.P2.10.01.		WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks. Measurement unit is m` TOTAL WORKS WITH of Comparison of the second s	m ² m ²	4,765.00 5,085.00 2,586.00	MATERIALS :	
07.P2.10.01.	07.P2.10.02.	WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks. Measurement unit is m` TOTAL WORKS WITH ONE (MASONRY WORKS)	m ² m ²	4,765.00 5,085.00 2,586.00	MATERIALS :	
07.P2.10.01. 07.P2.10.02. 07.P2.11.		WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks. Measurement unit is m` TOTAL WORKS WITH OMASONRY WORKS Building wall face of concrete blocks	m ² m ²	4,765.00 5,085.00 2,586.00	MATERIALS :	
07.P2.10.01. 07.P2.10.02. 07.P2.11.	07.P2.10.02.	WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks. Measurement unit is m` TOTAL WORKS WITH ON MASONRY WORKS Building wall face of concrete blocks This item includes procurement, transport and building	m ² m ²	4,765.00 5,085.00 2,586.00	MATERIALS :	
07.P2.10.01. 07.P2.10.02.	07.P2.10.02.	WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks. Measurement unit is m` TOTAL WORKS WITH ON AND AND AND AND AND AND AND AND AND AN	m ² m ²	4,765.00 5,085.00 2,586.00	MATERIALS :	
07.P2.10.01. 07.P2.10.02. 07.P2.11.	07.P2.10.02.	WORKS WITH GEOSYNTHETIC MATERIALS Placing of geogrids This item includes procurement, cutting and placing of geogrids as designed. Measurement unit is m2 a) geogrid M1 with Tdop= 8,21KN/m a) geogrid M2 with Tdop= 18,14KN/m Procurement and installation of connectors This item includes procurement and installation of polyethylene connectors to connect geogrids and concrete blocks. Measurement unit is m` TOTAL WORKS WITH ON MASONRY WORKS Building wall face of concrete blocks This item includes procurement, transport and building	m ² m ²	4,765.00 5,085.00 2,586.00	MATERIALS :	

07.P2.06. PRELIMINARY WORKS		
07.P2.07. EARTH WORKS		
07.P2.08. CONCRETE WORKS		
07.P2.09. REINFORCEMENT WORKS		
07.P2.10. WORKS WITH GEOSYNTHE	TIC MATERIALS	
07.P2.11. MASONRY WORKS		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
07.К6.01.		PRELIMINARY WORKS				
07.К6.01.01.	2.4.1	PRELIMINARY WORKS				
		Works shall be paid in a lump sum.		lump s	sum	
		Т	OTAL	PRELIMIN	ARY WORKS:	
07.К6.02.		WORKS ON SLOPE PROTECTION				
07.K6.02.01.	5.1.	Drilling and installation of SN anchor RØ25				
		This item includes drilling of f42-44 mm holes,procurement, treatment, installation and grouting of 5 m long SN anchor Rf25,placing the concrete base,				
		installation of steel base plate and tightening the nut.				
07 14 (02 02	<i></i>	Measurement unit is piece	pc.	1,288.00		
07.K6.02.02.	5.2.	Reinforcement mesh This item includes procurement, transport, cutting and fixing of Q138 reinforcement mesh.				
		Measurement unit is kg	kg	10,325.00		
07.K6.02.03.	5.3.	Placing 5-10 cm thick layer of MMB30 jet concrete This item includes procurement, transport and placing of jet concrete in two layers. Measurement unit is m2	m ²	0.820.00		
07.K6.02.04.	8.3.6.	Installation of prefabricated berm perimeter channel maid	m	9,830.00		
07.K6.02.04.	8.3.0.	of MB30 reinforced concrete This item includes procurement, transport and installation of prefabricated perimeter channel.				
0 - 11 (0 - 0-		Measurement unit is m`	m`	920.00		
07.K6.02.05.	4.4.6	Laying of drainage half-pipes This item includes procurement, preparation, laying and protection of half-pipes against clogging during jet concreting.				
		Measurement unit is m`	m`	175.00		
		TOTAL WO	RKS (ON SLOPE F	PROTECTION:	

07.K6. Slope K6 rightwards from KM 882+200 to km 882+720

07.K6. SUM		
07.K6.01	PRELIMINARY WORKS	
07.K6.02	WORKS ON SLOPE PROTECTION	
	TOTAL Slope 6 rightwarts from km 882+200 to km 882+720(07.K6.):	

07. SUMMARY – Final design of engineering structures	
7.16 Supporting structure of reinforced earth 16 -leftwards, from km 881+332,32 to km 881+450, L=114,81m	
7.17 Retaining wall 17 -in the central reserve from km 882+203 to km 882+675, L=472m	
7.18 Supporting structure of reinforced earth 18 -leftwards, from km 882+320 to km 882+480, L=160m	
7.19 Retaining wall 19-leftwards, from km 883+250 to km 883+515,L=267m	
7.20 Supporting structure of reinforced earth 20 -in the central reserve from km $883+582,42$ to km $883+685,14$, L=102,60m	
7.21 Supporting structure of reinforced earth 21 -rightwarts, from km 883+591,72 to km 883+810, L=220m	
7.22 Supporting structure made of walls and piles - 22, stone walls from km 883+630 to km 883+725 and from km 883+868,74 to km 883+896,59, L=95,21+28,55=123,76m	
$\frac{7.22}{\text{km } 883+868,74 \text{ to km } 883+896,59, L=95,21+28,55=123,76m}}{7.22}$ Supporting structure made of walls and piles - 22 -leftwards, piles from km 883+725 to km 883+868,74, L=146,70m	
7.23 Retaining wall 23-in the central reserve ,from km 883+685,14 to km 884+570,00, L=886m	
7.24 Retaining wall 24-in the central reserve from km 883+940 to km 884+030, L=92,23m	
7.25 Supporting structure made of piles 25 -leftwards, piles from km 884+265 to km 884+390, L=125,22m	
7.26 Retaining wall 26-leftwards, from km 884+725 to km 884+846, L=120,05m	
7.M1 Retaining wall M1-leftwards, from km 0+414 to km 0+554(following the M1 detour centerline), L=140,87m	
7.M2 Supporting structure of reinforced earth M2 -rightwarts, from km 0+565,38 to km 0+604,10 (following the M1 detour centerline), L=38,40m	
7.M3 Retaining wall M3-leftwards, from km 0+606 to km 0+635,72(following the M1 detour centerline), L=30m	
7.M4 Retaining wall M4-leftwards, from km 0+675 to km 0+748(following the M1 detour centerline), L=73,67m	
7.M5 Retaining wall M5-leftwards, from km 0+875 to km 0+919,78(following the M1 detour centerline), L=45,14m	
7.P1 Supporting structure of reinforced earth P1 -rightwarts, from km 0+150 to km 0+283,81(following the centerline of interchange 1), L=135,79m	
7.P2 Supporting structure of reinforced earth P2 -rightwarts from km 0+300,63 (following the centerline of interchange 1) to km 0+125 (following the centerline of leg 3), L=165,20m	
7.K6 Slope 6 rightwarts from km 882+200 to km 882+720	
SUB-TOTAL	
Unforeseen work (5% of sub-total)	
TOTAL ENGINEERING STRUCTURES (7.):	
I I I I I I I I I I I I I I I I I I I	

08.09. BRIDGE AT km 881+101.843 Unit T.S. Work Description Quantity **Unit Price** Total Item No. EARTH WORKS 08.09.01 13.2 Excavation for foundations Excavation of foundations in II and III category soil and 08.09.01.01 13.2.1 transport of earth to distance of 500 m. Payment per m³ of excavated earth m³ - at depth of 0-2 m 5,378.80 m³ 2,192.20 - at depth of 2-4 m m^3 2,110.90 - at depth of 4-6 m \underline{m}^3 1.920.70 at depth over 6 m 08.09.01.02 13.2.1 Excavation of foundations in IV category soil and transport of earth to distance of 500 m. Payment per m³ of excavated earth m^3 - at depth of 4-6 m 783.70 \underline{m}^3 6,132.20 - at depth over 6 m 08.09.01.03 13.2.2 Extra for excavation of foundations with pumping of 30 m³ lit/min - 120 lit/min water. 9,259.25 Excavation of Trenches and Channels Less than 1.5 m 08.09.01.04 13.2.3 m³ 91.20 Wide and Less than 2.0 m Deep 08.09.01.05 13.2.4 Backfilling of pier foundations with earth in 30 cm thick layers including compaction of layers to modulus of compressibility Ms=30 MPa. Payment per m³ of compacted earth. m^3 5,707.80 Construction of wedge made of well-graded gravel 08.09.01.06 13.2.5 compacted in 30 cm thick layers to modulus of compressibility Ms=40 MPa. It shall be constructed behind the abutments. Payment per m³ of compacted gravel. m^3 2,815.30 08.0901.07 Placing the sub-base made of gravel and sand in 30 cm 13.2.7 additional thick layers under foundation including compaction of specifications layers to modulus of compressibility Ms=30 MPa. Payment per m³ of compacted gravel. m³ 164.50 08.09.01.08 13.2.8 Construction of end slope of material from the cutting or additional borrow pit including mechanical compaction in 30 cm specifications thick layers, fully as designed. Payment per m3 of compacted material. m^3 647.80 08.09.01.09 Placing 80 cm thick cover protecting a gravel wedge made 13.2.9 additional of gravel sand where top 30 cm shall be stabilized with specifications cement and bottom 50 cm compacted in two layers to modulus of compressibility Ms=40 MPa. m³ Payment per m³ of compacted gravel. 353.40 08.09.01.10 13.4.2 Construction of Ø120 cm piles with concrete, class MB 30, M-150, V-3. Payment per m' of completed pile m' 1,126.00 TOTAL EARTH WORKS: CONCRETE 08.09.02. 13.4 This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibrating. * Reinforcing bars shall be paid separately, except for bored piles. * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m3 of placed concrete for completely performed work 13.4.1 Plain concrete 08.09.02.01 13.4.1.1 Foundation of end slope wall made of concrete, class I m³ 29.70 MB25 08.09.02.02 13.4.1.2 Lining of end slopes with concrete plates (60'40'12 cm) \underline{m}^2 649.00 MB 40, M-150, V-3 08.09.02.03 13.4.1.3 Blinding layer, 15 cm thick, made of concrete, class I MB additional 15 under foundation, pile caps and crossing slabs. m^3 161.90 specifications Plain concrete for open caissons. Class I MB 20 08.09.02.04 13.1.4.4 additional m^3 116.60 specifications 13.4.3 **Reinforced concrete constructions** 08.09.02.05 13.4.3.1 Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of

reinforced concrete, class III MB 30, M-150, V-6.

m³

2,073.90

			T T •/	0 111		
Item No.	T.S. 13.4.3.2	Work Description	Unit	Quantity	Unit Price	Total
08.09.02.06	13.4.3.2	Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of				
		reinforced concrete, class III MB 45, M-150, V-6.				
		Territoreed concrete, class in wid 45, w-150, v-0.	m ³	245.00		
	13.4.3.2	Piers supporting plain spanning constructions of				
		different systems and bearing beams				
08.09.02.07	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30,				
		M-150, V-6.	m ³	225.50		
08.09.02.08	13.4.3.2	Abutment wing walls made of concrete, class II, MB 30,	3			
	10 1 0 0	M-150, V-6.	m ³	127.90		
08.09.02.09	13.4.3.2	Bearing beams of abutment made of concrete, class II,	m ³	192 70		
08.09.02.10	13.4.3.2	MB 30, M-150, V-6. Abutment parapets constructed of concrete, class II, MB	m	182.70		
08.09.02.10	15.4.5.2	30, M-150, V-6.	m ³	87.50		
08.09.02.11	13.4.3.2	Pedestrian cantilever walkway at abutment wing walls		07.50		
		constructed of concrete, class II, MB 30, M-150, V-6.				
			m ³	11.00		
08.09.02.12	13.4.3.2	Masking covers of abutments and middle piers made of				
		concrete, class II, MB 30, M-150, V-6.	m ³	46.00		
08.09.02.13	13.4.3.2	Middle pier bodies constructed of concrete, class II, MB	3			
		30, M-150, V-6.	m ³	1,129.00		
08.09.02.14	13.4.3.2	Middle pier bodies constructed of concrete, class II, MB	m ³	22.10		
08.09.02.15	13.4.3.2	40, M-150, V-6. Bearing beams of middle piers made of concrete, class II,	m	22.10		-
08.09.02.15	15.4.5.2	MB 30, M-150, V-6.	m ³	1,290.10		
08.09.02.16	13.4.3.2	Abutment and middle pier caps made of concrete, class II,		1,290.10		
00107102110	10111012	MB 30, M-150, V-6.	m ³	26.50		
08.09.02.17	13.4.3.2	Wing walls constructed of reinforced concrete, class II				
		MB 30, M-150, V-6	m ³	316.60		
08.09.02.18	13.4.3.3	Spanning bridge construction of reinforced concrete				
08.09.02.19	13.4.3.3	Cross girders made of reinforced concrete, class II, MB	3			
	10 1 0 0	40, M-150, V-6.	m ³	430.64		
08.09.02.20	13.4.3.3	Bridge deck over prefabricated girders made of reinforced	m ³	1 027 29		
08.09.02.21	13.4.3.4	concrete, class II, MB 40, M-150, V-6. Cornices at footway level (including inspection manholes)	m	1,937.28		-
08.09.02.21	15.4.5.4	cast in situ. Concrete class II MB 40, M-150, V-6				
		cast in situ. Concrete class if MB 40, M-150, V-0	m ³	409.90		
08.09.02.22	13.4.3.5	Crossing slabs made of concrete MB 30, M-150, V-6		107.70		
			m ³	50.00		
08.09.02.23	13.4.3.4	Masking covers of cornices at footway level made of	_			
		concrete, class II, MB 45, M-150, V-8.	m ³	128.80		
08.09.02.24	13.4.4	Prestressed bridge constructions				
08.09.02.25	13.4.4	Prefabricated main girders made of prestressed concrete,	m ³	1 001 00		
00.00.02.26	12.4.4	class II MB 50, M-150, V-3	m	1,901.00		
08.09.02.26	13.4.4	Prestressed box bridge construction cast in situ. Concrete class II MB 45, M-150, V-3	m ³	3,020.00		
		Concrete class II MB 45, M-150, V-5				
				UTAL CONCE	RETE WORKS:	
08.09.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and construction	ıs			
		* The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as				
		designed.				
08.09.03.01	13.5.1	Smooth rebars GA 240/360				
00.07.00.01	10.0.1		kg	466.51		
08.09.03.02	13.5.1	Ribbed rebars RA 400/500-2				
			kg	2,210,378.00		
08.09.03.03	13.5.1	Welded mesh reinforcement MAG 500/560				
			kg	1,069.22		
		Metal works in prestressed concrete				
	13.5.2	* The price includes procurement, fixing and tensioning.				
00.00.02.01	10 5 0					1
08.09.03.04	13.5.2	Patented high-strength prestressing strands with all	Inc	251 000 22		
08.09.03.05	13.6	anchors, base plates and protective tubes for cables Expansion joints - procurement and installation as	kg	251,089.32		
00.09.05.05	15.0	designed MT-100,	m'	26.00		
08.09.03.06	13.6	Expansion joints - procurement and installation as		20.00	1	1
	10.0	designed MT-160,	m'	52.00		
08.09.03.07	13.6	Expansion joints - procurement and installation as	1	-		
		designed MT-230,	m'	26.00		
08.09.03.08	13.7	gullies of cast iron, procurement and installation as				
		designed S-6,	pc.	16.00		
08.09.03.09	13.7	gullies of cast iron, procurement and installation as				
00.00.02.10	10 5	designed S-7,	pc.	17.00		
08.09.03.10	13.7	gullies of cast iron, procurement and installation as	no	16.00		
		designed S-9,	pc.	16.00	l	<u> </u>

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
	13.8	Steel bridge fences:				
08.09.03.11	13.8.2	- tubular fences or fences made of steel sections				
			kg	17,946.00		
08.09.03.12	13.9	Bridge bearings				
		NGe,Nga,N	pc.	18.00		
		NAL-a,NAL-b, NAL-f, NAL	pc.	72.00		
				TOTAL N	METAL WORK	
08.09.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
		installation as designed.				
08.09.04.01	13.10.1	Concrete or stone curbs				
		along the highway, 13/20 MB 40	m'	1,788.50		
08.09.04.02	13.10.2	Insulating coat on pavement top		-		
			m ²	9,277.30		
08.09.04.03	13.10.3	Applying one layer of bitulite and one layer of hot				
		bitumen onto concrete surfaces in contact with earth.				
			m ²	3,623.00		
08.09.04.04	13.10.4	Bituminous pavement base course, BNHS 16A, 5 cm				
		thick	m ²	8,690.40		
08.09.04.05	13.10.4	Pavement wearing course of skeleton mastic asphalt				
		SMA 0/11S, 4cm thick	m^2	8,690.40		
08.09.04.06	13.10.5	Trial loading of constructed bridge.	· ·		•	
				lump su	ım	
08.09.04.07	13.10.6	Photographing during bridge construction				
				lump su	ım	
08.09.04.08	13.10.8	Fitting and sealing joints with elastic bituminous sealing				
		compound ('livobit) on asphalt next to curbs and cornices				
		at footway level and next to expansion joints				
		at lootway level and next to expansion joints	m'	3,577.00		
08.09.04.09	13.11.1	Laying PVC pipes into footways (cat walks), Ø110 mm				
			m'	2,646.20		
08.09.04.10	13.11.2	Epoxy and polyurethane preservative on footways				
			m ²	2,298.60		
08.09.04.11	13.11.8	Construction of cementitious grouting mortar beds				
	additional		2			
	specifications		m ²	75.80		
08.09.04.12	13.7.2	Cast iron pipes for gully water discharge including all				
		fixing accessories.	m'	210.00		
		TOTAL FINISHING AN	ID SUN	DRY WORKS	ON BRIDGES:	

SUMMARY - BRIDGE AT km 881+101.843

SUMMARI - DRIDGE AI KII 881+101.845	
08.09.01 EARTH WORKS	
08.09.02 CONCRETE	
08.09.03 METALWORK	
08.09.04 FINISHING AND SUNDRY WORKS ON BRIDGES	
TOTAL BRIDGE AT km 881+101.84	3:

08.10. BRIDGE at km 881+705.810

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.10.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.10.01.01	13.2.1	Excavation of foundations in IV and V category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	2,108.44		
		- at depth of 2-4 m	m ³	1,557.12		
		- at depth of 4-6 m	m ³	1,329.18		
		- at depth over 6 m	m ³	1,311.87		
08.10.01.02	13.2.2	Extra for excavation of foundations with pumping of 30				
		lit/min - 120 lit/min water.	m ³	1,261.32		
08.10.01.03	13.2.4	Backfilling of pier foundations with earth in 30 cm thick				
		layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	1,145.56		

T

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.10.01.04	13.2.5	Construction of wedge made of well-graded gravel	Cint	Quantity	Omerice	Total
00110101101	10.210	compacted in 30 cm thick layers to modulus of				
		compressibility Ms=40 MPa. It shall be constructed				
		behind the abutments.				
		Payment per m ³ of compacted gravel.	m ³	1,893.01		
08.10.01.05	13.2.8	Construction of end slope of material from the cutting or				
	additional	borrow pit including mechanical compaction in 30 cm				
	specifications	thick layers, fully as designed. Payment per m3 of compacted material.	m ³	<i></i>		
08.10.01.06	13.4.2	Construction of Ø120 cm piles with concrete, class MB	m	666.46		
00.10.01.00	15.1.2	30, M-150, V-3. Payment per m' of completed pile.	m'	168.00		
				TOTAL EA	ARTH WORKS:	
08.10.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by				
		* Reinforcing bars shall be paid separately, except for bore	ed piles.			
		* Cables shall be paid separately.* The price of concrete includes formwork and scaffold.				
		* Payment per m ³ of placed concrete for completely perfor	med wo	rk		
	13.4.1	Plain concrete				
08.10.02.01	13.4.1.3	Blinding layer, 10 cm thick, made of concrete, class I MB				
	additional	15 under foundation, pile caps and crossing slabs.	m ³	45.20		
08.10.02.02	specifications 13.4.1.1	Foundation of end slope wall made of concrete, class I	m	45.30		
00.10.02.02	13.7.1.1	MB25.	m ³	5.25		
08.10.02.03	13.4.1.2	Lining of end slopes with concrete plates (60'40'12 cm)				
00 40 00 00		MB 40, M-150, V-3	m ²	31.00		
08.10.02.04	13.4.1.6	Concrete MB20 to fill foundation hole. Filling is done under the water.Payment per m ³ completed job.	m ³	1,570.00		
	13.4.3	Reinforced concrete constructions	m	1,370.00	<u></u>	
08.10.02.05	13.4.3.1	Strip foundations, foundations for wings, counter-beams,				
		slab foundations, cushions and pile caps made of				
		reinforced concrete, class III MB 30, M-150, V-6.	m ³	004.00		
	13.4.3.2	Piers supporting plain spanning constructions of differ		984.20	ng booms	
08.10.02.06	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30,		enis and bearn		
		M-150, V-6.	m ³	436.10		
08.10.02.07	13.4.3.2	Abutment wing walls made of concrete, class II, MB 30,	3			
08.10.02.08	13.4.3.2	M-150, V-6. Bearing beams of abutment made of concrete, class II,	m ³	52.80		
08.10.02.08	13.4.3.2	MB 30, M-150, V-6.	m ³	118.10		
08.10.02.09	13.4.3.2	Abutment parapets constructed of concrete, class II, MB				
		30, M-150, V-6.	m ³	101.50		
08.10.02.10	13.4.3.2	Pedestrian cantilever walkway at abutment wing walls				
		constructed of concrete, class II, MB 30, M-150, V-6.	m ³	8.95		
08.10.02.11	13.4.3.2	Masking covers of abutments and middle piers made of		0170		
		concrete, class II, MB 30, M-150, V-6.	m ³	7.50		
08.10.02.12	13.4.3.2	Middle pier bodies constructed of concrete, class II, MB	m ³	101.10		
08.10.02.13	13.4.3.2	30, M-150, V-6. Bearing beams and caps of middle piers made of concrete,		191.10		
00.10.02.15	13.7.3.2	class II, MB 30, M-150, V-6.	m ³	152.20		
08.10.02.14	13.4.3.2	Wing walls constructed of reinforced concrete, class II				
00 10 00 15	10.100	MB 30, M-150, V-6	m ³	228.50		
08.10.02.15 08.10.02.16	13.4.3.3 13.4.3.4	Spanning bridge construction of reinforced concrete Cornices at footway level (including inspection manholes)				
00.10.02.10	13.4.3.4	cast in situ. Concrete class II MB 40, M-150, V-6				
			m ³	168.10		
08.10.02.17	13.4.3.5	Crossing slabs made of concrete MB 30, M-150, V-6	3			
00 10 00 10	12424	Marking according of as miner at factor 1, 1, 1, 1, 1	m ³	52.70		
08.10.02.18	13.4.3.4	Masking covers of cornices at footway level made of concrete, class II, MB 45, M-150, V-8.	m ³	55.60		
	13.4.4	Prestressed bridge constructions			۱	
08.10.02.19	13.4.4	Prestressed box bridge construction cast in situ.				
		Concrete class II MB 50, M-150, V-3	m ³	3,988.00	Į	
			Т	OTAL CONCI	RETE WORKS:	
08.10.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and constructio * The price includes procurement, cutting, bending and	ns			
		* The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as				
		designed.				
08.10.03.01	13.5.1	Ribbed rebars RA 400/500-2				
	12.5.0		kg	1,179,594.44	Į	<u> </u>
	13.5.2	Metal works in prestressed concrete * The price includes procurement, fixing and tensioning				
	1	* The price includes procurement, fixing and tensioning.				

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.10.03.02	13.5.2	Patented high-strength prestressing strands with all				
		anchors, base plates and protective tubes for cables	kg	152,000.00		
08.10.03.03	13.6	Expansion joints - procurement and installation as		72.20		
00.10.02.04	10.7	designed (drawing No. 33).	m'	52.20		
08.10.03.04	13.7	S-7 gullies of cast iron, procurement and installation as designed.		20.00		
08.10.03.05	13.8.2	- tubular fences or fences made of steel sections	pc.	20.00		
08.10.05.05	15.6.2	- tubular fences of fences made of steel sections	kg	7,863.70		
08.10.03.06	13.9	Bridge bearings		1,000110		
		Nge 450	pc.	4.00		
		Nga 450	pc.	4.00		
		N 1100		4.00		
		Nge 1100	pc.	4.00		
		N 1100	pc.	8.00		
			I	TOTAL N	METAL WORK	
08.10.04	13.11	FINISHING AND SUNDRY WORKS ON BRIDGES		1011121		
00.10.04	13.11	This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
		installation as designed.				
08.10.04.01	13.10.1	Concrete or stone curbs				
		along the highway, 13/20 MB 40	m'	382.00		
08.10.04.02	13.10.2	Insulating coat on pavement top	2			
	12.10.2		m ²	3,714.02		
08.10.04.03	13.10.3	Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth.				
		bitumen onto concrete surfaces in contact with earth.	m^2	1,418.00		
08.10.04.04	13.10.4	Bituminous pavement base course, BNHS 16A, 5 cm	m	1,410.00		
00110101101	1011011	thick	m^2	3,626.64		
08.10.04.05	13.10.4	Pavement wearing course of skeleton mastic asphalt				
		SMA 0/11S, 4cm thick	m ²	3,626.64		
08.10.04.06	13.11.2	Epoxy and polyurethane preservative on footways	_			
			m ²	973.00		
08.10.04.07	13.10.8	Fitting and sealing joints with elastic bituminous sealing				
		compound ('livobit) on asphalt next to curbs and cornices				
		at footway level and next to expansion joints	m'	740.25		
08.10.04.08	13.11.1			740.23		
00.10.04.00	10.11.1	Laying PVC pipes into footways (cat walks), Ø110 mm	m'	1,156.00		
08.10.04.09	13.10.5	Trial loading of constructed bridge		1	·	
				lump su	m	
08.10.04.10	13.10.6	Photographing during bridge construction				
				lump su		
		TOTAL FINISHING AN	ND SUN	DRY WORKS	ON BRIDGES:	

SUMMARY - BRIDGE AT km 881+705.810		
08.10.01 EARTH WORKS		
08.10.02 CONCRETE		
08.10.03 METALWORK		
08.10.04 FINISHING AND SUNDRY WORKS ON BRIDGES		
	TOTAL BRIDGE AT km 881+705.810:	

08.11. BRIDGE AT km 883+067.252

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.11.01	13.2	EARTH WORKS			· · · ·	
		Excavation for foundations				
08.11.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	11,690.45		
		- at depth of 2-4 m	m ³	8,125.82		
		- at depth of 4-6 m	m ³	3,736.00		
		- at depth over 6 m	m ³	2,251.00		

T/ N	m a	XX7. 1 Down 1.41	TI:4	0	IL ' D '	T. (.)
Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.11.01.02	13.2.1	Excavation of foundations in V category soil and transport of earth to distance of 500 m.				
		Payment per m^3 of excavated earth				
		- at depth of 4-6 m	3	245.00		
			m ³	245.00		
		at dowth arran 6 m	m ³	122.00		
08.11.01.03	13.2.2	- at depth over 6 m Extra for excavation of foundations with pumping of 30	m	122.00		
00.11.01.05	13.2.2	lit/min - 120 lit/min water.	m ³	13,085.13		
08.11.01.04	13.2.4	Backfilling of pier foundations with earth in 30 cm thick		- ,		
		layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	19,269.00		
08.11.01.05	13.2.5	Construction of wedge made of well-graded gravel				
		compacted in 30 cm thick layers to modulus of				
		compressibility Ms=40 MPa. It shall be constructed				
		behind the abutments.				
		Payment per m ³ of compacted gravel.	m ³	2,991.00		
08.11.01.06	13.2.8	Construction of end slope of material from the cutting or				
	additional	borrow pit including mechanical compaction in 30 cm				
	specifications	thick layers, fully as designed.	3			
		Payment per m3 of compacted material.	m ³	780.00		
08.11.01.07	13.4.2	Construction of Ø150 cm piles with concrete, class MB		479.00		
	l	30, M-150, V-3. Payment per m' of completed pile.	m'	478.00		
				TOTAL EA	ARTH WORKS:	
08.11.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by				
		* Reinforcing bars shall be paid separately, except for bore	d piles.			
		* Cables shall be paid separately.* The price of concrete includes formwork and scaffold.				
		* Payment per m ³ of placed concrete for completely perform	nad wo	rk		
	13.4.1	Plain concrete	neu wo	1K		
08.11.02.01	13.4.1.3	Blinding layer, 15 cm thick, made of concrete, class I MB				
	additional	15 under foundation, pile caps and crossing slabs.				
	specifications		m ³	775.00		
	13.4.3	Reinforced concrete constructions				
08.11.02.02	13.4.3.1	Strip foundations, foundations for wings, counter-beams,				
		slab foundations, cushions and pile caps made of				
		reinforced concrete, class III MB 30, M-150, V-6.	3			
			m ³	2,395.00		
	13.4.3.2	Piers supporting plain spanning constructions of				
08.11.02.03	13.4.3.2	different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 35,				
08.11.02.03	15.4.5.2	M-150, V-6.	m ³	152.00		
08.11.02.04	13.4.3.2	Abutment wing walls made of concrete, class II, MB 35,		152.00		
0011102101	10111012	M-150, V-6.	m ³	124.00		
08.11.02.05	13.4.3.2	Bearing beams of abutment made of concrete, class II,				
		MB 35, M-150, V-6.	m ³	116.00		
08.11.02.06	13.4.3.2	Abutment parapets constructed of concrete, class II, MB				
		35, M-150, V-6.	m ³	82.00		
08.11.02.07	13.4.3.2	Pedestrian cantilever walkway at abutment wing walls				
		constructed of concrete, class II, MB 35, M-150, V-6.	m ³	24.40		
08 11 02 09	12420	Masking covers of abutments and middle piers made of	m	34.40		
08.11.02.08	13.4.3.2	Masking covers of abutments and middle piers made of concrete, class II, MB 30, M-150, V-6.	m ³	28.00		
08.11.02.09	13.4.3.2	Middle pier bodies constructed of concrete, class II, MB		20.00		
00.11.02.07	15.4.5.2	35, M-150, V-6.	m ³	1,257.00		
08.11.02.10	13.4.3.2	Bearing beams of middle piers made of concrete, class II,		,		
		MB 40, M-150, V-6.	m ³	728.00		
08.11.02.11	13.4.3.2	Abutment and middle pier caps made of concrete, class II,				
		MB 40, M-150, V-6.	m ³	46.00		
08.11.02.12	13.4.3.2	Wing walls constructed of reinforced concrete, class II	2			
		MB 30, M-150, V-6	m ³	629.10		
	13.4.3.3	Spanning bridge construction of reinforced concrete				
08.11.02.13	13.4.3.3	Cross girders made of reinforced concrete, class II, MB				
00.11.02.15	13.4.3.3	50, M-150, V-6.	m ³	713.00		
08.11.02.14	13.4.3.3	Bridge deck over prefabricated girders made of reinforced	***	, 13.00		
00.11.02.17	10.1.0.0	concrete, class II, MB 45, M-150, V-6.	m ³	2,289.00		
08.11.02.15	13.4.3.4	Cornices at footway level (including inspection manholes)		,,.00		
		cast in situ. Concrete class II MB 30, M-150, V-6				
			m ³	558.00		
08.11.02.16	13.4.3.5	Crossing slabs made of concrete MB 35, M-150, V-6	~			
			m ³	53.00		
08.11.02.17	13.4.3.4	Masking covers of cornices at footway level made of	2			
•	1	concrete, class II, MB 45, M-150, V-8.	m ³	376.00	1	1

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
00 11 00 10	13.4.4	Prestressed bridge constructions				
08.11.02.18	13.4.4	Prefabricated main girders made of prestressed concrete, class II MB 50, M-150, V-3	m ³	2,350.00		
08.11.02.19	13.4.4	Prestressed box bridge construction cast in situ. Concrete class II MB 45, M-150, V-3	m ³	2,516.00		
			Т		RETE WORKS:	
08.11.03.	13.5	METALWORK	_			
00.11.05.	13.5	Reinforcing bars in concrete members and constructio * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.	ns			
08.11.03.01		Reinforcement B500A	kg	1,605,246.00		
08.11.03.02	13.5.1	Ribbed rebars RA 400/500-2	kg	140,916.00		
	13.5.2	Metal works in prestressed concrete * The price includes procurement, fixing and tensioning.	8	,		
08.11.03.03	13.5.2	Patented high-strength prestressing strands with all anchors, base plates and protective tubes for cables	kg	193,332.00		
08.11.03.04	13.6	Expansion joints - procurement and installation as designed (drawing No. 32).	m'	105.00		
08.11.03.05	13.7	S-6 gullies of cast iron, procurement and installation as designed.	pc.	18.00		
08.11.03.06	13.7	S-7 gullies of cast iron, procurement and installation as designed.	pc.	16.00		
08.11.03.07	13.7	S-9gullies of cast iron, procurement and installation as designed.	pc.	20.00		
08.11.03.08	13.8	Steel bridge fences:				
08.11.03.09	13.8.2	- tubular fences or fences made of steel sections	kg	18,800.00		
08.11.03.10	13.8.3	-protective mesh	kg	891.40		
08.11.03.11	13.9	Bridge bearings				
		(procurement and installation as designed (drawing No.				
		32) fixed end bearings	pc.	19.00		
		free end bearings movable in direction of bridge center	pe.	19.00		
		line	pc.	17.00		
		bearings movable vertically to bridge centerline	pc.	45.00		
		bearings movable in both directions	pc.	27.00		
				TOTAL N	METAL WORK	
08.11.04	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
		installation as designed.				
08.11.04.01	13.10.1	Concrete or stone curbs				
08.11.04.02	13.10.2	along the highway, 13/20 MB 40 Insulating coat on pavement top	m'	1,976.00		
00.11.04.02	15.10.2	insulating coat on pavement top	m ²	9,796.00		
08.11.04.03	13.10.3	Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth.	2			
08.11.04.04	13.10.4	Bituminous pavement base course, BNHS 16A, 5 cm	m ² m ²	3,887.00		
08.11.04.05	13.10.4	thick Pavement wearing course of skeleton mastic asphalt		9,200.00		
08.11.04.06	13.10.5	SMA 0/11S, 4cm thick Trial loading of constructed bridge.	m ²	9,200.00		
08.11.04.07	13.10.6	Photographing during bridge construction		lump su		
08.11.04.08	13.10.8		-	lump su	111	
00.11.04.00	13.10.0	Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices				
08.11.04.09	13.11.1	at footway level and next to expansion joints	m'	4,082.00		
08.11.04.09	13.11.1	Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways	m'	2,747.00		
00.11.07.10	13.11.2	Epony and poryareatance preservative on tootways	m ²	2,381.00		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.11.04.11	13.11.8	Construction of cementitious grouting mortar beds				
	additional					
	specifications		m ²	74.00		
08.11.04.12	13.11.9	Steel plates embedded in girder at points where girders				
	additional	rest on bearings.				
	specifications		kg	2,291.00		
08.11.04.13	13.7.2	Cast iron pipes for gully water discharge including all				
		fixing accessories.	m'	170.00		
	TOTAL FINISHING AND SUNDRY WORKS ON BRIDGES:					

SUMMARY - BRIDGE AT km 883+067.252		
08.11.01 EARTH WORKS		
08.11.02 CONCRETE		
08.11.03 METALWORK		
08.11.04 FINISHING AND SUNDRY WORKS ON BRIDGES		
	TOTAL BRIDGE AT km 883+067.252:	

08.12. BRIDGE AT km 883+576.495

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.12.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.12.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	1 550 00		
			m	1,779.00		
			m ³	1,365.00		
		- at depth of 2-4 m	m	1,505.00		
		at death of A.C. as	m ³	600.00		
08.12.01.02	13.2.2	- at depth of 4-6 m Extra for excavation of foundations with pumping of 30	111	000.00		
08.12.01.02	15.2.2		m ³	2,000.00		
08.12.01.03	13.2.4	lit/min - 120 lit/min water. Backfilling of pier foundations with earth in 30 cm thick	111	2,000.00		
08.12.01.03	13.2.4	÷ 1				
		layers including compaction of layers to modulus of compressibility Ms=30 MPa.				
			3			
00.10.01.07	10.0 -	Payment per m ³ of compacted earth.	m ³	1,486.00		
08.12.01.04	13.2.5	Construction of wedge made of well-graded gravel				
		compacted in 30 cm thick layers to modulus of				
		compressibility Ms=40 MPa. It shall be constructed				
		behind the abutments.	2			
		Payment per m ³ of compacted gravel.	m ³	1,701.00		
08.12.01.05	13.2.8	Construction of end slope of material from the cutting or				
	additional	borrow pit including mechanical compaction in 30 cm				
	specifications	thick layers, fully as designed.				
		Payment per m3 of compacted material.	m ³	21.20		
08.12.01.06	13.2.9	Placing 80 cm thick cover protecting a gravel wedge made				
	additional	of gravel sand where top 30 cm shall be stabilized with				
	specifications	cement and bottom 50 cm compacted in two layers to				
		modulus of compressibility Ms=40 MPa.				
		Payment per m3 of compacted material.	m ³	6.40		
				TOTAL EA	RTH WORKS:	
08.12.02.	13.4	CONCRETE			Į	
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by	vibratii	ıg.		
		* Reinforcing bars shall be paid separately, except for bore	d piles.			
		* Cables shall be paid separately.				
		* The price of concrete includes formwork and scaffold.				
		* Payment per m3 of placed concrete for completely perform	med wor	rk		
	13.4.1	Plain concrete				
08.12.02.01	13.4.1.3	Blinding layer, 10 cm thick, made of concrete, class I MB				
	additional	15 under foundation, pile caps and crossing slabs.				
	specifications		m ³	108.50		
	13.4.3	Reinforced concrete constructions				
08.12.02.02	13.4.3.1	Strip foundations, foundations for wings, counter-beams,				
		slab foundations, cushions and pile caps made of				
		reinforced concrete, class III MB 30, M-150, V-6.				
	1		m ³	500.00		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
	13.4.3.2	Piers supporting plain spanning constructions of	1			
		different systems and bearing beams				
08.12.02.03	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30,	2			
		M-150, V-6.	m ³	345.50		
08.12.02.04	13.4.3.2	Abutment wing walls made of concrete, class II, MB 30,	3			
		M-150, V-6.	m ³	15.20		
08.12.02.05	13.4.3.2	Pedestrian cantilever walkway at abutment wing walls				
		constructed of concrete, class II, MB 30, M-150, V-6.	m ³	1.10		
00.10.00.07	10.100		m	1.10		
08.12.02.06	13.4.3.2	Wing walls constructed of reinforced concrete, class II	m ³	201.20		
		MB 30, M-150, V-6	m	204.20		
	13.4.3.3	Spanning bridge construction of reinforced concrete				
00.10.00.07	10.4.0.0					
08.12.02.07	13.4.3.3	Main plate girder made of reinforced concrete class II,	m ³	216.10		
00.10.00.00	12 4 2 4	MB 30, M-150,V-6.	m	316.10		
08.12.02.08	13.4.3.4	Cornices at footway level (including inspection manholes)				
		cast in situ. Concrete class II MB 30, M-150, V-6	m ³	25.20		
00.12.02.00	12.4.2.5		m	25.20		
08.12.02.09	13.4.3.5	Crossing slabs made of concrete MB 30, M-150, V-6	m ³	C1 95		
				64.85		
			Т	OTAL CONCE	RETE WORKS:	
08.12.03.	13.5	METALWORK			*	
		Reinforcing bars in concrete members and construction	ns			
		* The price includes procurement, cutting, bending and				
		fixing of reinforcing bars in the construction, fully as				
		designed.				
08.12.03.01	13.5.1	Ribbed rebars RA 400/500-2				
			kg	171,411.61		
				TOTAL N	IETAL WORK	
08.12.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
08.12.04.	13.1	This shall apply to all items of finishing works:	1			
		* The price includes procurement, construction and				
00.10.04.01	12 10 1	installation as designed.	 			
08.12.04.01	13.10.1	Concrete or stone curbs		01.60		
00 12 04 02	12 10 2	along the highway, 13/20 MB 40	m'	81.60		
08.12.04.02	13.10.2	Insulating coat on pavement top	m ²	201 40		
00 12 04 02	12 10 2		m	381.40		
08.12.04.03	13.10.3	Applying one layer of bitulite and one layer of hot				
		bitumen onto concrete surfaces in contact with earth.	m ²	1 907 50		
08 12 04 04	12 10 4	Dituring and have a sume DNILS 16A 5 and	m	1,806.50		
08.12.04.04	13.10.4	Bituminous pavement base course, BNHS 16A, 5 cm	m ²	202 70		
09 12 04 05	12 10 4	thick	m	303.70		
08.12.04.05	13.10.4	Pavement wearing course of skeleton mastic asphalt	2	202 70		
		SMA 0/11S, 4cm thick	m ²	303.70		
			1			
08.12.04.06	13.10.5	Trial loading of constructed bridge.				
08.12.04.06	13.10.5			lump su	m	
08.12.04.06 08.12.04.07	13.10.5 13.10.6	Photographing during bridge construction		•		
08.12.04.07	13.10.6			lump su lump su		
		Photographing during bridge construction		•		
08.12.04.07	13.10.6	Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing		•		
08.12.04.07	13.10.6	Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices		lump su		
08.12.04.07 08.12.04.08	13.10.6 13.10.8	Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing	m'	•		
08.12.04.07	13.10.6	Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit') on asphalt next to curbs and cornices at footway level and next to expansion joints		lump su 154.00		
08.12.04.07 08.12.04.08 08.12.04.09	13.10.6 13.10.8 13.11.1	 Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm 	m' m'	lump su		
08.12.04.07 08.12.04.08	13.10.6 13.10.8	Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit') on asphalt next to curbs and cornices at footway level and next to expansion joints	m'	lump su 154.00 280.00		
08.12.04.07 08.12.04.08 08.12.04.09 08.12.04.10	13.10.6 13.10.8 13.11.1 13.11.2	 Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways 		lump su 154.00		
08.12.04.07 08.12.04.08 08.12.04.09	13.10.6 13.10.8 13.11.1 13.11.2 13.11.6	 Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm 	m'	lump su 154.00 280.00		
08.12.04.07 08.12.04.08 08.12.04.09 08.12.04.10	13.10.6 13.10.8 13.11.1 13.11.2	 Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways 	m' m ²	lump su 154.00 280.00 101.60		
08.12.04.07 08.12.04.08 08.12.04.09 08.12.04.10	13.10.6 13.10.8 13.11.1 13.11.2 13.11.6 additional specifications	 Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways Crashed stone revetment 	m'	lump su 154.00 280.00		
08.12.04.07 08.12.04.08 08.12.04.09 08.12.04.10	13.10.6 13.10.8 13.11.1 13.11.2 13.11.6 additional	 Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways 	m' m ²	lump su 154.00 280.00 101.60		
08.12.04.07 08.12.04.08 08.12.04.09 08.12.04.10 08.12.04.11	13.10.6 13.10.8 13.11.1 13.11.2 13.11.6 additional specifications	 Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways Crashed stone revetment 	m' m ² m ³	lump su 154.00 280.00 101.60		
08.12.04.07 08.12.04.08 08.12.04.09 08.12.04.10 08.12.04.11	13.10.6 13.10.8 13.11.1 13.11.2 13.11.6 additional specifications 13.11.8	 Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways Crashed stone revetment 	m' m ²	lump su 154.00 280.00 101.60		

SUMMARY - BRIDGE AT km 883+576.495	
08.12.01 EARTH WORKS	
08.12.02 CONCRETE	
08.12.03 METALWORK	
08.12.04 FINISHING AND SUNDRY WORKS ON BRIDGES	
TOTAL BRIDGE AT km 883+576.495:	

08.13. BRIDGE AT km 884+958.430 Item No. Unit Total Work Description **Ouantity Unit Price** T.S. EARTH WORKS 08.13.01 13.2 Excavation for foundations Excavation of foundations in II and III category soil and 08.13.01.01 13.2.1 transport of earth to distance of 500 m. Payment per m³ of excavated earth - at depth of 2-4 m $m^{3} \\$ 3,508.00 08.13.01.02 13.2.4 Backfilling of pier foundations with earth in 30 cm thick layers including compaction of layers to modulus of compressibility Ms=30 MPa. \underline{m}^3 Payment per m³ of compacted earth. 1,530.00 08.13.01.03 13.2.5 Construction of wedge made of well-graded gravel compacted in 30 cm thick layers to modulus of compressibility Ms=40 MPa. It shall be constructed behind the abutments. Payment per m³ of compacted gravel. m³ 716.90 08.13.01.04 13.2.8 Construction of end slope of material from the cutting or additional borrow pit including mechanical compaction in 30 cm thick layers, fully as designed. specifications Payment per m3 of compacted material. m³ 538.50 Construction of Ø120 cm piles with concrete, class MB 08.13.01.05 13.4.2 30, M-150, V-3. Payment per m' of completed pile. m' 720.00 TOTAL EARTH WORKS: 08.13.02. 13.4 CONCRETE This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibrating. * Reinforcing bars shall be paid separately, except for bored piles. * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m3 of placed concrete for completely performed work 13.4.1 Plain concrete 08.13.02.01 13.4.1.3 Blinding layer, 10 cm thick, made of concrete, class I MB additional 15 under foundation, pile caps and crossing slabs. m^3 107.55 specifications 13.4.3 **Reinforced concrete constructions** 08.13.02.02 13431 Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. m^3 1,334.60 13.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams 08.13.02.03 13.4.3.2 Abutment bodies constructed of concrete, class II, MB 30, m^3 321.80 M-150. V-6 08.13.02.04 13432 Abutment wing walls made of concrete, class II, MB 30, m^3 97.40 M-150. V-6 08.13.02.05 13.4.3.2 Abutment parapets constructed of concrete, class II, MB m^3 78.20 30, M-150, V-6. 08.13.02.06 13.4.3.2 Pedestrian cantilever walkway at abutment wing walls constructed of concrete, class II, MB 30, M-150, V-6. m^3 17.50 08.13.02.07 13.4.3.2 Masking covers of abutments and middle piers made of m³ 8.88 concrete, class II, MB 30, M-150, V-6. 08.13.02.08 13.4.3.2 Middle pier bodies constructed of concrete, class II, MB m^3 244.80 30, M-150, V-6. 08.13.02.09 13.4.3.2 Bearing beams of middle piers made of concrete, class II, m³ 241.30 MB 30, M-150, V-6 08.13.02.10 13.4.3.2 Abutment and middle pier caps made of concrete, class II, m³ 11.56 MB 40, M-150, V-6 08.13.02.11 13.4.3.2 Wing walls constructed of reinforced concrete, class II m³ 95.90 MB 30, M-150, V-6 13.4.3.3 Spanning bridge construction of reinforced concrete 08.13.02.12 13.4.3.3 Cross girders made of reinforced concrete, class II, MB m³ 220.00 50, M-150, V-6. 08.13.02.13 13.4.3.3 Bridge deck over prefabricated girders made of reinforced m³ 948.30 concrete, class II, MB 50, M-150, V-6. 08.13.02.14 13.4.3.4 Cornices at footway level (including inspection manholes) cast in situ. Concrete class II MB 40, M-150, V-6 m³ 152.80 08.13.02.15 Crossing slabs made of concrete MB 30, M-150, V-6 13.4.3.5 m^3 42.10 08.13.02.16 13.4.3.4 Masking covers of cornices at footway level made of m^3 45.40 concrete, class II, MB 45, M-150, V-8

1-215

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
	13.4.4	Prestressed bridge constructions				
08.13.02.17	13.4.4	Prefabricated main girders made of prestressed concrete, class II MB 50. M-150. V-3	m ³	984.00		
		euss ii wii 50, wi 150, vi 5			RETE WORKS:	
08.13.03.	13.5	METALWORK				
08.13.03.	15.5	Reinforcing bars in concrete members and constructio	20			
		* The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as	ns			
		designed.				
08.13.03.01	13.5.1	Ribbed rebars RA 400/500-2	kg	877,876.80		
	1250	Metal works in prestressed concrete		*		
00 12 02 02	13.5.2	* The price includes procurement, fixing and tensioning.	1			
08.13.03.02	13.5.2	Patented high-strength prestressing strands with all		65 260 00		
00 12 02 02	12.6	anchors, base plates and protective tubes for cables	kg	65,368.00		
08.13.03.03	13.6	Expansion joints - procurement and installation as		52.00		
09 12 02 04	13.7	designed MT-100. gullies of cast iron, procurement and installation as	m'	52.00		
08.13.03.04	15.7	designed				
		S9	pc.	16.00		
	13.8	Steel bridge fences:	pc.	10.00		
08.13.03.05	13.8.2	- tubular fences or fences made of steel sections				
00.15.05.05	15.6.2	tubular reflects of reflects filade of steel sections	kg	315.00		
08.13.03.06	13.9	Bridge bearings	кg	515.00		
00.15.05.00	15.9					
		NAL-b-350x450x85	pc.	16.00		
		NAL-0-330x430x83	pc.	10.00		
		NAL-f-450x600x85	pc.	24.00		
		IVAL-1-450X000X85	pe.		TETAL WORK	
				IOTAL	METAL WORK	
08.13.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and install	ation as	designed.		
08.13.04.01	13.10.1	Concrete or stone curbs				
		along the highway, 13/20 MB 40	m'	630.00		
08.13.04.02	13.10.2	Insulating coat on pavement top				
			m ²	3,024.00		
08.13.04.03	13.10.3	Applying one layer of bitulite and one layer of hot				
		bitumen onto concrete surfaces in contact with earth.				
			m ²	667.00		
08.13.04.04	13.10.4	Bituminous pavement base course, BNHS 16A, 5 cm				
		thick	m ²	2,924.00		
08.13.04.05	12 10 4					
08.13.04.03	13.10.4	Pavement wearing course of skeleton mastic asphalt				
08.13.04.03	13.10.4	Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick	m ²	2,924.00		
08.13.04.05		SMA 0/11S, 4cm thick	m ²	2,924.00		
	13.10.4	5	m ²		ım l	
		SMA 0/11S, 4cm thick Trial loading of constructed bridge.	m ²	2,924.00 lump su	ım	
08.13.04.06	13.10.5	SMA 0/11S, 4cm thick	m ²	lump su		
08.13.04.06	13.10.5	SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction	m ²			
08.13.04.06 08.13.04.07	13.10.5 13.10.6	SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing	m ²	lump su		
08.13.04.06 08.13.04.07	13.10.5 13.10.6	 SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices 	m ²	lump su		
08.13.04.06 08.13.04.07	13.10.5 13.10.6	SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing		lump su		
08.13.04.06 08.13.04.07 08.13.04.08	13.10.5 13.10.6 13.10.8	 SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints 	m ²	lump su		
08.13.04.06 08.13.04.07	13.10.5 13.10.6	 SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices 		lump su lump su 1,312.00		
08.13.04.06 08.13.04.07 08.13.04.08 08.13.04.09	13.10.5 13.10.6 13.10.8 13.11.1	 SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm 		lump su		
08.13.04.06 08.13.04.07 08.13.04.08	13.10.5 13.10.6 13.10.8	 SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints 	m'	lump su lump su 1,312.00 472.00		
08.13.04.06 08.13.04.07 08.13.04.08 08.13.04.09 08.13.04.10	13.10.5 13.10.6 13.10.8 13.11.1 13.11.2	 SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways 		lump su lump su 1,312.00		
08.13.04.06 08.13.04.07 08.13.04.08 08.13.04.09	13.10.5 13.10.6 13.10.8 13.11.1 13.11.2 13.11.8	 SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm 	m'	lump su lump su 1,312.00 472.00		
08.13.04.06 08.13.04.07 08.13.04.08 08.13.04.09 08.13.04.10	13.10.5 13.10.6 13.10.8 13.11.1 13.11.2 13.11.8 additional	 SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways 	m' m' m ²	lump su lump su 1,312.00 472.00 725.00		
08.13.04.06 08.13.04.07 08.13.04.08 08.13.04.09 08.13.04.10 08.13.04.11	13.10.5 13.10.6 13.10.8 13.11.1 13.11.2 13.11.8 additional specifications	 SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways Construction of cementitious grouting mortar beds 	m'	lump su lump su 1,312.00 472.00		
08.13.04.06 08.13.04.07 08.13.04.08 08.13.04.09 08.13.04.10 08.13.04.11	13.10.5 13.10.6 13.10.8 13.11.1 13.11.2 13.11.8 additional specifications 13.11.9	 SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways Construction of cementitious grouting mortar beds Steel plates embedded in girder at points where girders 	m' m' m ²	lump su lump su 1,312.00 472.00 725.00		
08.13.04.06 08.13.04.07 08.13.04.08 08.13.04.09 08.13.04.10	13.10.5 13.10.6 13.10.8 13.11.1 13.11.2 13.11.8 additional specifications 13.11.9 additional	 SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways Construction of cementitious grouting mortar beds 	m' m' m ² m ²	lump su lump su 1,312.00 472.00 725.00 28.16		
08.13.04.06 08.13.04.07 08.13.04.08 08.13.04.09 08.13.04.10 08.13.04.11 08.13.04.12	13.10.5 13.10.6 13.10.8 13.11.1 13.11.2 13.11.8 additional specifications 13.11.9 additional specifications	 SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways Construction of cementitious grouting mortar beds Steel plates embedded in girder at points where girders rest on bearings. 	m' m' m ² kg	lump su lump su 1,312.00 472.00 725.00		
08.13.04.06 08.13.04.07 08.13.04.08 08.13.04.09 08.13.04.10 08.13.04.11	13.10.5 13.10.6 13.10.8 13.11.1 13.11.2 13.11.8 additional specifications 13.11.9 additional	 SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways Construction of cementitious grouting mortar beds Steel plates embedded in girder at points where girders rest on bearings. Cast iron pipes for gully water discharge including all 	m' m' m ² kg	lump su lump su 1,312.00 472.00 725.00 28.16 1,100.00		
08.13.04.06 08.13.04.07 08.13.04.08 08.13.04.09 08.13.04.10 08.13.04.11 08.13.04.12	13.10.5 13.10.6 13.10.8 13.11.1 13.11.2 13.11.8 additional specifications 13.11.9 additional specifications	 SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways Construction of cementitious grouting mortar beds Steel plates embedded in girder at points where girders rest on bearings. 	m' m' m ² kg m'	lump su lump su 1,312.00 472.00 725.00 28.16 1,100.00 108.00		

SUMMARY - BRIDGE AT km 884+958.430	
08.13.01 EARTH WORKS	
08.13.02 CONCRETE	
08.13.03 METALWORK	
08.13.04 FINISHING AND SUNDRY WORKS ON BRIDGES	
TOTAL BRIDGE AT km 884+9	58.430:

08.14. BRIDGE AT km 885+445.066 Unit Total Item No. T.S. Work Description **Ouantity Unit Price** EARTH WORKS 08.14.01 13.2 Excavation for foundations Excavation of foundations in II and III category soil and 08.14.01.01 13.2.1 transport of earth to distance of 500 m. Payment per m³ of excavated earth - at depth of 0-2 m m³ 867.00 m^3 - at depth of 2-4 m 818.00 m^3 - at depth of 4-6 m 713.00 Extra for excavation of foundations with pumping of 30 08.14.01.02 13.2.2 m³ 1,500.00 lit/min - 120 lit/min water. 08.14.01.03 Backfilling of pier foundations with earth in 30 cm thick 13.2.4 layers including compaction of layers to modulus of compressibility Ms=30 MPa. Payment per m³ of compacted earth. m^3 433.30 08.14.01.04 13.2.5 Construction of wedge made of well-graded gravel compacted in 30 cm thick layers to modulus of compressibility Ms=40 MPa. It shall be constructed behind the abutments. Payment per m³ of compacted gravel. m³ 461.00 Placing 80 cm thick cover protecting a gravel wedge made 08.14.01.05 13.2.9 of gravel sand where top 30 cm shall be stabilized with additional specifications cement and bottom 50 cm compacted in two layers to modulus of compressibility Ms=40 MPa. m^3 Payment per m³ of compacted gravel. 81.00 TOTAL EARTH WORKS: 08.14.02. 13.4 CONCRETE This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibrating. * Reinforcing bars shall be paid separately, except for bored piles. * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m3 of placed concrete for completely performed work 13.4.1 Plain concrete 08.14.02.01 13.4.1.3 Blinding layer, 10 cm thick, made of concrete, class I MB additional 15 under foundation, pile caps and crossing slabs. m^3 44.00 specifications 13.4.3 **Reinforced concrete constructions** 08.14.02.02 13.4.3.1 Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. m^3 79.70 13.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams 08.14.02.03 13.4.3.2 Abutment bodies constructed of concrete, class II, MB 30, m^3 99.70 M-150, V-6 08.14.02.04 13.4.3.2 Abutment wing walls made of concrete, class II, MB 30, m³ 20.30 M-150, V-6 08 14 02 05 13432 Pedestrian cantilever walkway at abutment wing walls constructed of concrete, class II, MB 30, M-150, V-6. m³ 2.13 13.4.3.3 Spanning bridge construction of reinforced concrete 08.14.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, m³ MB 30, M-150, V-6 85.70 08.14.02.07 13.4.3.4 Cornices at footway level (including inspection manholes) cast in situ. Concrete class II MB 30, M-150, V-6 m³ 13.10 Crossing slabs made of concrete MB 35, M-150, V-6 08.14.02.08 13.4.3.5 m^3 50.40 TOTAL CONCRETE WORKS: METALWORK 08.14.03. 13.5 Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. 08.14.03.01 13.5.1 Ribbed rebars RA 400/500-2 kg 50,905.44 TOTAL METAL WORK

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.14.04.	13.10	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
		installation as designed.				
08.14.04.01	13.10.1	Concrete or stone curbs				
		along the highway, 13/20 MB 40	m'	44.00		
08.14.04.02	13.10.2	Insulating coat on pavement top	m ²	190.10		
08.14.04.03	13.10.3	Applying one layer of bitulite and one layer of hot				
		bitumen onto concrete surfaces in contact with earth.				
			m ²	550.00		
08.14.04.04	13.10.4	Bituminous pavement base course, BNHS 16A, 5 cm				
		thick	m ²	141.00		
08.14.04.05	13.10.4	Pavement wearing course of skeleton mastic asphalt				
		SMA 0/11S, 4cm thick	m^2	141.00		
08.14.04.06	13.10.5	Trial loading of constructed bridge.			!	
0011 110 1100	1011010			lump su	ım	
08.14.04.07	13.10.6	Photographing during bridge construction				
				lump su	ım	
08.14.04.08	13.10.8					
		Fitting and sealing joints with elastic bituminous sealing				
		compound ('livobit) on asphalt next to curbs and cornices				
		at footway level and next to expansion joints	m'	88.00		
08.14.04.09	13.11.1					
		Laying PVC pipes into footways (cat walks), Ø110 mm	m'	180.00		
08.14.04.10	13.11.2	Epoxy and polyurethane preservative on footways				
			m ²	47.10		
08.14.04.11	13.11.6	Crashed stone revetment				
	additional					
	specifications		m ³	40.00		
08.14.04.12	13.11.8	Construction of cementitious grouting mortar beds				
	additional					
	specifications		m ²	9.70		
		TOTAL FINISHING AN	ID SUN	DRY WORKS	ON BRIDGES	

SUMMARY - BRIDGE AT km 885+445.066		
08.14.01 EARTH WORKS		
08.14.02 CONCRETE		
08.14.03 METALWORK		
08.14.04 FINISHING AND SUNDRY WORKS ON BRIDGES		
	TOTAL BRIDGE AT km 885+445.066:	

08.16. TOP SLAB CULVERT AT km 884+067.303 (UNDER THE HIGHWAY)

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.16.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.16.01.01	13.2.1	Excavation of foundations in IV category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	442.96		
		- at depth of 2-4 m	m ³	188.50		
				100.50		
		- at depth of 4-6 m	m ³	67.02		
08.16.01.02	13.2.5	Construction of wedge made of well-graded gravel				
		compacted in 30 cm thick layers to modulus of				
		compressibility Ms=40 MPa. It shall be constructed				
		behind the abutments.				
		Payment per m ³ of compacted gravel.	m ³	373.32		
08.16.01.03	13.2.7	Placing the sub-base made of gravel and sand in 30 cm				
	additional	thick layers under foundation including compaction of				
	specifications	layers to modulus of compressibility Ms=30 MPa.				
		Payment per m ³ of compacted gravel.	m ³	62.69		
				TOTAL EA	ARTH WORKS:	
08.16.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted b		ng.		
		* Reinforcing bars shall be paid separately, except for bor	ed piles.			
		* Cables shall be paid separately.				
		* The price of concrete includes formwork and scaffold.				
		* Payment per m ³ of placed concrete for completely perfo	rmed wo	rk		4.040

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
	13.4.1	Plain concrete	L			
08.16.02.01	13.4.1.3	Blinding layer, 15 cm thick, made of concrete, class I MB				
	additional	15 under foundation, pile caps and crossing slabs.	m ³	26.06		
09.16.02.02	specifications	Commente la constructione LMB 20	m	26.06		
08.16.02.02	13.1.4.1 additional	Concrete layer for slope. Concrete class I MB 20.				
	specifications		m ³	49.30		
08.16.02.03	13.1.4.2		m	47.50		
00110102100	additional	Protective concrete over waterproofing layer (MB20,				
	specifications	5cm) with galvanized mesh.	m ²	188.10		
	13.4.3	Reinforced concrete constructions				
08.16.02.04	13.4.3.1	Strip foundations, foundations for wings, counter-beams,				
		slab foundations, cushions and pile caps made of				
		reinforced concrete, class III MB 30, M-150, V-6.	m ³	51.14		
	12422	Piers supporting plain spanning constructions of	m	51.14		
	13.4.3.2	different systems and bearing beams				
08.16.02.05	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30,				
00.10.02.05	15.4.5.2	M-150, V-6.	m ³	100.96		
08.16.02.06	13.4.3.2	Abutment wing walls made of concrete, class II, MB 30,				
		M-150, V-6.	m ³	6.35		
	13.4.3.3	Spanning bridge construction of reinforced concrete				
08.16.02.07	13.4.3.3	Main plate girder made of reinforced concrete class II,	3			
00 1 6 02 00	10 1 0 1	MB 30, M-150, V-6.	m ³	44.47		
08.16.02.08	13.4.3.4	Cornices at footway level (including inspection manholes)				
		cast in situ. Concrete class II MB 30, M-150, V-6	m ³	6.31		
					RETE WORKS:	
			1	UTAL CONCI	LIE WORKS:	
08.16.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and construction	ns			
		* The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as				
		designed.				
08.16.03.01	13.5.1					
08.16.03.01	13.5.1	Ribbed rebars RA 400/500-2	kg	21,817.24		
08.16.03.01	13.5.1 13.8		kg	21,817.24		
08.16.03.01 08.16.03.02		Ribbed rebars RA 400/500-2	kg kg	21,817.24 16.00		
	13.8	Ribbed rebars RA 400/500-2 Steel bridge fences:		16.00	METAL WORK	
	13.8	Ribbed rebars RA 400/500-2 Steel bridge fences:		16.00	METAL WORK	
08.16.03.02	13.8 13.8.3	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections		16.00	летаl work	
08.16.03.02	13.8 13.8.3	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and		16.00	METAL WORK	
08.16.03.02 08.16.04	13.8 13.8.3 13.1	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed.		16.00	METAL WORK	
08.16.03.02	13.8 13.8.3	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and	kg	16.00 TOTAL N	METAL WORK	
08.16.03.02 08.16.04 08.16.04.01	13.8 13.8.3 13.1 13.10.2	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top		16.00	METAL WORK	
08.16.03.02 08.16.04	13.8 13.8.3 13.1	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot	kg	16.00 TOTAL N	METAL WORK	
08.16.03.02 08.16.04 08.16.04.01	13.8 13.8.3 13.1 13.10.2	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top	kg m ²	16.00 TOTAL N 200.00	METAL WORK	
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02	13.8 13.8.3 13.1 13.10.2 13.10.3	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth.	kg	16.00 TOTAL N	METAL WORK	
08.16.03.02 08.16.04 08.16.04.01	13.8 13.8.3 13.1 13.10.2	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot	kg m ²	16.00 TOTAL N 200.00 523.73		
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02	13.8 13.8.3 13.1 13.10.2 13.10.3	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth.	kg m ²	16.00 TOTAL N 200.00		
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02 08.16.04.03	13.8 13.8.3 13.1 13.10.2 13.10.3 13.10.5	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge.	kg m ²	16.00 TOTAL N 200.00 523.73	m	
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02 08.16.04.03	13.8 13.8.3 13.1 13.10.2 13.10.3 13.10.5	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction	kg m ²	16.00 TOTAL N 200.00 523.73 lump su	m	
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02 08.16.04.03 08.16.04.04	13.8 13.8.3 13.1 13.10.2 13.10.3 13.10.5 13.10.6	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing	kg m ²	16.00 TOTAL N 200.00 523.73 lump su	m	
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02 08.16.04.03 08.16.04.04	13.8 13.8.3 13.1 13.10.2 13.10.3 13.10.5 13.10.6	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices	kg m ² m ²	16.00 TOTAL N 200.00 523.73 lump su lump su	m	
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02 08.16.04.03 08.16.04.04 08.16.04.05	13.8 13.8.3 13.1 13.10.2 13.10.3 13.10.5 13.10.6 13.10.8	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints	kg m ²	16.00 TOTAL N 200.00 523.73 lump su	m	
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02 08.16.04.03 08.16.04.04	13.8 13.8.3 13.1 13.10.2 13.10.3 13.10.5 13.10.6 13.10.8 13.11.6	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices	kg m ² m ²	16.00 TOTAL N 200.00 523.73 lump su lump su	m	
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02 08.16.04.03 08.16.04.04 08.16.04.05	13.8 13.8.3 13.1 13.10.2 13.10.3 13.10.5 13.10.6 13.10.8 13.11.6 additional	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints	kg m ² m ²	16.00 TOTAL N 200.00 523.73 lump su lump su 13.50	m	
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02 08.16.04.03 08.16.04.04 08.16.04.05 08.16.04.06	13.8 13.8.3 13.1 13.10.2 13.10.3 13.10.5 13.10.6 13.10.6 13.10.8 13.11.6 additional specifications	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Crashed stone revetment	kg m ² m ²	16.00 TOTAL N 200.00 523.73 lump su lump su	m	
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02 08.16.04.03 08.16.04.04 08.16.04.05	13.8 13.8.3 13.1 13.10.2 13.10.3 13.10.5 13.10.6 13.10.6 13.10.8 13.11.6 additional specifications 13.11.15	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints	kg m ² m ²	16.00 TOTAL N 200.00 523.73 lump su lump su 13.50	m	
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02 08.16.04.03 08.16.04.04 08.16.04.05 08.16.04.06	13.8 13.8.3 13.1 13.10.2 13.10.3 13.10.5 13.10.6 13.10.6 13.10.8 13.11.6 additional specifications 13.11.15 additional	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Crashed stone revetment	kg m ² m ²	16.00 TOTAL N 200.00 523.73 lump su lump su 13.50	m	
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02 08.16.04.03 08.16.04.04 08.16.04.05 08.16.04.06	13.8 13.8.3 13.1 13.10.2 13.10.3 13.10.5 13.10.6 13.10.6 13.10.8 13.11.6 additional specifications 13.11.15	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Crashed stone revetment	kg m ² m ²	16.00 TOTAL N 200.00 523.73 lump su lump su 13.50	m	
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02 08.16.04.03 08.16.04.04 08.16.04.05 08.16.04.06	13.8 13.8.3 13.1 13.10.2 13.10.3 13.10.5 13.10.6 13.10.6 13.10.8 13.11.6 additional specifications 13.11.15 additional	Ribbed rebars RA 400/500-2 Steel bridge fences: - tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Crashed stone revetment	kg m ² m ² m ² m ³ m'	16.00 TOTAL N 200.00 523.73 lump su lump su 13.50 34.80 31.60	Im Im	
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02 08.16.04.03 08.16.04.04 08.16.04.05 08.16.04.06 08.16.04.07	13.8 13.8.3 13.1 13.10.2 13.10.2 13.10.3 13.10.5 13.10.6 13.10.6 13.10.8 13.11.6 additional specifications 13.11.15 additional specifications	Ribbed rebars RA 400/500-2 Steel bridge fences: tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Crashed stone revetment Fugeband" tapes for sealing concrete conections	kg m ² m ² m ² m ³ m'	16.00 TOTAL N 200.00 523.73 lump su lump su 13.50 34.80 31.60	Im Im	
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02 08.16.04.03 08.16.04.04 08.16.04.05 08.16.04.06	13.8 13.8.3 13.1 13.10.2 13.10.3 13.10.5 13.10.6 13.10.6 13.10.8 13.11.6 additional specifications 13.11.15 additional	Ribbed rebars RA 400/500-2 Steel bridge fences: tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Crashed stone revetment Fugeband" tapes for sealing concrete conections TOTAL FINISHING AN PRELIMINARY WORKS	kg m ² m ² m ² m ³ m'	16.00 TOTAL N 200.00 523.73 lump su lump su 13.50 34.80 31.60	Im Im	
08.16.03.02 08.16.04 08.16.04.01 08.16.04.02 08.16.04.03 08.16.04.04 08.16.04.05 08.16.04.06 08.16.04.07 08.16.04.07	13.8 13.8.3 13.1 13.10.2 13.10.3 13.10.5 13.10.6 13.10.6 13.10.8 13.11.6 additional specifications 13.11.15 additional specifications	Ribbed rebars RA 400/500-2 Steel bridge fences: tubular fences or fences made of steel sections FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Crashed stone revetment Fugeband" tapes for sealing concrete conections	kg m ² m ² m ² m ³ m'	16.00 TOTAL N 200.00 523.73 lump su lump su 13.50 34.80 31.60	m m ON BRIDGES:	

SUMMARY TOP SLAB CULVERT AT km 884+067.303 (UNDER THE HIGHWAY)	
08.16.01 EARTH WORKS	
08.16.02 CONCRETE	
08.16.03 METALWORK	
08.16.04 FINISHING AND SUNDRY WORKS ON BRIDGES	
08.16.05 PRELIMINARY WORKS	
TOTAL TOP SLAB CULVERT km 884+167.303 (UNDER THE HIGHWAY):	

08.16. TOP SLAB CULVERT AT km 884+067.303 (part under main road with inlect structure)

Name Execution of foundations: In V usegery soil and massery of excavated earth 08.16.01.01 13.2.1 Execution of foundations: In V usegery soil and massery of excavated earth -a depth of 0-2 m m ⁻¹ 382.96 -a depth of 0-4 m m ⁻¹ 382.96 -at depth of 0-4 m m ⁻¹ 410.72 -at depth of 4-6 m m ⁻¹ 410.72 -at depth over 6 m m ⁻¹ 410.72 -at depth over 6 m m ⁻¹ 731.84 Construction of wedge made of well-graded gravel compacted in 30 cm thick layers to mobulus of compressibility M=400 MPa. It shall be constructed behind the abuments. Payment per m ⁻¹ of compacted gravel. m ⁻¹ 220.50 08.16.01.03 13.2.7 Payment per m ⁻¹ of compacted gravel. m ⁻¹ 46.85 TOTAL EXETH WORKS: OR 16.02 13.4.1 CONCRETE TOTAL EXETH WORKS: OR 16.02.01 13.4.1 Shill apply to all items: * Concrete shull be piad separately, every for bood piles. * Cables shall be piad separately, every for bood piles. * Cables shall be piad separately, every for bood piles. * Cables shall be piad separately, every for bood piles. * Cables shall be piad separately, every for bood piles. * Cables shall be piad separately, every for bood piles. * Cables shall be piad	Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.16.01.01 13.2.1 Excavation of familations in N congrays vali and many payment per m ³ of excavated earth $+ at depth of 0.2 \text{ m}$ m ³ 382.96 0.8.16.01.02 13.2.5 Construction of wedge made of well-graded gravel $-at depth of 2.4 \text{ m}$ m ³ 410.72 - at depth of 2.4 m m ³ 410.72 - at depth of 4.6 m m ³ 7.31.84 08.16.01.02 13.2.5 Construction of wedge made of well-graded gravel compacted in 30 cm thick layes to modulus of compacted in 30 cm thick layes nucl condition in clufting compaction of algorith layes well show made of gravel and smal in 30 cm thick layes nucl condition in clufting compaction of algorith layes of the modulus of compressibility Ms=30 MPa. m ³ 46.85 08.16.01.01 13.4 CONCRETE This shall apply to all items: ** Reinforcing bars shall be piad separately. m ³ 46.85 08.16.02.01 13.4.1 Concrete shall be made separately. ** The price of concrete includes separately. *** *** 08.16.02.01 13.4.1 Concrete layer for slope. Concrete class IM B and separately. *** *** 08.16.02.01 13.4.1 Concrete layer for slope. Concrete class IM B 20. m ³ 35.70 <t< th=""><th>08.16.01.</th><th>13.2</th><th>EARTH WORKS</th><th></th><th></th><th></th><th></th></t<>	08.16.01.	13.2	EARTH WORKS				
maspert of earth to distance of 500 m. m ¹ 382.96 - at depth of 0-2 m m ¹ 382.96 - at depth of 2-4 m m ² 410.72 - at depth of 2-4 m m ² 410.72 - at depth of 2-4 m m ² 410.72 - at depth of 2-4 m m ² 410.72 - at depth of 2-4 m m ² 410.72 - at depth of 2-4 m m ² 731.84 - at depth of 2-4 m m ² 731.84 - at depth of 2-4 m m ² 731.84 - at depth of 2-4 m m ² 731.84 - at depth of 2-4 m m ² 731.84 - at depth of 2-4 m m ² 731.84 - at depth of 2-4 m m ² 731.84 - at depth of 2-4 m m ² 220.50 - at depth of about on thick layers to modulus of m ² 220.50 - at depth of about on thick layers to modulus of m ² 220.50 - at depth of about on protecid gravel. m ³ 46.85 - at about on protecid gravel. m ³ 46.85 <td></td> <td></td> <td>Excavation of foundations</td> <td></td> <td></td> <td></td> <td></td>			Excavation of foundations				
interpretation interpretation m² 382.96 interpretation m² 410.72 interpretation interpretation interpretation m² 410.72 interpretation interpretation interpretation m² 731.84 interpretation interpretation interpretation interpretation m² 220.50 interpretation interpretation m² 220.50 interpretation interpretation interpretation m² 220.50 interpretation interpretation interpretation m² 220.50 interpretation interpretation interpretation	08.16.01.01	13.2.1	Excavation of foundations in IV category soil and				
9 Psymem prm ³ of excavated earth - at depth of 2- m m ³ 382.96 - at depth of 2- m m ³ 410.72 - - at depth of 2-4 m m ³ 410.72 - - at depth of 2-4 m m ³ 410.72 - - at depth of 4-6 m m ³ 731.84 - - at depth of 4-6 m m ³ 731.84 - - at depth of 4-6 m m ³ 731.84 - - at depth of 4-6 m m ³ 731.84 - - at depth of 94-0 Mp at 1shall be constructed behind the abutments. m ³ 220.50 - - promershitly MS-40 MP at 1shall be constructed behind the abutments. m ³ 220.50 - - 15.2.7 Placing the sub-base made of gravel. m ³ 46.85 - - 08.16.02.0 13.4 CONCRETE To is shall apply to all items: + Concrete shall be paid separately, except for bored piles. + - 08.16.02.01 13.4.1.3 Minding layer, 15 on thick, made of concrete, class I MB - - 08.16.02.04 13.4.1.4 Concrete layer f							
98.16.01.02 13.2.5 -at depth of 2-4 m m ¹ 410.72 -at depth of 2-4 m m ² 410.72 -at depth of 4-6 m m ² 410.72 -at depth of 4-6 m m ² 410.72 -at depth of 4-6 m -at depth of 4-6 m m ² 410.72 -at depth of 2-4 m -at depth of 4-6 m -at depth of 4-6 m -at depth of 4-6 m m ² 371.84 -at depth of 2-4 m -at depth of 2-4 m -at depth of 2-4 m m ³ 731.84 -at depth of 2-4 m -at depth of 2-4 m -at depth of 2-4 m m ³ 731.84 -at depth of 2-4 m -at depth of 2-4 m -at depth of 0-2 m of thick layers to modulus of compressibility Ms=00 well-graded gravel. -at depth of 2-4 m -at depth of 2-4 m 08.16.01.03 13.2.7 Financing baseh-base made of gravel and sand in 30 m m ³ 220.50 94.16.02.01 13.4 CONCRETE							
08.16.01.02 13.2.5				3			
				m	382.96		
				3			
08.16.01.02 13.2.5			- at depth of 2-4 m	m	410.72		
08.16.01.02 13.2.5				2			
08.16.01.02 13.2.5 Construction of wedge made of well-graded gravel compacted in 30 cm hick layers to modulus of compressibility Ms=40 MPa. It shall be constructed behind the abutments. Payment per m ³ of compacted gravel. m ³ 220.50 08.16.01.03 13.2.7 Placing the sub-base made of gravel and sand in 30 cm inkick layers tomodulus of compressibility Ms=30 MPa. m ³ 46.85 TOTAL EARTH WORKS: 08.16.02.01 13.4 CONCRETE TotAL EARTH WORKS: CONCRETE This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibrating. * Reinforcing bars shall be paid separately, except for bored piles. * Colscence includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed work. 13.4.1 additional specifications 13.1.4.1 additional specifications 13.1.4.1 m ³ 35.70 08.16.02.02 13.4.3 Concrete layer for slope. Concrete class I MB 20. m ³ 35.70 08.16.02.04 13.4.3 Enforced concrete cover waterpoofing layer (MB20, m ² 138.60 138.60 08.16.02.05 13.4.3 Strip foundations, foundations foundations for wings, counter-beams, slap foundations foundations foundations of m ³ 35.70 138.60 134.			- at depth of 4-6 m	m ³	410.72		
08.16.01.02 13.2.5 Construction of wedge made of well-graded gravel compacted in 30 cm fack layers to modulus of compressibility Ms=40 MPa. It shall be constructed behind the abutments. Payment per m ³ of compacted gravel. m ³ 220,50 08.16.01.03 13.2.7 Placing the sub-base made of gravel and sand in 30 cm additional specifications m ³ 220,50 08.16.01.03 13.2.7 Placing the sub-base made of gravel and sand in 30 cm additional specifications m ³ 46.85 TOTAL EARTH WORKS: OR.16.02. 13.4 CONCRETE This shall apply to all items: Concrete shall be make geaparately, except for bored piles. Concrete shall be paid separately, except for bored piles. Concrete features formwork and scaffold. Payment per m³ of placed concrete for completely performed work Plain concrete Binding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. m² 21.46 08.16.02.01 13.4.1 Gonerete concrete could as a for wings, counter-beams, slab foundational specifications m ³ 35.70 13.14.2 Protective concrete constructions of different systems and pelic qas made of reinforced concrete, class I MB 20, m ³ 35.70 Scm) with galvanized mesh. m ³ 35.70 Scm) with galv							
$ 08.16.01.03 13.4.1 \\ 08.16.02.03 \\ 13.4.1 \\ 08.16.02.01 \\ 13.4.3.1 \\ 08.16.02.01 \\ 13.4.3.1 \\ 08.16.02.01 \\ 13.4.3.2 \\ 08.16.02.05 \\ 13.4.3.2 \\ 08.16.02.06 \\ 13.4.3.3 \\ 08.16.02.06 \\ 13.4.3$				m ³	731.84		
$ 08.16.01.03 \\ 13.2.7 \\ additional specifications \\ 13.4.7 \\ additional specifications \\ 13.4.3 \\ 13.4.3.1 \\ 13.4.3 \\ 13.4.3.2 \\ 13.4.3.3 \\ 13.4.3 \\ 14.4.0 \\ 14.4.0 \\ 14.4.0 \\ 14.4.0 \\ 14.4.0 \\ 14.4.0 \\ 14.4.0 \\ 14.4.0 \\ 14.4.0 \\ 14.4.0 \\ 14.4.0 \\ 14.4.0 \\ 14.4.0 \\ 14.4.0 \\ 14.4.0 \\ 14.4.$	08.16.01.02	13.2.5	Construction of wedge made of well-graded gravel				
08.16.01.03 isometric per m ³ of compacted gravel. m ³ 220.50 08.16.01.03 13.2.7 Placing the sub-base made of gravel and sand in 30 cm additional specifications m ³ 220.50 08.16.02.01 13.4 Payment per m ³ of compacted gravel. m ³ 46.85 TOTAL EARTH WORKS: ORS.16.02. 13.4 CONCRETE TOTAL EARTH WORKS: * Concrete shall be mixed mechanically and compacted by vibrating. * Concrete includes gravately, except for bored piles. * Concrete includes formwork and scaffold. * Payment per m ³ of placed concrete formored work. * Cables shall be paid separately, except for bored piles. * Cables shall be paid separately compared by vibrating. * Cables shall be paid separately. * The price informed work <td></td> <td></td> <td>compacted in 30 cm thick layers to modulus of</td> <td></td> <td></td> <td></td> <td></td>			compacted in 30 cm thick layers to modulus of				
08.16.01.03 isomethysical and interpret and of compacted gravel. m ³ /m ³ 220.50 08.16.01.03 13.2.7 additional specifications Placing the sub-base made of gravel and sand in 30 cm thick layers under foundation including compaction of layers to modulus of compressibility Ms=30 MPa. m ³ 220.50 08.16.02. 13.4 Payment per m ³ of compacted gravel. m ³ 46.85 08.16.02. 13.4 CONCRETE This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibrating. * Reinforcing bars shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed work. 98.16.02.01 13.14.1 Blinding layer. 15 cm thick, made of concrete, class 1 MB additional specifications m ² 21.46 08.16.02.03 13.14.1 Blinding layer. 15 cm thick, made of concrete, class 1 MB 20. m ² 35.70 08.16.02.04 13.14.1 additional specifications m ² 13.43 Scinp with galvanized mesh . m ² 13.84.0 08.16.02.05 13.14.2 additional specifications m ³ 35.70 10.50.6 08.16.02.04 13.14.3 Stirp foundations, foundations for wings, counter-beams, slab fou							
08.16.01.03 13.2.7 additional specifications Payment per m ³ of compacted gravel. m ³ 220.50 08.16.01.03 additional specifications Payment per m ³ of compacted gravel. m ³ 26.85 08.16.02. 13.4 Payment per m ³ of compacted gravel. m ³ 46.85 08.16.02. 13.4 CONCRETE This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibrating. * Reinforcing bars shall be paid separately. * Cables shall be paid separately. * Concrete shall be mixed mechanically and compacted by vibrating. * Cables shall be paid separately. * Cables shall be paid separately. * 08.16.02.01 13.4.1.1 Blinding layer, 15 cm thick, made of concrete, class I MB 20. * Payment per m ³ of placed concrete layer for slope. Concrete class I MB 20. * additional specifications m ³ 35.70 08.16.02.02 13.1.4.2 additional specifications Protective concrete over waterproofing layer (MB20, fcm) with glavanized mesh . m ³ 35.70 08.16.02.04 13.4.3.1 Reinforced concrete, class I MB 30, M-150, V-6. * m ³ m ³ 35.70 08.16.02.04 13.4.3.1 Strip foundations, foundations for wings, counter-beams, slab foundations, cushins and pile caps made of reinforced concrete, class II MB 30, M-150, V-6. * m ³ 138.4.3 Prers supporting plain s							
08.16.01.03 13.2.7 additional specifications Placing the sub-base made of gravel and sand in 30 cm thick layers to modulus of compressibility Ms=30 MPa. m ³ 46.85 TOTAL EARTH WORKS: 08.16.02. 13.4 CONCRETE TotAL EARTH WORKS: 08.16.02. 13.4.1 CONCRETE TotAL EARTH WORKS: 08.16.02. 13.4.1.3 Binding layers to module sparately, except for bored piles. * Concrete shall be mixed mechanically and compacted by vibrating. * Reinforcing bars shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of glace concrete, class IMB additional specifications 08.16.02.01 13.4.1.3 Binding layer, 15 cm thick, made of concrete, class I MB 20. m ² 21.46 08.16.02.03 13.1.4.2 Concrete layer for slope. Concrete class I MB 20. m ² 13.8.0 08.16.02.04 13.4.3.1 Strip foundations, foundations for wings, counter-beams, slab foundations, conshing and pile caps made of reinforced concrete, class I MB 30, M-150, V-6. m ³ 13.6.0 08.16.02.04 13.4.3.3 Reinforced concrete, class II MB 30, M-150, V-6. m ³ 106.96 08.16.02.05 13.4.3.3 Reinforced concrete, class II MB 30, M-150, V-6. m ³ 106.96					220.50		
additional specifications thick layers under foundation including compaction of layers to modulus of compressibility Ms=30 MPa. m ³ 46.85 08.16.02. 13.4 CONCRETE This shall apply to all items: * Concrete shall be paid separately, except for bored piles. * Cables shall be paid separately, except for bored piles. * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely performed work 98.16.02.01 13.4.1.3 additional specifications Binding layer, 15 cm thick, made of concrete, class I MB is under foundation, pile caps and crossing slabs. specifications m ² 21.46 08.16.02.02 13.1.4.1 additional specifications Reinforced concrete constructions m ² 13.8.00 08.16.02.04 13.4.3.1 additional specifications Reinforced concrete constructions m ² 138.60 08.16.02.04 13.4.3.1 additional specifications Reinforced concrete constructions m ² 138.60 08.16.02.05 13.4.3.1 additional specifications Reinforced concrete constructions m ² 138.60 08.16.02.04 13.4.3.1 additional specifications Reinforced concrete, class II MB 30, M-150, V-6. m ³ 106.96 08.16.02.05 13.4.3.2 additional shab foundations, cushins and pile caps made of reinforced concrete, class II, MB 30, M-150, V-6. <t< td=""><td></td><td>10.05</td><td></td><td>m</td><td>220.50</td><td></td><td></td></t<>		10.05		m	220.50		
specifications layers to modulus of compressibility Ms=30 MPa. m³ delta state 08.16.02. 13.4 CONCRETE TOTAL EARTH WORKS: 08.16.02. 13.4 CONCRETE This shall apply to all items: * Concrete shall be paid separately, except for bored piles. * Concrete shall be paid separately, except for bored piles. * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed work • Payment per m³ of placed concrete, class I MB specifications specifications specifications specifications 13.1.4.2 Binding layer, 15 cm thick, made of concrete, class I MB 20. m² 08.16.02.04 13.4.1.3 Binforced concrete oner waterproofing layer (MB20, Scm) with galvanized mesh . m² 138.60 08.16.02.05 13.4.3.1 Strip foundations, for slope. Concrete, class I MB 20. m³ 35.70 08.16.02.04 13.4.3.1 Strip foundations, foundations of wings, counter-beams, slab foundations, cushings and pile caps made of reinforced concrete, class I MB 30, M-150, V-6. m³ 106.96 08.16.02.05 13.4.3.3 Spanning bridge constructions of different systems and barring beams (bals foundations, cushings and pile caps made of reinforced concrete, class II MB 30, M-150, V-6. m³ 106.96 08.16.02.05 13.4.3.3 Spanning bridge construction of reinforced concrete class II MB 30, M-150, V-6. m³ 106.96 <td>08.16.01.03</td> <td></td> <td>6</td> <td></td> <td></td> <td></td> <td></td>	08.16.01.03		6				
Payment per m ³ of compacted gravel. m ³ 46.85 TOTAL EARTH WORKS: 08.16.02. 13.4 CONCRETE This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibrating. * Reinforcing bars shall be paid separately, except for borde piles. * Cables shall be paid separately. * Reinforcing bars shall be paid separately, except for borde piles. * Cables shall be paid separately. * 18.4.1 Plain concrete Plain concrete Plain concrete 08.16.02.01 13.4.1.3 Blinding layer, 15 cm thick, made of concrete, class I MB is specifications perifications m ² 21.46 08.16.02.02 13.1.4.1 Concrete layer for slope. Concrete class I MB 20. m ³ 35.70 08.16.02.03 13.4.3.1 Reinforced concrete constructions m ² 138.60 08.16.02.04 13.4.3.1 Reinforced concrete constructions m ³ 44.09 08.16.02.05 13.4.3.1 Reinforced concrete, class II MB 30, M-150, V-6. m ³ 44.09 08.16.02.05 13.4.3.3 Reinforced concrete, class II, MB 30, M-150, V-6. m ³ 44.09 08.16.02.06 13.4.3.3 Reinforced concrete, class II, MB 30, M-150, V-6. m ³ 44.09 08.16.02.06 13.4.3.3 Main plate grider made of reinforced concrete m ³ </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
OB.16.02. I3.4 CONCRETE This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibrating. * Reinforcing bars shall be paid separately, except for bored piles. * Cables shall be paid separately, except for bored piles. * Cables shall be paid separately, except for bored piles. * Cables shall be paid separately, except for bored piles. * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed work 08.16.02.01 13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.4.3.1 Blinding layer, 15 cm thick, made of concrete, class I MB 20. ************************************		specifications	layers to modulus of compressibility Ms=30 MPa.				
08.16.02. TOTAL EARTH WORKS: 08.16.02. 13.4 CONCRETE This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibrating. * Reinforcing bars shall be paid separately, except for bored piles. * Concrete shall be mixed mechanically and compacted by vibrating. 08.16.02.01 13.4.1.3 Blinding layer, 15 cm thick, made of concrete, class I MB m² 21.46 08.16.02.02 13.1.4.1 Blinding layer, 15 cm thick, made of concrete, class I MB 20. m² 13.4.1 08.16.02.03 13.1.4.1 Goncrete concrete cover waterproofing layer (MB20, Scm) with galvanized mesh. m² 138.60 08.16.02.04 13.4.3 Isafore concrete constructions m³ 35.70 08.16.02.04 13.4.3.1 Strip foundations, for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class II MB 30, M-150, V-6, m³ 44.09 08.16.02.06 13.4.3.2 Protective construction of reinforced concrete m³ 32.34 08.16.02.06 13.4.3.3 Spanning bridge construction of reinforced concrete m³ 32.34 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete m³ 32.34 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
08.16.02. TOTAL EARTH WORKS: 08.16.02. 13.4 CONCRETE This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibrating. * Reinforcing bars shall be paid separately, except for bored piles. * Concrete shall be mixed mechanically and compacted by vibrating. 08.16.02.01 13.4.1.3 Blinding layer, 15 cm thick, made of concrete, class I MB m² 21.46 08.16.02.02 13.1.4.1 Blinding layer, 15 cm thick, made of concrete, class I MB 20. m² 13.4.1 08.16.02.03 13.1.4.1 Goncrete concrete cover waterproofing layer (MB20, Scm) with galvanized mesh. m² 138.60 08.16.02.04 13.4.3 Isafore concrete constructions m³ 35.70 08.16.02.04 13.4.3.1 Strip foundations, for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class II MB 30, M-150, V-6, m³ 44.09 08.16.02.06 13.4.3.2 Protective construction of reinforced concrete m³ 32.34 08.16.02.06 13.4.3.3 Spanning bridge construction of reinforced concrete m³ 32.34 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete m³ 32.34 <t< td=""><td></td><td></td><td>Payment per m³ of compacted gravel.</td><td>m³</td><td>46.85</td><td></td><td></td></t<>			Payment per m ³ of compacted gravel.	m ³	46.85		
08.16.02. 13.4 CONCRETE This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibrating. * Concrete shall be mixed mechanically and compacted by vibrating. * Concrete shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed work 13.4.1 Blinding layer, 15 cm thick, made of concrete, class I MB is under foundation, pile caps and crossing slabs. 08.16.02.01 13.14.1. Concrete layer for slope. Concrete class I MB 20. m³ 08.16.02.03 13.14.2. Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh. m² 08.16.02.04 13.4.3.1 Strip foundations, foundations, foundations for wings, counter-beams, slab foundations, constructions m³ 138.60 08.16.02.05 13.4.3.2 Piers supporting plain spanning constructions of teinforced concrete, class II MB 30, M-150, V-6. m³ 140.09 08.16.02.06 13.4.3.3 Staf foundations, custinons and pile caps made of teinforced concrete, class II, MB 30, M-150, V-6. m³ 106.96 08.16.02.05 13.4.3.3 Abutment bodies construction of reinforced concrete m³ 32.34 08.16.02.06 13.4.3.3 Main plate girder made of reinforced co						DTH WODKS.	
This shall apply to all items: * Concrete shall be mixed mechanically and compacted by vibrating. * Reinforcing bars shall be paid separately, except for bored piles. * Concrete shall be paid separately, except for bored piles. * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Paryment per m ³ of placed concrete for completely performed work 13.4.1 Plain concrete Billinding layer, 15 cm thick, made of concrete, class I MB m ³ 08.16.02.02 13.1.4.1 additional specifications Scinover to shall be paid separately. 08.16.02.03 13.1.4.2 rotective concrete over waterproofing layer (MB20, scinover to separately). m ³ 08.16.02.04 13.4.3.1 Reinforced concrete constructions m ² 08.16.02.05 13.4.3.2 Press supporting plain spanning constructions of different systems and bearing beams m ³ 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete, class II, MB 30, M-150, V-6. m ³ 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete, class II, MB 30, M-150, V-6. m ³ 08.16.02.06 13.4.3.3 Main plate girder made of reinforced conc					IUIAL EA	KIH WORKS:	
08.16.02.01 13.4.1 additional specifications Concrete shall be paid separately, except for bored piles. 08.16.02.01 13.4.1 additional specifications Blinding layer, 15 cm thick, made of concrete, class I MB specifications m ² 21.46 08.16.02.01 13.1.4.1 additional specifications Concrete layer for slope. Concrete class I MB specifications m ² 21.46 08.16.02.02 13.1.4.1 additional specifications Concrete layer for slope. Concrete class I MB 20. m ³ 35.70 08.16.02.03 13.1.4.2 additional specifications Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh. m ³ 35.70 08.16.02.04 13.4.3.1 Reinforced concrete constructions specifications m ³ 35.70 08.16.02.04 13.4.3.1 Reinforced concrete constructions and pile caps made of reinforced concrete, class II MB 30, M-150, V-6. m ³ 44.09 08.16.02.05 13.4.3.2 Piers supporting plain spanning constructions of mifferent systems and bearing beams m ³ 32.34 Mitsol, V-6. 08.16.02.05 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 Mitsol, V-6. 08.16.02.05 13.4.3.3 Main plate girder made of reinforced concrete class I	08.16.02.	13.4					
9:16.02.01 13.4.13 8 Einforcing bars shall be paid separately. * Cables shall be paid separately. 08:16.02.01 13.4.13 Blinding layer, 15 cm thick, made of concrete, class I MB additional specifications m ² 21.46 08:16.02.02 13.1.4.1 additional specifications m ³ 35.70 08:16.02.03 13.1.4.2 additional specifications m ³ 35.70 08:16.02.04 13.4.3.1 Einforced concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . m ² 138.60 08:16.02.04 13.4.3.1 Reinforced concrete constructions m ² 138.60 08:16.02.04 13.4.3.1 Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of m ³ 44.09 08:16.02.05 13.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams m ³ 106.96 08:16.02.05 13.4.3.3 Spanning bridge construction of reinforced concrete class II, MB 30, M-150, V-6. m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. 08.16.03.0 13.4			This shall apply to all items:				
08.16.02.01 13.4.13 Bindrig layer, 15 cm thick, made of concrete, class I MB additional specifications m ² 21.46 08.16.02.02 13.1.4.1 additional specifications 5 cm by the gave mathematication of the gave mathemathematication of the gave mathematication			* Concrete shall be mixed mechanically and compacted by	v vibrati	ng.		
8 Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete, class I MB 08.16.02.01 13.4.1.3 Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. m ² 21.46 Concrete layer for slope. Concrete class I MB 20. 13.1.4.1 Concrete layer for slope. Concrete class I MB 20. additional specifications m ³ 13.1.4.2 Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh. secifications Reinforced concrete constructions 13.4.3 Reinforced concrete constructions 08.16.02.04 13.4.3.1 Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. m ³ 13.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams 08.16.02.05 13.4.3.3 Main plate girder made of reinforced concrete m ³ 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete m ³ 08.16.02.06 13.4.3.3 <t< td=""><td></td><td></td><td></td><td>·</td><td>0</td><td></td><td></td></t<>				·	0		
with the second seco				r			
Name * Payment per m³ of placed concrete for completely performed work Plain concrete Plain concrete 08.16.02.01 13.4.1.3 Blinding layer, 15 cm thick, made of concrete, class I MB 20. additional specifications m² 21.46 08.16.02.02 13.1.4.1 Concrete layer for slope. Concrete class I MB 20. additional specifications m³ 35.70 08.16.02.03 13.1.4.2 Protective concrete over waterproofing layer (MB20, additional specifications m² 138.60 08.16.02.04 13.4.3 Reinforced concrete constructions m² 138.60 08.16.02.04 13.4.3 Stip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. m³ 44.09 08.16.02.05 13.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams m³ 106.96 08.16.02.05 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m³ 106.96 08.16.02.05 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m³ 32.34 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m³ 32.34 08.16.03.1 Tat.WORK Totrat concrete works: * The price includes procurement, cutting, ben							
I3.4.1 Plain concrete				mad mo	al -		
08.16.02.01 13.4.1.3 additional specifications Blinding layer, 15 cm thick, made of concrete, class I MB specifications m ² 21.46 08.16.02.02 13.1.4.1 additional specifications Concrete layer for slope. Concrete class I MB 20. m ³ 35.70 08.16.02.03 13.1.4.2 additional specifications Protective concrete over waterproofing layer (MB20, Scm) with galvanized mesh. m ³ 35.70 08.16.02.04 13.4.3.1 Reinforced concrete constructions slab foundations, cushions and pile caps made of reinforced concrete, class II MB 30, M-150, V-6. m ³ 44.09 08.16.02.05 13.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams m ³ 106.96 08.16.02.06 13.4.3.3 Spanning bridge construction of reinforced concrete class II, MB 30, M-150, V-6. m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 106.96 08.16.03. 13.5 METALWORK MEt		12.4.1		med wo	IK		
additional specifications 15 under foundation, pile caps and crossing slabs. m ² 21.46 08.16.02.02 13.1.4.1 additional specifications Concrete layer for slope. Concrete class I MB 20. m ³ 35.70 08.16.02.03 13.1.4.2 additional specifications Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . m ² 138.60 08.16.02.04 13.4.3.1 Reinforced concrete constructions m 10 08.16.02.04 13.4.3.1 Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. m ³ 44.09 08.16.02.05 13.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams m ³ 106.96 08.16.02.05 13.4.3.3 Main plate girder made of reinforced concrete m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete m ³ 32.34 08.16.03. 13.5 METALWORK m ³ 32.34	00.16.00.01						
specifications 13.14.1 additional specifications 13.14.2 additional specifications 13.14.2 additional specifications 13.14.2 additional specifications 13.4.3 08.16.02.04 Concrete layer for slope. Concrete class I MB 20. m ³ 13.4.3 13.4.3 13.4.3 13.4.3 08.16.02.04 m ³ 13.4.3 13.5 13.4.3 13.5 13.4.3 13.5 13.4 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5	08.16.02.01						
08.16.02.02 13.1.4.1 additional specifications Concrete layer for slope. Concrete class I MB 20. m ³ m ³ 35.70 08.16.02.03 13.1.4.2 additional specifications Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . m ³ 35.70 08.16.02.04 13.4.3 13.4.3.1 Forective concrete constructions m ² 138.60 08.16.02.04 13.4.3.1 Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. m ³ 44.09 08.16.02.05 13.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete software m ³ 32.34 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, MB 30, M-150, V-6. m ³ 32.34 TOTAL CONCRETE WORKS: Cotal concrete members and constructions fixing of reinforcing bars in concrete members and constructions fixing of reinforcing bars in the construction, fully as designed.			15 under foundation, pile caps and crossing slabs.	2			
additional specifications additional specifications m ³ 35.70 08.16.02.04 13.1.4.2 additional specifications Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . m ² 138.60 08.16.02.04 13.4.3 Reinforced concrete constructions 1 1 08.16.02.04 13.4.3.1 Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. m ³ 44.09 08.16.02.05 13.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete with 30, M-150, V-6. m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete with 30, M-150, V-6. m ³ 32.34 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 08.16.03. 13.5 METALWORK m ³ 32.34 Image: Second fixing of reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. Image: Second fixing of second fixing of second fixing of reinforcing bars in th				m~	21.46		
08.16.02.03 specifications 13.1.4.2 additional specifications Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh. m ² 138.60 08.16.02.04 13.4.3.1 Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. m ³ 44.09 08.16.02.05 13.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete supporting plate spanning constructions of different systems and bearing beams m ³ 106.96 08.16.03. Image: Supporting plate spanning construction of reinforced concrete support systems and bearing beams m ³ 106.96 08.16.03. Image: Support spanning construction of reinforced concrete support systems and construction of reinforced concrete m ³ 106.96 08.16.03. Image: Support spanning construction of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 08.16.03. Image: Support span span span span span span span span	08.16.02.02	13.1.4.1	Concrete layer for slope. Concrete class I MB 20.				
08.16.02.03 13.1.4.2 additional specifications Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . m ² 138.60 08.16.02.04 13.4.3 Reinforced concrete constructions Implement of the second concrete constructions Implement of the second concrete constructions 08.16.02.04 13.4.3.1 Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Implement of the second concrete constructions of different systems and bearing beams Implement of the second concrete 08.16.02.05 13.4.3.2 Abutment bodies constructed of concrete, class II, MB 30, M-150, V-6. Implement of the second concrete concrete Implement of the second concrete class II, MB 30, M-150, V-6. Implement of the second concrete class II, MB 30, M-150, V-6. Implement of the second concrete class II, MB 30, M-150, V-6. Implement of the second concrete concrete class II, MB 30, M-150, V-6. Implement of the second concrete class II, MB 30, M-150, V-6. Implement of the second concrete class II, MB 30, M-150, V-6. Implement of the second concrete class II, MB 30, M-150, V-6. Implement of the second concrete class II, MB 30, M-150, V-6. Implement of the second concrete class II, MB 30, M-150, V-6. </td <td></td> <td>additional</td> <td></td> <td></td> <td></td> <td></td> <td></td>		additional					
additional specifications Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . m ² 138.60 08.16.02.04 13.4.3.1 Reinforced concrete constructions Image: Concrete construction of the concrete concrete construction of the concrete construction of the concrete construction of the concrete concococ		specifications		m ³	35.70		
additional specifications 5cm) with galvanized mesh . m ² 138.60 13.4.3 Reinforced concrete constructions 1 1 08.16.02.04 13.4.3.1 Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. m ³ 44.09 13.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams m ³ 106.96 08.16.02.05 13.4.3.2 Abutment bodies constructed of concrete, class II, MB 30, M-150, V-6. m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 08.16.03. 13.5 METALWORK Reinforcing bars in concrete members and constructions * 08.16.03. 13.5 METALWORK Reinforcing bars in concrete members and constructions * * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. </td <td>08.16.02.03</td> <td>13.1.4.2</td> <td></td> <td></td> <td></td> <td></td> <td></td>	08.16.02.03	13.1.4.2					
Specifications Scm) with galvanized mesh . m² 138.60 08.16.02.04 13.4.3 Reinforced concrete constructions Image: Construction of the construction of th		additional					
08.16.02.04 13.4.3 Reinforced concrete constructions Image: construction of the provided state of th			5cm) with galvanized mesh.	m^2	138.60		
08.16.02.04 13.4.3.1 Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. m ³ 44.09 13.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams m ³ 44.09 08.16.02.05 13.4.3.2 Abutment bodies constructed of concrete, class II, MB 30, M-150, V-6. m ³ 106.96 13.4.3.3 Abutment bodies construction of reinforced concrete m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 08.16.03. ISS METALWORK m ³ 32.34 TOTAL CONCRETE WORKS: TOTAL CONCRETE WORKS:			Reinforced concrete constructions			1	1
13.4.3.2 Slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. m ³ 44.09 13.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams m ³ 140.09 08.16.02.05 13.4.3.2 Abutment bodies constructed of concrete, class II, MB 30, M-150, V-6. m ³ 106.96 13.4.3.3 Spanning bridge construction of reinforced concrete m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 TOTAL CONCRETE WORKS: O8.16.03. 13.5 METALWORK Reinforcing bars in concrete members and constructions fully as designed. The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.	08 16 02 04						
08.16.02.05 13.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams 1	00.10.02.04	13.4.3.1					
08.16.02.05 13.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams Image: model of the systems and the				1			
13.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams Image: Construction of different systems and bearing beams 08.16.02.05 13.4.3.2 Abutment bodies constructed of concrete, class II, MB 30, M-150, V-6. m ³ 106.96 13.4.3.3 Spanning bridge construction of reinforced concrete Image: Construction of reinforced concrete Image: Construction of reinforced concrete Image: Construction of reinforced concrete 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 Image: Construction of concrete class II, MB 30, M-150, V-6. TOTAL CONCRETE WORKS: TOTAL CONCRETE WORKS: * The price includes procurement, cutting, bending and fixing of reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.			reinforced concrete, class III MB 30, M-150, V-6.	3			
08.16.02.05 13.4.3.2 Abutment bodies constructed of concrete, class II, MB 30, M-150, V-6. m ³ 106.96 13.4.3.3 Spanning bridge construction of reinforced concrete m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 TOTAL CONCRETE WORKS: TOTAL CONCRETE WORKS: Total concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.				m	44.09		
08.16.02.05 13.4.3.2 Abutment bodies constructed of concrete, class II, MB 30, M-150, V-6. m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 TOTAL CONCRETE WORKS: O8.16.03. 13.5 METALWORK Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.		13.4.3.2		1			
M-150, V-6. m ³ 106.96 13.4.3.3 Spanning bridge construction of reinforced concrete Image: Construction of reinforced concrete 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 TOTAL CONCRETE WORKS: O8.16.03. 13.5 METALWORK Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.			different systems and bearing beams				
M-150, V-6. m ³ 106.96 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 TOTAL CONCRETE WORKS: 08.16.03. 13.5 METALWORK Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.	08.16.02.05	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30,	,			
13.4.3.3 Spanning bridge construction of reinforced concrete Image: Spanning bridge construction of reinforced concrete 08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150,V-6. m ³ 32.34 OB.16.03. 13.5 METALWORK Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.				m ³	106.96		
08.16.02.06 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 30, M-150, V-6. m ³ 32.34 TOTAL CONCRETE WORKS: 08.16.03. 13.5 METALWORK Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.		13.4.3.3					
MB 30, M-150,V-6. m ³ 32.34 TOTAL CONCRETE WORKS: 08.16.03. 13.5 METALWORK Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.							
MB 30, M-150,V-6. m ³ 32.34 TOTAL CONCRETE WORKS: 08.16.03. 13.5 METALWORK Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.	08 16 02 06	13433	Main plate sirder made of reinforced concrete class II			<u> </u>	1
TOTAL CONCRETE WORKS: 08.16.03. 13.5 METALWORK Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.	00.10.02.00	15.4.5.5		m ³	37 24		
08.16.03. 13.5 METALWORK Reinforcing bars in concrete members and constructions * * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. •		1	JU JU, IVI-1JU, V-U.				
Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.				Т	OTAL CONCI	RETE WORKS:	
Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.	08.16.03.	13.5	METALWORK				
* The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.				ns			
fixing of reinforcing bars in the construction, fully as designed.							
designed.							
UX 16 U3 U1 1 1 1 3 5 1 1R1bbed rebars KA 400/500-2	00.16.02.01	10.5.1		,			
	08.16.03.01	13.5.1	Ribbed rebars RA 400/500-2				
kg 17,325.65				kg	17,325.65		1.000

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.16.03.02	13.5.1	Welded mesh reinforcement MAG 500/560				
			kg	4,078.89		
				TOTAL N	METAL WORK	
08.16.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
		installation as designed.				
08.16.04.01	13.10.2	Insulating coat on pavement top	m ²	120 (0		
00 16 04 02	12 10 2		m	138.60		
08.16.04.02	13.10.3	Applying one layer of bitulite and one layer of hot				
		bitumen onto concrete surfaces in contact with earth.	m ²	367.41		
08.16.04.03	13.10.5	Trial loading of constructed bridge.				
				lump su	ım	
08.16.04.04	13.10.6	Photographing during bridge construction		•		
				lump su	ım	
08.16.04.05	13.11.6	Crashed stone revetment				
	additional					
	specifications		m ³	25.20		
08.16.04.06	13.11.15	'Fugeband" tapes for sealing concrete conections				
	additional					
	specifications					
			m'	13.50		
		TOTAL FINISHING A	ND SUN	DRY WORKS	ON BRIDGES:	

SUMMARY TOP SLAB CULVERT AT km 884+167.303 (part under main road)	
08.16.01 EARTH WORKS	
08.16.02 CONCRETE	
08.16.03 METALWORK	
08.16.04 FINISHING AND SUNDRY WORKS ON BRIDGES	
TOTAL CULVERT AT km 884+167.303 (part under main road):	

08.17. SLAB TOP CULVERT AT km 884+815.865

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.17.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.17.01.01	13.2.1	Excavation of foundations in IV and V category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	583.36		
		- at depth of 2-4 m	m ³	474.62		
			2			
		- at depth of 4-6 m	m ³	286.52		
08.17.01.02	13.2.5	Construction of wedge made of well-graded gravel				
		compacted in 30 cm thick layers to modulus of				
		compressibility Ms=40 MPa. It shall be constructed				
		behind the abutments.	2			
		Payment per m ³ of compacted gravel.	m ³	458.05		
08.17.01.03	13.2.7	Placing the sub-base made of gravel and sand in 30 cm				
	additional	thick layers under foundation including compaction of				
	specifications	layers to modulus of compressibility Ms=30 MPa.				
		Payment per m ³ of compacted gravel.	m ³	83.54		
08.17.01.04	13.2.9	Placing 80 cm thick cover protecting a gravel wedge made				
	additional	of gravel sand where top 30 cm shall be stabilized with				
	specifications	cement and bottom 50 cm compacted in two layers to				
		modulus of compressibility Ms=40 MPa.				
		Payment per m ³ of compacted gravel.	m ³	29.96		
	•		II	TOTAL EA	RTH WORKS:	
08.17.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by	vibrati	ng.		
		* Reinforcing bars shall be paid separately, except for bore	d piles.			
		* Cables shall be paid separately.				
		* The price of concrete includes formwork and scaffold.				
		* Payment per m ³ of placed concrete for completely perform	med wo	rk		

	T.S.	Work Description	Unit	Quantity	Unit Price	Total
	13.4.1	Plain concrete			1	
08.17.02.01	13.4.1.3	Blinding layer, 15 cm thick, made of concrete, class I MB				
	additional	15 under foundation, pile caps and crossing slabs.	m ²	25.00		
08 17 02 02	specifications 13.1.4.1	Concepts lower for slong. Concepts along LMB 20	m	35.00		
08.17.02.02	additional	Concrete layer for slope. Concrete class I MB 20.				
	specifications		m ³	99.00		
08.17.02.03	13.1.4.2		m	<i>))</i> .00		
00.17.02.05	additional	Protective concrete over waterproofing layer (MB20,				
	specifications	5cm) with galvanized mesh.	m ²	330.00		
	13.4.3	Reinforced concrete constructions				
08.17.02.04	13.4.3.1	Strip foundations, foundations for wings, counter-beams,				
		slab foundations, cushions and pile caps made of				
		reinforced concrete, class III MB 30, M-150, V-6.	2			
			m ³	86.98		
	13.4.3.2	Piers supporting plain spanning constructions of				
00.17.02.05	12 4 2 2	different systems and bearing beams				
08.17.02.05	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30,	m ³	90.54		
08.17.02.06	13.4.3.2	M-150, V-6. Abutment wing walls made of concrete, class II, MB 30,	m	89.54		
08.17.02.00	13.4.3.2	M-150, V-6.	m ³	4.50		
	13.4.3.3	Spanning bridge construction of reinforced concrete	m	4.50		
	10.4.0.0	spanning bruge construction of remotecu concrete				
08.17.02.07	13.4.3.3	Main plate girder made of reinforced concrete class II,				
		MB 30, M-150,V-6.	m ³	61.78		
08.17.02.08	13.4.3.4	Cornices at footway level (including inspection manholes)				
		cast in situ. Concrete class II MB 30, M-150, V-6	2			
			m ³	2.96		
			Т	OTAL CONCE	RETE WORKS:	
08.17.03.	13.5	METALWORK			Į	
		Reinforcing bars in concrete members and construction	ns			
		* The price includes procurement, cutting, bending and				
		fixing of reinforcing bars in the construction, fully as				
		designed.	· · · · ·			
08.17.03.01	13.5.1	Ribbed rebars RA 400/500-2				
	12.0		kg	25,401.86		
09 17 02 02	13.8	Steel bridge fences:	Ira	219 61		
08.17.03.02	13.8.2	- tubular fences or fences made of steel sections	kg	218.61		
				TOTAL N	METAL WORK	
08.17.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
00 17 04 01	12 10 2	* The price includes procurement, construction and installation as designed.				
08.17.04.01	13.10.2	* The price includes procurement, construction and	²	250.00		
		* The price includes procurement, construction and installation as designed. Insulating coat on pavement top	m ²	350.00		
08.17.04.01 08.17.04.02	13.10.2 13.10.3	* The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot	m ²	350.00		
		* The price includes procurement, construction and installation as designed. Insulating coat on pavement top				
	13.10.3	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. 	m ² m ²	350.00 787.72		
08.17.04.02		* The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot			m	
08.17.04.02	13.10.3	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. 		787.72	m	
08.17.04.02 08.17.04.03	13.10.3 13.10.5	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. 		787.72		
08.17.04.02 08.17.04.03	13.10.3 13.10.5	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction 		787.72 lump su		
08.17.04.02 08.17.04.03 08.17.04.04	13.10.3 13.10.5 13.10.6	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing 		787.72 lump su		
08.17.04.02 08.17.04.03 08.17.04.04	13.10.3 13.10.5 13.10.6	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices 	m ²	787.72 lump su lump su		
08.17.04.02 08.17.04.03 08.17.04.04 08.17.04.05	13.10.3 13.10.5 13.10.6 13.10.8	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints 		787.72 lump su		
08.17.04.02 08.17.04.03 08.17.04.04	13.10.3 13.10.5 13.10.6 13.10.8 13.11.6	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices 	m ²	787.72 lump su lump su		
08.17.04.02 08.17.04.03 08.17.04.04 08.17.04.05	13.10.3 13.10.5 13.10.6 13.10.8 13.11.6 additional	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints 	m ²	787.72 lump su lump su 10.95		
08.17.04.02 08.17.04.03 08.17.04.04 08.17.04.05 08.17.04.06	13.10.3 13.10.5 13.10.6 13.10.8 13.11.6 additional specifications	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Crashed stone revetment 	m ²	787.72 lump su lump su		
08.17.04.02 08.17.04.03 08.17.04.04 08.17.04.05	13.10.3 13.10.5 13.10.6 13.10.8 13.11.6 additional specifications 13.11.15	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints 	m ²	787.72 lump su lump su 10.95		
08.17.04.02 08.17.04.03 08.17.04.04 08.17.04.05 08.17.04.06	13.10.3 13.10.5 13.10.6 13.10.8 13.11.6 additional specifications 13.11.15 additional	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Crashed stone revetment 	m ²	787.72 lump su lump su 10.95		
08.17.04.02 08.17.04.03 08.17.04.04 08.17.04.05 08.17.04.06	13.10.3 13.10.5 13.10.6 13.10.8 13.11.6 additional specifications 13.11.15	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Crashed stone revetment 	m ²	787.72 lump su lump su 10.95 60.00		
08.17.04.02 08.17.04.03 08.17.04.04 08.17.04.05 08.17.04.06	13.10.3 13.10.5 13.10.6 13.10.8 13.11.6 additional specifications 13.11.15 additional	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Crashed stone revetment 'Fugeband'' tapes for sealing concrete conections 	m ² m' m ³	787.72 lump su lump su 10.95 60.00 67.50	m	
08.17.04.02 08.17.04.03 08.17.04.04 08.17.04.05 08.17.04.06 08.17.04.07	13.10.3 13.10.5 13.10.6 13.10.8 13.11.6 additional specifications 13.11.15 additional specifications	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit') on asphalt next to curbs and cornices at footway level and next to expansion joints Crashed stone revetment 'Fugeband'' tapes for sealing concrete conections 	m ² m' m ³	787.72 lump su lump su 10.95 60.00 67.50	m	
08.17.04.02 08.17.04.03 08.17.04.04 08.17.04.05 08.17.04.06 08.17.04.07 08.17.04.07	13.10.3 13.10.5 13.10.6 13.10.8 13.11.6 additional specifications 13.11.15 additional specifications	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit') on asphalt next to curbs and cornices at footway level and next to expansion joints Crashed stone revetment Fugeband" tapes for sealing concrete conections TOTAL FINISHING AN 	m ² m' m ³	787.72 lump su lump su 10.95 60.00 67.50	m	
08.17.04.02 08.17.04.03 08.17.04.04 08.17.04.05 08.17.04.06 08.17.04.07	13.10.3 13.10.5 13.10.6 13.10.8 13.11.6 additional specifications 13.11.15 additional specifications	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit') on asphalt next to curbs and cornices at footway level and next to expansion joints Crashed stone revetment 'Fugeband'' tapes for sealing concrete conections 	m ² m' m ³	787.72 lump su lump su 10.95 60.00 67.50 IDRY WORKS	m ON BRIDGES:	
08.17.04.02 08.17.04.03 08.17.04.04 08.17.04.05 08.17.04.06 08.17.04.07 08.17.05.	13.10.3 13.10.5 13.10.6 13.10.8 13.11.6 additional specifications 13.11.15 additional specifications	 * The price includes procurement, construction and installation as designed. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit') on asphalt next to curbs and cornices at footway level and next to expansion joints Crashed stone revetment Fugeband" tapes for sealing concrete conections TOTAL FINISHING AN 	m ² m' m3 D SUN	787.72 lump su lump su 10.95 60.00 67.50 IDRY WORKS lump su	m ON BRIDGES:	

SUMMARY SLAB TOP CULVERT AT km 884+815.865		
08.17.01 EARTH WORKS		
08.17.02 CONCRETE		
08.17.03 METALWORK		
08.17.04 FINISHING AND SUNDRY WORKS ON BRIDGES		
08.17.05 PRELIMINARY WORKS		
	TOTAL SLAB TOP CULVERT km 884+815.865:	

08.17. INLECT STRUCTURES AT km 884+815.865

	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.17.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.17.01.01	13.2.1	Excavation of foundations in IV and V category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
			2			
		- at depth of 0-2 m	m ³	294.56		
		- at depth of 2-4 m	m ³	247.03		
		· ·				
		- at depth of 4-6 m	m ³	220.80		
		- at depth over 6 m	m ³	294.52		
08.17.01.02	13.2.4	Backfilling of pier foundations with earth in 30 cm thick	m	274.52		
08.17.01.02	13.2.4					
		layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	126.00		
08.17.01.03	13.2.5	Construction of wedge made of well-graded gravel				
		compacted in 30 cm thick layers to modulus of				
		compressibility Ms=40 MPa. It shall be constructed				
		behind the abutments.				
			3			
		Payment per m ³ of compacted gravel.	m ³	46.20		
08.17.01.04	13.2.7	Placing the sub-base made of gravel and sand in 30 cm				
	additional	thick layers under foundation including compaction of				
	specifications	layers to modulus of compressibility Ms=30 MPa.				
	· · · · · · · · ·	ing in the second se				
		Payment per m ³ of compacted gravel.	m ³	10.56		
		rayment per m'or compacted graver.	m			
				TOTAL EA	ARTH WORKS:	
08.17.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by		ıg.		
		* Reinforcing bars shall be paid separately, except for bore		ıg.		
		* Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately.		ıg.		
		 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. 	d piles.	-		
		* Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately.	d piles.	-		
	13.4.1	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. 	d piles.	-		
08.17.02.01	13.4.1 13.4.1.3	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete 	d piles.	-		
08.17.02.01	13.4.1.3	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 	d piles.	-		
08.17.02.01	13.4.1.3 additional	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete 	ned wor	k		
	13.4.1.3 additional specifications	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. 	d piles.	-		
08.17.02.01 08.17.02.02	13.4.1.3 additional specifications 13.1.4.1	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 	ned wor	k		
	13.4.1.3 additional specifications 13.1.4.1 additional	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. 	med wor	k 11.73		
08.17.02.02	13.4.1.3 additional specifications 13.1.4.1 additional specifications	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. 	ned wor	k		
	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. 	med wor	k 11.73		
08.17.02.02	13.4.1.3 additional specifications 13.1.4.1 additional specifications	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. Protective concrete over waterproofing layer (MB20, 	med work m	k 11.73		
08.17.02.02	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. 	med wor	k 11.73		
08.17.02.02	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2 additional specifications	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . 	med work m	k 11.73 22.07		
08.17.02.02 08.17.02.03	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2 additional specifications 13.4.3	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . Reinforced concrete constructions 	med work m	k 11.73 22.07		
08.17.02.02	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2 additional specifications	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, 	med work m	k 11.73 22.07		
08.17.02.02 08.17.02.03	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2 additional specifications 13.4.3	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of 	med work m	k 11.73 22.07		
08.17.02.02 08.17.02.03	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2 additional specifications 13.4.3	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, 	med wor m ² m ³ m ²	k 11.73 22.07 29.04		
08.17.02.02 08.17.02.03	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2 additional specifications 13.4.3 13.4.3.1	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfort Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class II MB 30, M-150, V-6. 	med work m	k 11.73 22.07		
08.17.02.02 08.17.02.03	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2 additional specifications 13.4.3	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfort Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of 	med wor m ² m ³ m ²	k 11.73 22.07 29.04		
08.17.02.02 08.17.02.03	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2 additional specifications 13.4.3 13.4.3.1	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class II MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams 	med wor m ² m ³ m ²	k 11.73 22.07 29.04		
08.17.02.02 08.17.02.03	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2 additional specifications 13.4.3 13.4.3.1	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class II MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams 	med wor m ² m ³ m ² m ³	k 11.73 22.07 29.04		
08.17.02.02 08.17.02.03 08.17.02.04	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2 additional specifications 13.4.3 13.4.3.1 13.4.3.1	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfort Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, 	med wor m ² m ³ m ² m ³	k 11.73 22.07 29.04 31.94		
08.17.02.02 08.17.02.03 08.17.02.04	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class II MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M-150, V-6. 	med wor m ² m ³ m ²	k 11.73 22.07 29.04		
08.17.02.02 08.17.02.03 08.17.02.04	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2 additional specifications 13.4.3 13.4.3.1 13.4.3.1	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfort Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class III MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, 	med wor m ² m ³ m ² m ³	k 11.73 22.07 29.04 31.94		
08.17.02.02 08.17.02.03 08.17.02.04 08.17.02.05	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class II MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M-150, V-6. 	med wor m ² m ³ m ² m ³	k 11.73 22.07 29.04 31.94		
08.17.02.02 08.17.02.03 08.17.02.04	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class II MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M-150, V-6. Spanning bridge construction of reinforced concrete 	med work m ² m ³ m ³ m ³	k 11.73 22.07 29.04 31.94 106.67		
08.17.02.02 08.17.02.03 08.17.02.04 08.17.02.05	13.4.1.3 additional specifications 13.1.4.1 additional specifications 13.1.4.2 additional specifications 13.4.3 13.4.3.1 13.4.3.2 13.4.3.2 13.4.3.2	 * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Concrete layer for slope. Concrete class I MB 20. Protective concrete over waterproofing layer (MB20, 5cm) with galvanized mesh . Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of reinforced concrete, class II MB 30, M-150, V-6. Piers supporting plain spanning constructions of different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30, M-150, V-6. 	med wor m ² m ³ m ² m ³	k 11.73 22.07 29.04 31.94		

13.5	METALWORK				
	Reinforcing bars in concrete members and construction	ns			
	* The price includes procurement, cutting, bending and				
	fixing of reinforcing bars in the construction, fully as				
				1 1	
13.5.1	Ribbed rebars RA 400/500-2	1	10 600 66		
1251	Welded mech reinforcement MAG 500/560	кg	10,088.00		
15.5.1	welded mesh remoteement wAG 500/500	ka	3 807 30		
	<u> </u>	кg	/	AETAL WORK	
			IUIAL	METAL WORK	
13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		1			
	* The price includes procurement, construction and installation as designed.				
13.10.2	Insulating coat on pavement top				
		m^2	29.04		
13.10.3					
	bitumen onto concrete surfaces in contact with earth.	2	10 4 0 4		
12 10 5		m~	436.36		
13.10.5	I rial loading of constructed bridge.		hump au		
13 10 6	Photographing during bridge construction		iump su		
15.10.0	i notographing during bridge construction		lump su	ım	
13.10.8			P = -		
	at footway level and next to expansion joints	m'	4.40		
13.11.6	Crashed stone revetment				
additional		3			
specifications		m'	13.38		
	"Fugeband" tapes for sealing concrete conections				
specifications		m'	40.50		
	TOTAL FINISHING AN			ON BRIDGES:	
2					
		I			
2.0	2 chieffield of chieffield construction		lump su	ım	
	1	TOT	•		
	13.10.3 13.10.5 13.10.6 13.10.8 13.11.6 additional	designed. 13.5.1 Ribbed rebars RA 400/500-2 13.5.1 Welded mesh reinforcement MAG 500/560 13.1 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * * The price includes procurement, construction and installation as designed. 13.10.2 Insulating coat on pavement top 13.10.3 Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. 13.10.5 Trial loading of constructed bridge. 13.10.6 Photographing during bridge construction 13.10.8 Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints 13.11.6 Crashed stone revetment additional specifications Fugeband" tapes for sealing concrete conections TOTAL FINISHING AN 2 PRELIMINARY WORKS	designed. 13.5.1 Ribbed rebars RA 400/500-2 kg 13.5.1 Welded mesh reinforcement MAG 500/560 kg 13.1 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. m² 13.10.2 Insulating coat on pavement top m² 13.10.3 Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. m² 13.10.5 Trial loading of constructed bridge. m² 13.10.6 Photographing during bridge construction m' 13.10.6 Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints m' 13.11.6 Crashed stone revetment m³ 13.11.15 Fugeband" tapes for sealing concrete conections m' 13.11.15 PRELIMINARY WORKS Demolition of existing construction	designed. Ribbed rebars RA 400/500-2kg10,688.6613.5.1Ribbed rebars RA 400/500-2kg10,688.6613.5.1Welded mesh reinforcement MAG 500/560kg3,807.30TOTAL NTOTAL NTotAL NThis shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed.13.10.2Insulating coat on pavement topm²29.04Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth.13.10.3Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth.13.10.6Trial loading of constructed bridge.13.10.6Trial loading of constructed bridge.13.10.6Fitting and sealing joints with elastic bituminous sealing compound (Tivobit) on asphalt next to curbs and cornices at footway level and next to expansion joints13.11.6additional specifications13.11.15additional specificationsspecificationsm³13.11.15Tugeband" tapes for sealing concrete conections13.10.5PRELIMINARY WORKS2PRELIMINARY WORKS2.5Demolition of existing construction	designed. 13.5.1 Ribbed rebars RA 400/500-2 kg 10,688.66 13.5.1 Welded mesh reinforcement MAG 500/560 kg 3,807.30 TOTAL METAL WORKS 13.1 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. 13.10.2 Insulating coat on pavement top m ² 29.04 13.10.3 Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. m ² 436.36 13.10.6 Trial loading of constructed bridge. lump sum 13.10.6 Photographing during bridge construction lump sum 13.10.6 Fitting and sealing joints with elastic bituminous sealing compound (livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints m' 4.40 Crashed stone revetment 13.11.5 m ³ 13.38 Fitugeand" tapes for sealing concrete conections m ³ 13.38 Fugeband" tapes for sealing concrete conections m' 40.50

SUMMARY INLECT STRUCTURES	
08.17.01 EARTH WORKS	
08.17.02 CONCRETE	
08.17.03 METALWORK	
08.17.04 FINISHING AND SUNDRY WORKS ON BRIDGES	
08.17.05 PRELIMINARY WORKS	
TOTAL INLECT STRUCTURES:	

08.18. UNDERPASS AT km 885+335.85

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.18.01	13.2	EARTH WORKS				
		Excavation for foundations				
08.18.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	1,002.30		
		- at depth of 2-4 m	m ³	265.30		
08.18.01.02	13.2.2	Extra for excavation of foundations with pumping of 30				
		lit/min - 120 lit/min water.	m ³	500.00		
08.18.01.03	13.2.4	Backfilling of pier foundations with earth in 30 cm thick				
		layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	1,106.00		
08.18.01.04	13.2.5	Construction of wedge made of well-graded gravel				
		compacted in 30 cm thick layers to modulus of				
		compressibility Ms=40 MPa. It shall be constructed				
		behind the abutments.				
		Payment per m ³ of compacted gravel.	m ³	986.00		

Item No. 08.18.01.05	TC	Work Description	Unit	Quantity	Unit Price	Total
	T.S. 13.2.7	Placing the sub-base made of gravel and sand in 30 cm	Umt	Quantity	Unit Price	Total
00.10.01.03	additional	thick layers under foundation including compaction of				
	specifications	layers to modulus of compressibility Ms=30 MPa.				
	specifications	layers to modulus of compressionity wis-50 wit a.				
		Payment per m ³ of compacted gravel.	m ³	70.00		
00 10 01 06	12.2.0			70.00		
08.18.01.06	13.2.9	Placing 80 cm thick cover protecting a gravel wedge made				
	additional	of gravel sand where top 30 cm shall be stabilized with				
	specifications	cement and bottom 50 cm compacted in two layers to				
		modulus of compressibility Ms=40 MPa.				
		2	2			
		Payment per m ³ of compacted gravel.	m ³	208.00		
				TOTAL EA	ARTH WORKS:	
08.18.01.	13.4	CONCRETE				
00.10.011	1011	This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by	vibrati	ng.		
		* Reinforcing bars shall be paid separately, except for bore				
		* Cables shall be paid separately.	a pricor			
		* The price of concrete includes formwork and scaffold.				
		* Payment per m ³ of placed concrete for completely perfor	med wo	rk		
	13.4.1	Plain concrete				
08.18.02.01	13.4.1.3	Blinding layer, 15 cm thick, made of concrete, class I MB				
00.10.02.01	additional	15 under foundation, pile caps and crossing slabs.				
	specifications	15 under foundation, pile caps and crossing stabs.	m ³	40.50		
08.18.02.02	13.1.4.1	Concrete layer for slope. Concrete class I MB 20.		10.50	1	
30.10.02.02	additional	Concrete tayor for stope. Concrete class I wild 20.				
	specifications		m ³	14.20		
08.18.02.03	13.1.4.2			11.20	1	
30.10.02.03	additional	Protective concrete over waterproofing layer (MB20,				
	specifications	5cm) with galvanized mesh.	m ²	1,000.00		
	13.4.3	Reinforced concrete constructions	m	1,000.00		
08.18.02.04	13.4.3.1	Strip foundations, foundations for wings, counter-beams,				
08.18.02.04	15.4.5.1	slab foundations, cushions and pile caps made of				
		reinforced concrete, class III MB 30, M-150, V-6.				
		Tennoiced concrete, class III MB 50, M-150, V-0.	m ³	246.90		
	13.4.3.2	Piers supporting plain spanning constructions of		270.70		
	13.4.3.4	different systems and bearing beams				
08.18.02.05	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30,				
08.18.02.03	13.4.3.2	M-150, V-6.	m ³	221.00		
08.18.02.06	12 / 2 2	Abutment wing walls made of concrete, class II, MB 30,	III	221.00		
08.18.02.00	13.4.3.2	M-150, V-6.	m ³	91.40		
	13.4.3.3	Spanning bridge construction of reinforced concrete	m	71.40		
	13.4.3.3	spanning bridge construction of remitired concrete				
08.18.02.07	13.4.3.3	Main plate girder made of reinforced concrete class II,				
00110102107	10111010	MB 30, M-150,V-6.	m ³	112.00		
08.18.02.08	13.4.3.4	Cornices at footway level (including inspection manholes)		112100		
00110102100	10111011	cast in situ. Concrete class II MB 30, M-150, V-6				
			m ³	7.60		
					RETE WORKS:	
00 10 02	12.5	METALWORK	-	01111 00110		
08.18.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and construction	115			
		* The price includes procurement, cutting, bending and				
		fixing of reinforcing bars in the construction, fully as				
08 18 02 01	1251	designed. Ribbed rebars RA 400/500-2			Ι	
08.18.03.01	13.5.1	KIUUCA ICUAIS KA 400/300-2	1rc	51 161 50		
	13.0	Stool bridge fear	kg	54,164.52		
	13.8	Steel bridge fences:	1rc	200 00		
00 10 02 02	13.8.2	- tubular fences or fences made of steel sections	kg	288.90	I	
08.18.03.02				TOTAL N	METAL WORK	
08.18.03.02						
08.18.03.02 08.18.04.	13.10	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
			<u>ation a</u> s	designed.		
		This shall apply to all items of finishing works:		designed.		
08.18.04.	13.10	This shall apply to all items of finishing works: * The price includes procurement, construction and installation installation in the procurement top	ation as	designed. 183.50		
08.18.04.	13.10	This shall apply to all items of finishing works: * The price includes procurement, construction and installa				
08.18.04. 08.18.04.01	13.10 13.10.2	This shall apply to all items of finishing works: * The price includes procurement, construction and installation installation in the procurement top	m ²	183.50		
08.18.04. 08.18.04.01	13.10 13.10.2	This shall apply to all items of finishing works: * The price includes procurement, construction and install. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth.				
08.18.04. 08.18.04.01	13.10 13.10.2	This shall apply to all items of finishing works: * The price includes procurement, construction and install. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot	m ²	183.50		
08.18.04. 08.18.04.01 08.18.04.02	13.10 13.10.2 13.10.3	This shall apply to all items of finishing works: * The price includes procurement, construction and install. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth.	m ²	183.50	im	
08.18.04. 08.18.04.01 08.18.04.02	13.10 13.10.2 13.10.3	This shall apply to all items of finishing works: * The price includes procurement, construction and install. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth.	m ²	183.50	Im	
08.18.04. 08.18.04.01 08.18.04.02 08.18.04.03	13.10 13.10.2 13.10.3 13.10.5	This shall apply to all items of finishing works: * The price includes procurement, construction and install. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction	m ²	183.50		
08.18.04. 08.18.04.01 08.18.04.02 08.18.04.03	13.10 13.10.2 13.10.3 13.10.5	This shall apply to all items of finishing works: * The price includes procurement, construction and install. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge.	m ²	183.50 1,253.00 lump st		
08.18.04.01 08.18.04.02 08.18.04.02 08.18.04.03 08.18.04.04	13.10 13.10.2 13.10.3 13.10.5 13.10.6	This shall apply to all items of finishing works: * The price includes procurement, construction and install. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction	m ²	183.50 1,253.00 lump su lump su		
08.18.04.01 08.18.04.02 08.18.04.02 08.18.04.03 08.18.04.04	13.10 13.10.2 13.10.3 13.10.5 13.10.6 13.11.15	This shall apply to all items of finishing works: * The price includes procurement, construction and install. Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Trial loading of constructed bridge. Photographing during bridge construction	m ²	183.50 1,253.00 lump st		

SUMMARY - UNDERPASS AT km 885+335.85

08.18.01 EARTH WORKS

08.18.02 CONCRETE

08.18.03 METALWORK

08.18.04 FINISHING AND SUNDRY WORKS ON BRIDGES

TOTAL UNDERPASS AT km 885+335.85:

08.19.0VERPASS AT 0+719.11 OF SPLIT LEVEL CROSSROAD PREDEJANE

LEG 1

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.19.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.19.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	1,128.40		
		- at depth of 2-4 m	m ³	200.50		
			2			
		- at depth of 4-6 m	m ³	260.00		
08.19.01.02	13.2.1	Excavation of foundations in V category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth	2			
		- at depth of 4-6 m	m ³	45.14		
			3	1 10 10		
00 10 01 02	12.2.2	- at depth over 6 m	m ³	143.12		
08.19.01.03	13.2.2	Extra for excavation of foundations with pumping of 30	m ³	267.60		
08.19.01.04	13.2.4	lit/min - 120 lit/min water. Backfilling of pier foundations with earth in 30 cm thick	m	207.00		
00.17.01.04	13.2.4	layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
		Payment per m^3 of compacted earth.	m ³	1,033.60		
08.19.01.05	13.2.5	Construction of wedge made of well-graded gravel	m	1,055.00		
00.19.01.05	15.2.5	compacted in 30 cm thick layers to modulus of				
		compressibility Ms=40 MPa. It shall be constructed				
		behind the abutments.				
		Payment per m ³ of compacted gravel.	m ³	347.10		
08.19.01.06	13.2.6	Extra for excavation to place all needed supports in the				
	additional	foundation pit including wooden shoring, combination of				
	specifications	wooden shoring and steel supports and steel shoring.				
		Payment per m ² of used material.	m ²	280.00		
08.19.01.07	13.2.8	Construction of end slope of material from the cutting or				
	additional	borrow pit including mechanical compaction in 30 cm				
	specifications	thick layers, fully as designed.				
		Payment per m3 of compacted material.	m ³	421.00		
08.19.01.08	13.2.9	Placing 80 cm thick cover protecting a gravel wedge made				
	additional	of gravel sand where top 30 cm shall be stabilized with				
	specifications	cement and bottom 50 cm compacted in two layers to				
		modulus of compressibility Ms=40 MPa.				
		Payment per m3 of compacted material.	3	02.04		
08.19.01.09	12 4 2	Construction of Ø120 cm piles with concrete, class MB	m ³	93.84	<u> </u>	
06.19.01.09	13.4.2	30. M-150. V-3. Payment per m' of completed pile.	m'	226.00		
	I.	150, M-150, V-3. Payment per in or completed pile.	m		DTH WODKS.	
		CONCRETE		IUIAL EA	ARTH WORKS:	
08.19.02.	13.4	CONCRETE				
		This shall apply to all items: * Concrete shall be mixed mechanically and compacted by	viberti			
		* Reinforcing bars shall be paid separately, except for bore		ıg.		
		* Cables shall be paid separately.	a piles.			
		* The price of concrete includes formwork and scaffold.				
		* Payment per m ³ of placed concrete for completely perfor	med wor	k		
	13.4.1	Plain concrete				
08.19.02.01	13.4.1.3	Blinding layer, 10 cm thick, made of concrete, class I MB				
	additional	15 under foundation, pile caps and crossing slabs.				
	specifications		m ³	25.50	ļ	
08.19.02.02		Plain concrete under the pier S6, ME 30	3	00.00		
	I		m ³	90.00	I I	

			** •.	0		
Item No.	<u>T.S.</u>	Work Description	Unit	Quantity	Unit Price	Total
08.19.02.03	13.4.3 13.4.3.1	Reinforced concrete constructions Strip foundations, foundations for wings, counter-beams,				
08.19.02.05	15.4.5.1	slab foundations, roundations for wings, counter-beams, slab foundations, cushions and pile caps made of				
		reinforced concrete, class III MB 30, M-150, V-6.				
		Tennorced concrete, class in MB 50, M-150, V-0.	m ³	468.80		
	13.4.3.2	Piers supporting plain spanning constructions of		100.00		
	10111012	different systems and bearing beams				
08.19.02.04	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30,				
		M-150, V-6.	m ³	244.80		
08.19.02.05	13.4.3.2	Abutment wing walls made of concrete, class II, MB 30,				
		M-150, V-6.	m ³	42.96		
08.19.02.06	13.4.3.2	Abutment parapets constructed of concrete, class II, MB				
		30, M-150, V-6.	m ³	15.48		
08.19.02.07	13.4.3.2	Pedestrian cantilever walkway at abutment wing walls				
		constructed of concrete, class II, MB 30, M-150, V-6.	3			
			m ³	2.50	-	
08.19.02.08	13.4.3.2	Masking covers of abutments and middle piers made of	m ³	1.15		
00.10.00.00	10 1 0 0	concrete, class II, MB 30, M-150, V-6.	m	1.15		
08.19.02.09	13.4.3.2	Middle pier bodies constructed of concrete, class II, MB	m ³	070 51		
09 10 02 10	12422	40, M-150, V-6. Abutment caps made of concrete, class II, MB 40, M-	m	278.51		
08.19.02.10	13.4.3.2	Abutment caps made of concrete, class II, MB 40, M- 150, V-6.	m ³	0.81		
	13.4.3.3	Spanning bridge construction of reinforced concrete	111	0.81		
	13.4.3.3	Spanning bridge construction of remotecu concrete				
08.19.02.11	13.4.3.3	Main plate girder made of reinforced concrete class II,			1	1
00.17.02.11	10.1.0.0	Main plate grider made of remoteed concrete class if, MB 40, M-150,V-6.	m ³	808.68		
08.19.02.12	13.4.3.4	Cornices at footway level (including inspection manholes)				
		cast in situ. Concrete class II MB 30, M-150, V-6				
			m ³	40.00		
08.19.02.13	13.4.3.5	Crossing slabs made of concrete MB 30, M-150, V-6				
			m ³	14.96		
08.19.02.14	13.4.3.4	Masking covers of cornices at footway level made of				
		concrete, class II, MB 45, M-150, V-8.	m ³	16.50		
			Т	OTAL CONCI	RETE WORKS:	
08.19.03.	13.5	METALWORK				
00.12.03.	15.5	Reinforcing bars in concrete members and construction				
		* The price includes procurement, cutting, bending and	15			
		fixing of reinforcing bars in the construction, fully as				
08 19 03 01	1351	fixing of reinforcing bars in the construction, fully as designed.				
08.19.03.01	13.5.1	fixing of reinforcing bars in the construction, fully as	kg	421,994,10		
		fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2	kg	421,994.10		
08.19.03.01 08.19.03.02	13.5.1 13.6	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as	kg m'	421,994.10		
		fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2				
08.19.03.02	13.6	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed.				
08.19.03.02	13.6	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as	m'	16.00		
08.19.03.02 08.19.03.03 08.19.03.04	13.6 13.7	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh	m'	16.00		
08.19.03.02 08.19.03.03	13.6 13.7 13.8	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences:	m' pc.	16.00 7.00		
08.19.03.02 08.19.03.03 08.19.03.04	13.6 13.7 13.8 13.8.3	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings	m' pc.	16.00 7.00 584.50		
08.19.03.02 08.19.03.03 08.19.03.04	13.6 13.7 13.8 13.8.3	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh	m' pc.	16.00 7.00		
08.19.03.02 08.19.03.03 08.19.03.04	13.6 13.7 13.8 13.8.3	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings	m' pc. kg	16.00 7.00 584.50 4.00	METAL WORK	
08.19.03.02 08.19.03.03 08.19.03.04	13.6 13.7 13.8 13.8.3	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings	m' pc. kg	16.00 7.00 584.50 4.00	METAL WORK	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05	13.6 13.7 13.8 13.8.3 13.9	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES	m' pc. kg	16.00 7.00 584.50 4.00	METAL WORK	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05	13.6 13.7 13.8 13.8.3 13.9	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85	m' pc. kg	16.00 7.00 584.50 4.00	METAL WORK	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05	13.6 13.7 13.8 13.8.3 13.9	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed.	m' pc. kg	16.00 7.00 584.50 4.00	METAL WORK	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05	13.6 13.7 13.8 13.8.3 13.9	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs	m' pc. kg pc.	16.00 7.00 584.50 4.00	METAL WORK	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40	m' pc. kg	16.00 7.00 584.50 4.00	METAL WORK	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.	13.6 13.7 13.8 13.8.3 13.9 13.1	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs	m' pc. kg pc.	16.00 7.00 584.50 4.00 TOTAL N 484.00	METAL WORK	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01 08.19.04.01 08.19.04.02	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1 13.10.2	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top	m' pc. kg pc.	16.00 7.00 584.50 4.00 TOTAL N	METAL WORK	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot	m' pc. kg pc.	16.00 7.00 584.50 4.00 TOTAL N 484.00	METAL WORK	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01 08.19.04.01 08.19.04.02	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1 13.10.2	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top	m' pc. pc. m' m ²	16.00 7.00 584.50 4.00 TOTAL N 484.00 1,300.00	METAL WORK	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01 08.19.04.01 08.19.04.02 08.19.04.03	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1 13.10.2 13.10.3	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth.	m' pc. kg pc.	16.00 7.00 584.50 4.00 TOTAL N 484.00	METAL WORK	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01 08.19.04.01 08.19.04.02	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1 13.10.2	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm	m' pc. kg pc. m' m ² m ²	16.00 7.00 584.50 4.00 TOTAL N 484.00 1,300.00 856.64	METAL WORK	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01 08.19.04.01 08.19.04.02 08.19.04.03 08.19.04.04	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1 13.10.2 13.10.3 13.10.4	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick	m' pc. pc. m' m ²	16.00 7.00 584.50 4.00 TOTAL N 484.00 1,300.00	METAL WORK	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01 08.19.04.01 08.19.04.02 08.19.04.03	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1 13.10.2 13.10.3	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt	m' pc. pc. m' m ² m ²	16.00 7.00 584.50 4.00 TOTAL N 484.00 1,300.00 856.64 1,331.00	METAL WORK	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01 08.19.04.02 08.19.04.03 08.19.04.03 08.19.04.04 08.19.04.05	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1 13.10.2 13.10.3 13.10.4 13.10.4	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick	m' pc. kg pc. m' m ² m ²	16.00 7.00 584.50 4.00 TOTAL N 484.00 1,300.00 856.64	METAL WORK	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01 08.19.04.02 08.19.04.03 08.19.04.04	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1 13.10.2 13.10.3 13.10.4	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt	m' pc. pc. m' m ² m ²	16.00 7.00 584.50 4.00 TOTAL N 484.00 1,300.00 856.64 1,331.00 1,331.00		
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01 08.19.04.02 08.19.04.03 08.19.04.03 08.19.04.04 08.19.04.05 08.19.04.06	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1 13.10.2 13.10.3 13.10.4 13.10.4 13.10.4 13.10.5	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge.	m' pc. pc. m' m ² m ²	16.00 7.00 584.50 4.00 TOTAL N 484.00 1,300.00 856.64 1,331.00		
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01 08.19.04.02 08.19.04.03 08.19.04.03 08.19.04.04 08.19.04.05	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1 13.10.2 13.10.3 13.10.4 13.10.4	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick	m' pc. pc. m' m ² m ²	16.00 7.00 584.50 4.00 TOTAL N 484.00 1,300.00 856.64 1,331.00 1,331.00 lump su	Im	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01 08.19.04.01 08.19.04.02 08.19.04.03 08.19.04.03 08.19.04.05 08.19.04.06 08.19.04.07	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1 13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge.	m' pc. pc. m' m ² m ²	16.00 7.00 584.50 4.00 TOTAL N 484.00 1,300.00 856.64 1,331.00 1,331.00	Im	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01 08.19.04.02 08.19.04.03 08.19.04.03 08.19.04.04 08.19.04.05 08.19.04.06	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1 13.10.2 13.10.3 13.10.4 13.10.4 13.10.4 13.10.5	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge.	m' pc. pc. m' m ² m ²	16.00 7.00 584.50 4.00 TOTAL N 484.00 1,300.00 856.64 1,331.00 1,331.00 lump su	Im	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01 08.19.04.01 08.19.04.02 08.19.04.03 08.19.04.03 08.19.04.05 08.19.04.06 08.19.04.07	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1 13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction	m' pc. pc. m' m ² m ²	16.00 7.00 584.50 4.00 TOTAL N 484.00 1,300.00 856.64 1,331.00 1,331.00 lump su	Im	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01 08.19.04.01 08.19.04.02 08.19.04.03 08.19.04.03 08.19.04.05 08.19.04.06 08.19.04.07	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1 13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction	m' pc. kg pc. m' m ² m ² m ²	16.00 7.00 584.50 4.00 TOTAL N 484.00 1,300.00 856.64 1,331.00 1,331.00 lump su lump su	Im	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01 08.19.04.01 08.19.04.02 08.19.04.03 08.19.04.03 08.19.04.04 08.19.04.05 08.19.04.06 08.19.04.07 08.19.04.08	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1 13.10.2 13.10.3 13.10.4 13.10.4 13.10.4 13.10.5 13.10.6 13.10.8	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints	m' pc. pc. m' m ² m ²	16.00 7.00 584.50 4.00 TOTAL N 484.00 1,300.00 856.64 1,331.00 1,331.00 lump su	Im	
08.19.03.02 08.19.03.03 08.19.03.04 08.19.03.05 08.19.04.01 08.19.04.01 08.19.04.02 08.19.04.03 08.19.04.03 08.19.04.05 08.19.04.06 08.19.04.07	13.6 13.7 13.8 13.8.3 13.9 13.1 13.10.1 13.10.2 13.10.3 13.10.4 13.10.4 13.10.4 13.10.5 13.10.6	fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 Expansion joints - procurement and installation as designed MT-100. S-7 gullies of cast iron, procurement and installation as designed. Steel bridge fences: - protective mesh Bridge bearings NAL-b 350x450x85 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction	m' pc. kg pc. m' m ² m ² m ²	16.00 7.00 584.50 4.00 TOTAL N 484.00 1,300.00 856.64 1,331.00 1,331.00 lump su lump su	Im	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.19.04.10	13.11.2	Epoxy and polyurethane preservative on footways				
			m ²	244.00		
08.19.04.11	13.11.8	Construction of cementitious grouting mortar beds				
	additional					
	specifications		m ²	2.56		
08.19.04.12	13.7.2	Cast iron pipes for gully water discharge including all				
		fixing accessories.	m'	9.00		
		TOTAL FINISHING AN	D SUN	DRY WORKS	ON BRIDGES:	

SUMMARY -OVERPASS AT km 0+719.11		
08.19.01 EARTH WORKS		
08.19.02 CONCRETE		
08.19.03 METALWORK		
08.19.04 FINISHING AND SUNDRY WORKS ON BRIDGES		
	TOTAL OVERPASS AT km 0+719.11	

08.20.OVERPASS AT km 0+038.46 OF SPLIT LEVEL CEOSSROAD PREDEJANE LEG 2

LEG 2 Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.20.01.	13.2	EARTH WORKS		C <i>V</i>		
		Excavation for foundations				
08.20.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	1 100 40		
			m	1,128.40		
		at death of 2.4 m	m ³	200.50		
		- at depth of 2-4 m	111	200.30		
		- at depth of 4-6 m	m ³	276.00		
08.20.01.02	13.2.1	Excavation of foundations in V category soil and				
		transport of earth to distance of 500 m.				
		Payment per m^3 of excavated earth				
		- at depth of 4-6 m	m ³	45.14		
			m	43.14		
		- at depth over 6 m	m ³	149.12		
08.20.01.03	13.2.2	Extra for excavation of foundations with pumping of 30				
		lit/min - 120 lit/min water.	m ³	267.60		
08.20.01.04	13.2.4	Backfilling of pier foundations with earth in 30 cm thick				
		layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	1,040.20		
08.20.01.05	13.2.5	Construction of wedge made of well-graded gravel				
		compacted in 30 cm thick layers to modulus of				
		compressibility Ms=40 MPa. It shall be constructed				
		behind the abutments.				
		Payment per m ³ of compacted gravel.	m ³	370.00		
08.20.01.06	13.2.6	Extra for excavation to place all needed supports in the				
	additional	foundation pit including wooden shoring, combination of				
	specifications	wooden shoring and steel supports and steel shoring.				
	_	Payment per m ² of used material.	m ²	280.00		
08.20.01.07	13.2.8	Construction of end slope of material from the cutting or				
	additional	borrow pit including mechanical compaction in 30 cm				
	specifications	thick layers, fully as designed.				
		Payment per m3 of compacted material.	m ³	421.00		
08.20.01.08	13.2.9	Placing 80 cm thick cover protecting a gravel wedge made				
	additional	of gravel sand where top 30 cm shall be stabilized with				
	specifications	cement and bottom 50 cm compacted in two layers to				
		modulus of compressibility Ms=40 MPa.				
		Payment per m3 of compacted material.	m ³	93.84		
08.20.01.09	13.4.2	Construction of Ø120 cm piles with concrete, class MB				
		30, M-150, V-3. Payment per m' of completed pile.	m'	226.00		
	·			TOTAL FA	ARTH WORKS:	

98.3.0.1. 13.4 CONCRETE This shall apply on all inex: * Currents shall paphy on all inex: * Currents shall paphy on all inex: * Cubes shall be mixed mechanically and compacted by vibrating. * Cubes shall be mixed mechanically and compacted by vibrating. * Cubes shall be mixed mechanically and compacted by vibrating. * Cubes shall be mixed mechanically and compacted by reference to the term of t	Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
$ \left \begin{array}{c c c c c c c c } & Concrete shall be mixed methanically and compared by vintaring. \\ \hline Performance of source in chief sequently. core for boxed piles. \\ \hline Performance of source in chief sequently. \\ \hline Performance of the performance of source is completely performed work. \\ \hline Performance of the per$			CONCRETE				
8 			This shall apply to all items:				
* Cables shall be purely. * The price of concrete information work. * The price of concrete information work. * Payment part of placed concrete for completely performation work. 98 2002.01 13.4.1.3 Minim layer, 10 m thick, made of concente, class 1 Minim part, 10 m thick, made of concente, class 1 Minim part, 10 m thick, made of concente, class 1 Minim part, 10 m thick, made of concente, class 1 Minim part, 10 m thick, made of concente, class 1 Minim part, 10 m thick, made of concente, class 1 Minim part, 10 m thick, made of concente, class 1 Minim part, 10 m thick, made of concente, class 1 Minim part, 10 m thick, made of concente, class 1 Minim part, 10 m thick, made of concente, class 1 Minim part, 10 m thick, made of concente, class 1 Minim part, 10 m thick, made of concente, class 1 Minim part, 10 m thick, made of concente, class 1 Minim, 10 m thick, made of concente, class 1 Minim, 10 m thick, made of concente, class 1 Minim, 10 m thick, made of concente, class 1 Minim, 10 m thick, made of concente, class 1 Minim, 10 m thick, made of concente, class 1 Minim, 10 m thick, made of concente, class 1 Minim, 10 m thick, made of concente, class 1 Minim, 10 m thick, made of concente, class 1 Minim, 10 m thick, made of concente, class 1 Minim, 10 m thick, made of concente, class 1 Minim, 10 m thick, made of concente, class 1 Minim, 10 m thick, made of meast math of the mathemation mathematical mathmatical mathmathematical mathematical mathematical mathematical m							
82.002.01 ** The price of concrete includic formwork and scaffold. ** Bysner per al of place concrete for complexity performed work: 08.2002.01 Plain concrete 08.2002.02 15 ander foundation, pile caps and consing halos. m² 08.2002.03 154.43 Binding lays: n 08.2002.03 154.43. Binding lays: n 08.2002.03 154.43. Binding low: n 08.2002.04 134.32. Plens concrete control to play of S2, MIS 10 n² 08.2002.05 134.3. Beindered concrete, class II, MB 30, M° n² 476.60 134.3.2 Plens surporting plain spanning constructions of source, class II, MB 30, m² 253.10 08.2002.06 134.32. Abstrametical of concrete, class II, MB 30, m² 1.6.53 08.2002.07 134.32. Abstrametical of concrete, class II, MB 30, m² 1.6.53 08.2002.08 134.32. Polentical concrete, class II, MB 30, m² 1.6.53 08.2002.09 134.32. Abstrametical concrete, class II, MB 30, M-150, V-6, m² 1.6.53				d piles.			
* Polyment per and p failed concrete for completely performed wet 98 200.201 * Polyment per and p failed concrete (ses N M) * 98 200.202 Hind respected constructions m² 25.90 98 20.02.01 Hind respected constructions m² 25.90 98 20.02.02 Hind respected constructions m² 25.90 98 20.02.03 Hind respected constructions m² 25.90 98 20.02.04 Hind respected constructions m² 25.90 98 20.02.04 Hind respected constructions m² 476.80 98 20.02.04 Hind respected construct constructions m² 476.80 98 20.02.04 Hind respected construct constructions m² 427.80 98 20.02.05 Hind respected construct class H MB 20 m² 427.80 98 20.02.06 Hind respected construct of construct class H MB 20 m² 427.80 98 20.02.07 Hind respected construct of construct class H MB 20 m² 42.63 98 20.02.08 Hind respected construct of construct class H MB 20 m² 1.63 98 20.02.01 Hind respected c							
B2.00.201 Find concrete additional Find concrete (second concrete), class IA MB additional Find concrete (second concrete), class IA MB main concrete under the pire S2, MB 50 m ¹ 2.5.90 08.20.02.01 Pain concrete under the pire S2, MB 50 m ¹ 90.00							
88.200.2.01 Binding layse, 10 orn thick, make of concrete, class I, MB m ¹ 25.90 98.200.2.03 13.4.3 Beinforced concrete constructions m ² 0.000 1 08.20.02.03 13.4.3 Beinforced concrete constructions m ² 0.000 1 08.20.02.03 13.4.3 Beinforced concrete constructions m ² 0.000 1 08.20.02.04 13.4.3 Beinforced concrete, class II MB 30, M-150, V-6 m ³ 476, 80 1 08.20.02.05 13.4.3 Abstructure sing and mach of concrete, class II, MB 30, m ¹ 253.10 1 1 08.20.02.06 13.4.32 Mentionet wing value mach of concrete, class II, MB 30, m ¹ 4.3.6.7 1 <td< td=""><td></td><td>12.4.1</td><td></td><td>med wo</td><td>ork</td><td></td><td></td></td<>		12.4.1		med wo	ork		
additional sectifications Plain concrete under the pier S2 , ME 30 n ¹ 25.90 1 08.200.203 13.4.3 Strip foundators, constances and pile capes nade or one provide of control concrete, cases in MB 30, M-150, V-6 n ¹ 90.00 1 08.200.204 13.4.3 Strip foundators, constances and pile capes nade of concrete, class II, MB 30, M-150, V-6 n ¹ 476.80 1 08.200.204 13.4.3.2 Abstiment bodies constructed of concrete, class II, MB 30, M-150, V-6 n ¹ 45.4.7 1 08.200.205 13.4.3.2 Abstiment bodies constructed of concrete, class II, MB 30, M-150, V-6. n ¹ 4.5.4.7 1 08.200.207 13.4.3.2 Abstiment parager constructed of concrete, class II, MB 30, M-150, V-6. n ¹ 1.6.5.3 1 08.200.207 13.4.3.2 Abstiment parager constructed of concrete, class II, MB 30, M-150, V-6. n ¹ 1.6.5.3 1 08.200.208 13.4.3.2 Model pier bodies constructed of concrete, class II, MB 30, M-150, V-6. n ¹ 1.1.5 1 08.200.210 13.4.3.3 Model pier bodies constructed of concrete class II, MB 20, M-150, V-6. n ¹ 1.1.5 1	08 20 02 01						
specification Interface m ¹ 25.90 82.00.2.03 13.4.3.1 Reinforced concrete constructions m ¹ 90.00 82.00.2.03 13.4.3.1 Sinp foundations, foundations for wings, contract-beams, sub-foundations, cubic has a pile cap, nucleot of reinforced concrete, class II, MB 30, M-150, V-6, m ¹ 476.80 82.00.2.04 13.4.3.2 Approximation bodies, cubic has and beacting beams. m ¹ 476.80 82.00.2.05 13.4.3.2 Approximation bodies, cubic has and beacting beams. m ¹ 476.80 82.00.2.05 13.4.3.2 Approximation bodies, cubic has a postering beam set of concrete, class II, MB 30, M-150, V-6, m ¹ 43.47 82.00.2.07 13.4.3.2 Abstime paragets constructed of concrete, class II, MB 30, M-163, V-6, m ¹ 2.63 82.00.2.07 13.4.3.2 Masking corres of abutments and middle piers made of m ¹ 1.15 82.00.2.08 13.4.3.2 Masking corres of cass II, MB 30, M-160, V-6, m ¹ 2.63 82.00.2.10 13.4.3.2 Masking corres of cass II, MB 30, M-160, V-6, m ¹ 1.15 82.00.2.12 13.4.3.2 Masking corres of cass II, MB 30, M-160, V-6, m ¹ 1.15 82.00.2.11	08.20.02.01						
08.20.02.02 Plan concrete under the pier S2, ME 30 n^3 90.00 90.00 08.20.02.03 13.4.3 Strip forced concrete constructions for wings, constare heavs, slab foundations, conditions for wings, constare heavs, slab foundations, fo			15 under foundation, prie caps and crossing stabs.	m ³	25.90		
13.4.3 Reinforced concrete constructions m ² 90.00 90.00 08.200.203 13.4.3.1 Strip frondations, foundations, for wings, conner-beams, slap foundations, foundations, store wings, conner-beams, slap foundations, slap, wings, slap, wingslap, wingslap, wings, slap, wingslap, wingslap, wingsl	08.20.02.02	specifications	Plain concrete under the pier S2, ME 30		23.70		
08.200.203 \$13.4.3.1 Strip foundations, foundati			· · · · · · · · · · · · · · · · · · ·	m ³	90.00		
shb framadations, cushions and pile caps made of reinforced concrete, class II, MB 30, M-150, V-6. m 476,80 08.2002.04 13.4.3.2 Pers supporting pilon spanning constructions of different systems and bearing beams i i i i 08.2002.04 13.4.3.2 Abutinent bodies constructed of concrete, class II, MB 30, M-150, V-6. mi 253.10 i </td <td></td> <td>13.4.3</td> <td>Reinforced concrete constructions</td> <td></td> <td></td> <td></td> <td></td>		13.4.3	Reinforced concrete constructions				
reinforced concrete, class III MB 30, M-150, V-6. ml 476, 80 08:200.204 13.4.3.2 First supporting plain spanning constructions of the second concrete class II. MB 30, ml 253.10 08:200.204 13.4.3.2 Abutiment bodies constructed of concrete, class II. MB 30, ml 253.10 08:200.206 13.4.3.2 Abutiment wing walls made of concrete, class II. MB 30, ml 43.4.7 08:200.206 13.4.3.2 Abutiment yangets constructed of concrete, class II. MB 30, ml 43.4.7 08:20.02.00 13.4.3.2 Making cover of abutiment wing walls made of concrete, class II, MB 30, M-150, V-6. ml 2.6.3 08:20.02.01 13.4.3.2 Making cover of abutiment wing walls made of concrete, class II, MB 30, M-150, V-6. ml 1.1.5 08:20.02.02 13.4.3.2 Making cover of abutiment wing walls made of concrete, class II, MB 40, M-150, V-6. ml 1.1.5 08:20.02.11 13.4.3.3 Spanning bridge construction of reinforced concrete class II, MB 40, M-150, V-6. ml 1.5.8 08:20.02.12 13.4.3.4 Making cover of concrete, class II, MB 40, M-150, V-6. ml 4.5.8 08:20.02.11 13.4.3.4 Making cover of concrete class II, MB 40, M-150, V-6. ml 4.5.6.3 1.5.8	08.20.02.03	13.4.3.1	Strip foundations, foundations for wings, counter-beams,				
Is.4.3.2 Piers supporting plain spanning constructions of different systems and bearing beams m^3 476.80 (1) 08.20.02.04 13.4.3.2 Abuinent bodies construction of concrete, class II, MB 30, M-150, V-6. m^3 2.53.10 (1) 08.20.02.05 13.4.3.2 Abuinent purges constructed of concrete, class II, MB 30, M-150, V-6. m^3 1.6.53 (1) 08.20.02.07 13.4.3.2 Abuinent purges constructed of concrete, class II, MB 30, M-150, V-6. m^3 1.6.53 (1) 08.20.02.08 13.4.3.2 Making covers of abutnents and middle piers made of constructed of concrete, class II, MB 40, M-150, V-6. m^3 1.15 (1) 08.20.02.09 13.4.3.2 Making covers of abutnents and middle piers made of concrete, class II, MB 40, M-150, V-6. m^3 2.8.3 (1) 08.20.02.10 13.4.3.3 Middle pier bodies construction of reinforced concrete class II, MB 40, M-150, V-6. m^3 2.8.2.9.4 (1) 08.20.02.11 13.4.3.3 Forming plate ginformade or concrete class II, MB 40, M-150, V-6. m^3 1.1.5 (1) 08.20.02.11 13.4.3.4 Consing slabs made of concrete class II, MB 40, M-150, V-6. m^3							
13.4.3.2 Fires supporting plain spanning constructions of different systems and bearing beams ($M = 100 \text{ concrete}, class II, MB 30,M = 150, V-6. m1 253.10 08.20.02.06 13.4.3.2 Abutment wing walls made of concrete, class II, MB 30,M = 150, V-6. m1 43.47 08.20.02.07 13.4.3.2 Abutment wing walls made of concrete, class II, MB 30,M = 150, V-6. m1 16.53 08.20.02.07 13.4.3.2 Abutment values and butment wing wallsconstructed of concrete, class II, MB 30, M = 150, V-6,m1 2.63 08.20.02.09 13.4.3.2 Masking covers of abutments and middle pirs made ofconcrete, class II, MB 30, M = 150, V-6,m1 m1 1.15 08.20.02.01 13.4.3.2 Masking covers of abutments and middle pirs made ofconcrete, class II, MB 40, M = 0.81 m1 282.94 08.20.02.01 13.4.3.2 Main plate girder made of concrete, class II, MB 40, M = 0.81 m1 1.15 08.20.02.11 13.4.3.3 Forming bridge construction of reinforced concreteclass II, MB 40, M = 150, V-6,m1 m1 815.88 08.20.02.12 13.4.3.4 Consering slabs made of concrete, class II, MB 40, M = 0.81 m2 63.1 08.20.02.11 13.4.3.5 Consering slabs made of concrete class II, MB 40, M = 0.81 m2 16.63 08.20.02.12 13.4.3.5 Consering slabs made of concrete Rass II, MB 40, M = 0.81 m$			reinforced concrete, class III MB 30, M-150, V-6.	3	17 6 00		
different systems and bearing beams image of the set		12.4.2.2		m	476.80		
		13.4.3.2					
M-150, V-6. m ² 253, 10 62.002.06 13.4.3.2 Abument wing walls made of concrete, class II, MB 30, M-150, V-6. m ³ 43.47 68.20.02.07 13.4.3.2 Potentimet parapets constructed of concrete, class II, MB 30, M-150, V-6. m ³ 16.53 68.20.02.08 13.4.3.2 Potentimet parapets constructed of concrete, class II, MB 30, M-150, V-6. m ³ 2.63 68.20.02.09 13.4.3.2 Making covers of abuments and middle piers made of concrete, class II, MB 30, M-150, V-6. m ³ 1.15 68.20.02.00 13.4.3.3 Maintent caps made of concrete, class II, MB 40, M-150, V-6. m ³ 2.82, 94 68.20.02.01 13.4.3.3 Spanning bridge construction of reinforced concrete 0.81 0.81 68.20.02.11 13.4.3.3 Spanning bridge construction of reinforced concrete lass II, MB 40, M-150, V-6. m ⁴ 815, 88 0.62 68.20.02.12 13.4.3.4 Concrete class II, MB 30, M-150, V-6. m ⁴ 17.25 0.82 68.20.02.1 13.4.3.5 Consing slabs made of concrete lass II, MB 30, M-150, V-6 m ⁴ 17.25 0.82 68.20.02.1 13.4.3.5 Consing slabs made of concrete members and construction f m ⁴ 16.63	08 20 02 04	13/32					
08:20:02:05 13.4.3.2 Abutment ving walls made of concrete, class II, MB 30, m1 43.4.7 08:20:02:06 13.4.3.2 Abutment parapets constructed of concrete, class II, MB m1 16.5.3 08:20:02:07 13.4.3.2 Pedestrian, cantilever walk way at abutment ving walls constructed of concrete, class II, MB m1 16.5.3 08:20:02:09 13.4.3.2 Masking covers of abutments and middle piters made of m3 1.1.5 08:20:02:09 13.4.3.2 Masking covers of abutments and middle piters made of 1 m3 2.63 08:20:02:10 13.4.3.2 Masking covers of abutments and middle piter smale of concrete, class II, MB m3 m3 282.94 08:20:02:11 13.4.3.3 Main plate gider made of concrete, class II, MB m3 m3 282.94 08:20:02:12 13.4.3.3 Main plate gider made of concrete, class II, MB m3 m3 815.88 08:20:02:12 13.4.3.4 Concrets class II, MB m4:150, V-6. m3 11.2.5 08:20:02:13 13.4.3.5 Concrets class II, MB 30, M-150, V-6. m3 17.2.5 08:20:02:14 13.4.3.4 Masking covers of concrete MB 30, M-150, V-6. m3 17.2.5 08:20:02:13 13.4.3.4 Masking covers of concrete MB 30, M-	08.20.02.04	13.4.3.2		m ³	253 10		
M. 150, V-6. m ³ 43.47 08.20.02.06 13.4.3.2 Abutment parapets constructed of concrete, class II, MB m ³ 16.53 08.20.02.07 13.4.3.2 Polectrian cartificer walkway at abutment ving value m ³ 2.63 08.20.02.08 13.4.3.2 Masking covers of abutments and middle piers made of m ³ 1.15 1.15 08.20.02.09 13.4.3.2 Middle pier bodies constructed of concrete, class II, MB 40, M-150, V-6. m ³ 2.83 08.20.02.10 13.4.3.2 Middle pier bodies construction of reinforced concrete 0.81 1.15 08.20.02.11 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 40, M-150, V-6 m ³ 815.88 1.16 08.20.02.12 13.4.3.4 Corssing slabs made of concrete class II, MB 40, M-150, V-6 m ³ 815.88 1.15 08.20.02.12 13.4.3.4 Corssing slabs made of concrete MB 30, M-150, V-6 m ³ 16.6.3 1.15 08.20.02.14 13.4.3.4 Corssing slabs made of concrete MB 30, M-150, V-6 m ³ 16.6.3 1.15 08.20.02.14 13.4.3.4 Corssing slabs made of concrete MB 30, M-150, V-6 m ³ 16.6.3 1.15 <	08.20.02.05	13432			200.10		
08.20.02.01 13.4.3.2 Abstiment parapets constructed of concrete, class II, MB m^3 16.5.3 08.20.02.07 13.4.3.2 Pedestrian caritiever walkway arabutment vay valls constructed of concrete, class II, MB 30, M-150, V-6. m^3 2.6.3 08.20.02.09 13.4.3.2 Masking covers of abutments and middle piers made of m^3 1.1.5	00120102102	10111012		m ³	43.47		
30, M-130, V-6. m ¹ 16.53 08,20.02.07 13.4.3.2 Pederian cantiver walkway at abutment wing valis constructed of concrete, class II, MB 30, M-150, V-6. m ¹ 2.63 08,20.02.09 13.4.3.2 Masking covers of abutments and middle pier made of m ¹ 1.15	08.20.02.06	13.4.3.2					
Image: constructed of concrete, class II, MB 30, M-150, V-6, m ³ 2.63 08.20.02.08 13.4.3.2 Masking covers of abutments and middle piers made of concrete, class II, MB 40, M-150, V-6, m ³ 1.1.5 1.1.5 08.20.02.09 13.4.3.2 Middle pier bodies constructed of concrete, class II, MB 40, M-1 150, V-6, 0.81 0.81 1.1.5 08.20.02.10 13.4.3.2 Abutment caps made of concrete, class II, MB 40, M-1 150, V-6, 0.81 0.81 1.1.5 08.20.02.11 13.4.3.3 Main plate girder made of reinforced concrete 0.81 1.1.5 1.1.5 08.20.02.12 13.4.3.4 Main plate girder made of reinforced concrete class II, MB 40, M-150, V-6, m ³ 815.88 1.1.5 1.1.5 08.20.02.13 13.4.3.5 Crossing slabs made of concrete MB 30, M-150, V-6, m ³ 1.7.25 1.1.5 1.1.5 08.20.02.14 13.4.3.4 Masking covers of concrets at footway level made of concrete, class II, MB 40, M-150, V-6, m ³ 1.6.63 1.1.5 1.1.5 08.20.02.12 13.5 METALWORK Reinforcing bars in the construction, fully as designed. 1.1.6.63 1.1.5 08.20.03.01 13.5.1 Reinforcing bars in the construction, fully as desig				m ³	16.53		
Maxing covers of abatments and middle piers made of m ² 2.63 08.20.02.08 13.4.3.2 Maxing covers of abatments and middle piers made of m ² 1.15 08.20.02.09 13.4.3.2 Middle pier bodies constructed of concrete, class II, MB and M. 1.15 08.20.02.01 13.4.3.2 Abatment caps made of concrete, class II, MB 40, M- 0.81 13.4.3.3 Main plate girder made of reinforced concrete 0.81 08.20.02.11 13.4.3.3 Main plate girder made of reinforced concrete 0.81 08.20.02.12 13.4.3.4 Cornices at footway level (including inspection manholes) 0.81 08.20.02.13 13.4.3.5 Crossing slabs made of concrete MB 30, M-150, V-6 m ³ 40.00 08.20.02.14 13.4.3.5 Maxing covers of concrete mabers and constructions m ³ 16.63 TOTAL CONCRETE WORKS: OB.20.03 13.5 METALWORK Reinforcing bars in concrete members and constructions m ³ 16.63 Reinforting bars in concrete members and constructions * The price includes procurement, clusting bading and fixing of reinforcing bars in the construction, fully as distand	08.20.02.07	13.4.3.2	Pedestrian cantilever walkway at abutment wing walls				
08.20.02.08 13.4.3.2 Masking covers of abutments and middle piers made of m ² 1.1.5 08.20.02.09 13.4.3.2 Middle pier bodies constructed of concrete, class II, MB 40, M-150, V-6. m ³ 282,94 08.20.02.10 13.4.3.2 Mathematic caps made of concrete, class II, MB 40, M-150, V-6. 0.8.1 13.4.3.3 Main plate girder made of reinforced concrete 0.8.1 0.8.1 08.20.02.11 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 40, M-150, V-6. m ³ 815.88 0.6.1 08.20.02.12 13.4.3.4 Concrest of closal proval yeel (including inspection manholes) cast in situ. Concrete class II MB 40, M-150, V-6 m ³ 17.25 0.6.1 08.20.02.13 13.4.3.5 Crossing slabs made of concrete MB 30, M-150, V-6 m ³ 17.25 0.6.3 08.20.02.14 13.4.3.4 Masking covers of cornices at footway level made of concrete, class II, MB 45, M-150, V-8. m ³ 16.6.3 0.6.3 08.20.03.01 13.5.1 Reinforcing bars in concrete members and constructions + The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. 17.00 0.6.3 08.20.03.01 13.5.1 Ribbed rebars RA 400/500-2 kg 584.5			constructed of concrete, class II, MB 30, M-150, V-6.	_			
Mathematical concrete, class II, MB 30, M-150, V-6, m ² m ² 1.15 08.20.02.00 13.4.3.2 Mathematical concrete, class II, MB 40, M-10, N-10, N-6, m ² 0.81 13.4.3.3 Spanning bridge construction of reinforced concrete 0.81 1 08.20.02.10 13.4.3.3 Main plate girder made of reinforced concrete 0.81 08.20.02.11 13.4.3.3 Main plate girder made of reinforced concrete m ² 815.88 08.20.02.12 13.4.3.4 Comices at footway level (including inspection matholes) cast in situ. Concrete class II, MB 40, M-150, V-6 m ² 40.00 08.20.02.13 13.4.3.5 Crossing slabs made of concrete MB 30, M-150, V-6 m ³ 17.25 08.20.02.14 13.4.3.4 Masking covers of cornices at footway level made of concrete, class II, MB 45, M-150, V-8 m ³ 16.63 Crossing slabs made of concrete members and constructions * ToTAL CONCRETE WORKs: 08.20.03.01 13.5 METALWORK Reinforcing bars in concrete members and constructions * ToTAL CONCRETE WORKs: 08.20.03.01 13.5 METALWORK Reinforcing bars in concrete members and constructions # To and esigned. Note: Total concrete construction at installation as m' 17.00				m ³	2.63		
08.20.02.09 13.4.3.2 Middle pire bodies constructed of concrete, class II, MB m^3 282.94 08.20.02.10 13.4.3.2 Mounteent caps made of concrete, class II, MB 40, M- 0.81 150, V-6. 0.81 0.81 08.20.02.11 13.4.3.3 Main plate girder made of reinforced concrete 0.81 08.20.02.12 13.4.3.4 Main plate girder made of reinforced concrete m ³ 815.88 08.20.02.13 13.4.3.4 Concrete class II MB 40, M-150, V-6 m ³ 40.00 08.20.02.13 13.4.3.5 Crossing slabs made of concrete MB 30, M-150, V-6 m ³ 17.25 08.20.02.14 13.4.3.4 Masking covers of cornices at footway level made of m ³ 16.63 16.63 TOTAL CONCRETE WORKS: TOTAL CONCRETE WORKS: TOTAL CONCRETE WORKS: 08.20.03.01 13.5.1 METALWORK Reinforcing bars in concrete members and constructions ** The protein clicolas procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. 08.20.03.01 13.5.1 Kibbd rebars R 400/500-2 kg 417.435.70 0	08.20.02.08	13.4.3.2		3			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	00.00.00.00	12.4.2.2	concrete, class II, MB 30, M-150, V-6.	m	1.15		
08.20.02.10 13.4.3.2 Abutment caps made of concrete, class II, MB 40, M- 150, V-6. 0.81 0.81 13.4.3.3 Spanning bridge construction of reinforced concrete 0.81 0.81 08.20.02.11 13.4.3.3 Main plate girder made of reinforced concrete class II, MB 40, M-150, V-6. m ³ 815.88 0.81 08.20.02.12 13.4.3.4 Cornices at footway level (including inspection manholes) cast in situ. Concrete class II MB 40, M-150, V-6 m ³ 40.00 08.20.02.13 13.4.3.5 Crossing slabs made of concrete MB 30, M-150, V-6 m ³ 17.25 08.20.02.14 13.4.3.4 Masking covers of cornices at footway level made of concrete, class II, MB 45, M-150, V-8. m ³ 16.63 TOTAL CONCRETE WORKS: OB 20.03.1 13.5.1 METALWORK Reinforcing bars in concrete members and constructions the price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. 417.435.70 08.20.03.01 13.5.1 Ribbed rebars RA 400/500-2 kg 417.435.70 08.20.03.03 13.7 S.7 guilis of cast iron, procurement and installation as designed. m' 17.00	08.20.02.09	13.4.3.2		3	282.04		
150, V-6. 0.81 08.20.02.11 13.4.3.3 Main plate girder made of reinforced concrete lass II, m3 40, 150, V-6. m3 815.88 08.20.02.12 13.4.3.4 Cornices at footway level (including inspection manholes) cast in situ. Concrete class II MB 40, M-150, V-6 m3 40.00 08.20.02.13 13.4.3.4 Crossing slabs made of concrete MB 30, M-150, V-6 m3 17.25 08.20.02.14 13.4.3.4 Masking covers of cornices at footway level made of concrete MB 30, M-150, V-6 m3 17.25 08.20.02.14 13.4.3.4 Masking covers of cornices at footway level made of concrete MB 30, M-150, V-6 m3 16.6.3 concrete, class II, MB 45, M-150, V-8. m3 16.6.3 TOTAL CONCRETE WORKS: TOTAL CONCRETE WORKS: Reinforcing bars in oncrete members and construction, fully as designed. % Exploring in procurement, cutting, bending and fixing or reinforcing bars in the construction, fully as designed. % Price includes procurement and installation as designed. % Price includes procurement ano	08 20 02 10	12/22		m	282.94		
13.4.3.3 Spanning bridge construction of reinforced concrete Image: construction of concrete class II, MB 40, M-150, V-6, m^3 B15.88 08.20.02.12 13.4.3.4 Cornices at footway level (including inspection manholes) cast in situ. Concrete class II MB 40, M-150, V-6 m^3 m^3 815.88 08.20.02.13 13.4.3.5 Crossing slabs made of concrete MB 30, M-150, V-6 m^3 m^3 40.00 08.20.02.14 13.4.3.4 Masking covers of cornices at footway level made of m^3 16.63 08.20.02.14 13.4.3.4 Masking covers of cornices at footway level made of m^3 16.63 08.20.02.14 13.4.3.4 Masking covers of cornices at footway level made of m^3 16.63 COTAL CONCRETE WORKS: COTAL CONCRETE WORKS: Reinforcing bars in concrete members and constructions * The price includes procurement, cuting, bending and fixing of reinforcing bars in the construction, fully as designed. 08.20.03.01 13.5.1 Ribbed rebars RA 400/500-2 kg 417,435.70 08.20.03.02 13.6 Expansion joints - procurement and installation as designed. pc. 7.00 08.20.03.04 13.8.3 Bridge bearings pc. 7.00 08.2	08.20.02.10	15.4.5.2	1		0.81		
08.20.02.11 13.4.3.3 Main plate girder made of reinforced concrete class II, m3 m3 815.88 08.20.02.12 13.4.3.4 Corrices at footway level (including inspection manholes) cast in situ. Concrete class II, MB 40, M-150, V-6 m3 40.00 08.20.02.13 13.4.3.5 Crossing slabs made of concrete MB 30, M-150, V-6 m3 17.25 08.20.02.14 13.4.3.4 Masking covers of cornices at footway level made of concrete, class II, MB 45, M-150, V-6 m3 16.63 TOTAL CONCRETE WORKS: Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. 17.00 08.20.03.01 13.5.1 Ribbed rebars RA 400/500-2 kg 417.435.70 08.20.03.02 13.6 Expansion joints - procurement and installation as designed. n' 17.00 08.20.03.03 13.7 S-7 guilies of cast iron, procurement and installation as designed. pc. 7.00 08.20.03.04 13.8.3 - protective mesh kg 584.50 1.40 08.20.03.05 13.9 Bridge bearings p. 4.00 1.40 1.40 08.2	13.4.3.3	13433			0.01		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		10.4.0.0	spunning strage construction of remittered concrete				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	08.20.02.11	13.4.3.3	Main plate girder made of reinforced concrete class II,				
(ast in situ. Concrete class II MB 40, M-150, V-6 m^3 40.00(08.20.02.1413.4.3.4Crossing slabs made of concrete MB 30, M-150, V-6 m^3 17.25(08.20.02.1413.4.3.4Masking covers of comices at footway level made of concrete, class II, MB 45, M-150, V-8. m^3 16.63(08.20.03.10)ISMETALWORKTOTAL CONCRETE WORKS:(08.20.03.11)METALWORKReinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.(08.20.03.01)13.5.1Ribbed rebars RA 400/500-2kg417,435.70(08.20.03.02)13.6Expansion joints - procurement and installation as designed.m'17.00(08.20.03.03)13.7S-7 gulies of cast iron, procurement and installation as designed.pc.7.00(08.20.03.04)13.8.3Steel bridge fences: - protective meshkg584.50-(08.20.03.05)13.9Bridge bearingspc10.0(08.20.04.01)FINISHING AND SUNDRY WORKS ON BRIDGES along the highway, 13/20 MB 40m'484.00-(08.20.04.02)13.10.1Concrete or stone curbs along the highway, 13/20 MB 40m'484.00-(08.20.04.02)13.10.3Applying one layer of bituite and one layer of hot along the highway, 13/20 MB 40m'484.00-(08.20.04.02)13.10.3Applying one layer of bituite and one layer of hot bitume not concret surfaces in contart with earth.m'484.00 </td <td></td> <td></td> <td></td> <td>m³</td> <td>815.88</td> <td></td> <td></td>				m ³	815.88		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	08.20.02.12	13.4.3.4					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			cast in situ. Concrete class II MB 40, M-150, V-6				
08.20.02.14 13.4.3.4 $\frac{m^3}{Masking covers of cornices at footway level made of concrete, class II, MB 45, M-150, V-8. m^3 16.63 TOTAL CONCRETE WORKS: OB.20.03. IS METALWORK Concrete, class II, MB 45, M-150, V-8. TOTAL CONCRETE WORKS: OB.20.03.01 IS.5.1 METALWORK Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. designed MT-100. m' 17.00 O8.20.03.02 IS.61 REbed rebars RA 400/500-2 kg 417,435.70 Expansion joints - procurement and installation as designed. m' 17.00 OB.20.03.02 IS.64 Expansion joints - procurement and installation as designed. m' 17.00 Colspan="4">Colspan= 44400 Colspan="4">Colsp$				m ³	40.00		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	08.20.02.13	13.4.3.5	Crossing slabs made of concrete MB 30, M-150, V-6	3			
concrete, class II, MB 45, M-150, V-8. m³ 16.63 TOTAL CONCRETE WORKS: OB.20.03. ISTAL WORK TOTAL CONCRETE WORKS: * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. Keinforcing bars in the construction, fully as designed. 08.20.03.01 13.5.1 Ribbed rebars RA 400/500-2 kg 417,435.70				m	17.25		
TOTAL CONCRETE WORKS: TOTAL CONCRETE WORKS: 08.20.03. TOTAL CONCRETE WORKS: 08.20.03. TOTAL CONCRETE WORKS: 08.20.03.01 13.5 METALWORK Reinforcing bars in concrete members and constructions $^{\circ}$ The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. designed. 08.20.03.01 13.5.1 Ribbed rebars RA 400/500-2 kg 417,435.70 08.20.03.02 13.6 Expansion joints - procurement and installation as designed. 08.20.03.03 13.7 S.7 guilles of cast iron, procurement and installation as designed. ISSUE bridge fences: get colspan="2">c 7.00 ISSUE bridge fences: get colspan="2">c TOTAL METAL WORK O8.20.03.05 13.8 Stele bridge fences: get colspan="2">C O8.20.04.1 ISINE FINE MING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * TOTAL METAL WORK 0 </td <td>08.20.02.14</td> <td>13.4.3.4</td> <td></td> <td>3</td> <td>16.62</td> <td></td> <td></td>	08.20.02.14	13.4.3.4		3	16.62		
08.20.03. 13.5 METALWORK Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. 08.20.03.01 13.5.1 Ribbed rebars RA 400/500-2 kg 417,435.70 08.20.03.02 13.6 Expansion joints - procurement and installation as designed. m' 17.00 08.20.03.03 13.7 S-7 gullies of cast iron, procurement and installation as designed. pc. 7.00 08.20.03.04 13.8.3 - protective mesh designed. pc. 7.00 08.20.03.05 13.9 Bridge fences: NAL-b 350x450x85 pc. 4.00 TOTAL METAL WORK Concert or stone curbs along the highway, 13/20 MB 40 08.20.04.01 13.10.1 Concret or stone curbs along the highway, 13/20 MB 40 m' 484.00 along the highway, 13/20 MB 40 08.20.04.03 13.10.3 Applying one layer of bitulite and one layer of hot bitume onto concrete surfaces in contact with earth. m' 484.00 along the highway, 13/20 MB 40			concrete, class II, MB 45, M-150, V-8.				
Reinforcing bars in concrete members and constructions * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. 08.20.03.01 13.5.1 Ribbed rebars RA 400/500-2 kg 08.20.03.02 13.6 Expansion joints - procurement and installation as designed. m' 08.20.03.03 13.7 S-7 gullies of cast iron, procurement and installation as designed. pc. 08.20.03.04 13.8.3 - protective mesh kg 08.20.03.05 13.9 Bridge bearings				1	TOTAL CONCI	RETE WORKS	:
image: state	08.20.03.	13.5					
initial designed.fixing of reinforcing bars in the construction, fully as designed.08.20.03.0113.5.1Ribbed rebars RA 400/500-2kg417,435.7008.20.03.0213.6Expansion joints - procurement and installation as designed MT-100.m'17.0008.20.03.0313.7S.7 gullies of cast iron, procurement and installation as designed.pc.7.0008.20.03.0413.8.3- protective meshkg584.5008.20.03.0513.9Bridge bearingsNaL-b 350x450x85pc.4.00TOTAL METAL WORKON BRIDGESThis shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed.08.20.04.0113.10.1Concrete or stone curbs along the highway, 13/20 MB 40m'484.0008.20.04.0213.10.3Applying one layer of bitulite and one layer of hot bitume onto concrete surfaces in contact with earth.m ² 1,396.00				ns			
08.20.03.01 13.5.1 Ribbed rebars RA 400/500-2 kg 417,435.70 08.20.03.02 13.6 Expansion joints - procurement and installation as designed MT-100. m' 17.00 08.20.03.03 13.7 S-7 gullies of cast iron, procurement and installation as designed. pc. 7.00 08.20.03.04 13.8 Steel bridge fences: - - 08.20.03.05 13.9 Bridge bearings - - NaL-b 350x450x85 pc. 4.00 - - 08.20.04.01 13.1.01 FINISHING AND SUNDRY WORKS ON BRIDGES - - This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. - - 08.20.04.01 13.10.1 Concrete or stone curbs along the highway, 13/20 MB 40 m' 484.00 - 08.20.04.02 13.10.3 Applying one layer of bitulite and one layer of hot bitume onto concrete surfaces in contact with earth. - - -							
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							
08.20.03.0213.6 $IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII$	08 20 02 01	12 5 1					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	00.20.03.01	13.3.1	NIOUU ICUAIS INA 400/300-2	ko	417 435 70		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	08.20.03.02	13.6	Expansion joints - procurement and installation as	тg	117,433.70		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		13.0		m'	17.00		
08.20.03.04 13.8 $13.8.3$ $13.8.3$ 13.9 13.9 13.9 13.9 $13.10.3$ $13.10.1$ $13.10.1$ $13.10.11$ $13.10.1$ $13.10.11$ $13.10.11$ $13.10.2$ $13.10.2$ $13.10.2$ $13.10.2$ $13.10.3$ $13.10.$	08.20.03.03	13.7					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				pc.	7.00		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		13.8	Steel bridge fences:				
Image: Constraint of the second se	08.20.03.04		•	kg	584.50		
TOTAL METAL WORK 08.20.04. 13.1 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 08.20.04.02 13.10.2 Insulating coat on pavement top m' 484.00 08.20.04.03 13.10.3 Applying one layer of bitulite and one layer of hot bitume onto concrete surfaces in contact with earth. m ² 1,396.00	08.20.03.05	13.9	Bridge bearings				
TOTAL METAL WORK 08.20.04. 13.1 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * * The price includes procurement, construction and installation as designed. Concrete or stone curbs along the highway, 13/20 MB 40 08.20.04.02 13.10.2 Insulating coat on pavement top m' 484.00 08.20.04.03 13.10.3 Applying one layer of bitulite and one layer of hot bitume onto concrete surfaces in contact with earth. m ² 1,396.00							
08.20.04. 13.1 FINISHING AND SUNDRY WORKS ON BRIDGES This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. * 08.20.04.01 13.10.1 Concrete or stone curbs along the highway, 13/20 MB 40 m' 484.00 08.20.04.02 13.10.2 Insulating coat on pavement top m 1,396.00 08.20.04.03 13.10.3 Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. m ² 1,396.00			NaL-b 350x450x85	pc.	4.00		
This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed. 08.20.04.01 13.10.1 Concrete or stone curbs along the highway, 13/20 MB 40 m' 484.00 08.20.04.02 13.10.2 Insulating coat on pavement top m ² 1,396.00 08.20.04.03 13.10.3 Applying one layer of bitulite and one layer of hot bitume onto concrete surfaces in contact with earth.					TOTAL N	METAL WORK	
* The price includes procurement, construction and installation as designed. 08.20.04.01 13.10.1 Concrete or stone curbs along the highway, 13/20 MB 40 m' 08.20.04.02 13.10.2 Insulating coat on pavement top m ² 08.20.04.03 13.10.3 Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth.	08.20.04.	13.1					
08.20.04.01 13.10.1 Installation as designed. 08.20.04.02 13.10.2 Concrete or stone curbs along the highway, 13/20 MB 40 m' 484.00 08.20.04.02 13.10.2 Insulating coat on pavement top m ² 1,396.00 08.20.04.03 13.10.3 Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Insulation concrete surfaces in contact with earth.							
08.20.04.01 13.10.1 Concrete or stone curbs along the highway, 13/20 MB 40 m' 484.00 08.20.04.02 13.10.2 Insulating coat on pavement top m ² 1,396.00 08.20.04.03 13.10.3 Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. m 484.00							
along the highway, 13/20 MB 40 m' 484.00 08.20.04.02 13.10.2 Insulating coat on pavement top m ² 1,396.00 08.20.04.03 13.10.3 Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Image: Contact with earth. Image: Contact with earth.			installation as designed.	L	r	1	1
08.20.04.02 13.10.2 Insulating coat on pavement top m ² 1,396.00 08.20.04.03 13.10.3 Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Image: Contact with earth in the surface of the surfa	08.20.04.01	13.10.1	Concrete or stone curbs				
08.20.04.03 13.10.3 Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. 13.10.3				m'	484.00		
08.20.04.03 13.10.3 Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth.	08/20/04/02	13.10.2	Insulating coat on pavement top	2	1 20 4 00		
bitumen onto concrete surfaces in contact with earth.	00.20.04.02			i m~	1 396.00	1	1
bitumen onto concrete surfaces in contact with earth. $m^2 = 874.30$		12.10.2			1,570.00		
		13.10.3			1,570.00		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.20.04.04	13.10.4	Bituminous pavement base course, BNHS 16A, 5 cm	2			
		thick	m ²	1,347.00		
08.20.04.05	13.10.4	Pavement wearing course of skeleton mastic asphalt				
		SMA 0/11S, 4cm thick	m ²	1,347.00		
08.20.04.06	13.10.5	Trial loading of constructed bridge.				
				lump su	m	
08.20.04.07	13.10.6	Photographing during bridge construction				
			Ļ,	lump su	m	
08.20.04.08	13.10.8	Fitting and sealing joints with elastic bituminous sealing				
		compound ('livobit) on asphalt next to curbs and cornices				
		at footway level and next to expansion joints	m'	516.00		
08.20.04.09	13.11.1		m	516.00		
08.20.04.09	13.11.1	Laying PVC pipes into footways (cat walks), Ø110 mm	m'	120.00		
08.20.04.10	13.11.2	Epoxy and polyure than preservative on footways	m	120.00		
00.20.04.10	13.11.2	Epoxy and polyaremane preservative on rootways	m ²	244.00		
08.20.04.11	13.11.8	Construction of cementitious grouting mortar beds				
	additional					
	specifications		m ²	2.56		
08.20.04.12	13.7.2	Cast iron pipes for gully water discharge including all				
		fixing accessories.	m'	9.00		
		TOTAL FINISHING AN	ID SUN	DRY WORKS	ON BRIDGES:	

SUMMARY OVERPASS AT km 0+038.46		
08.20.01 EARTH WORKS		
08.20.02 CONCRETE		
08.20.03 METALWORK		
08.20.04 FINISHING AND SUNDRY WORKS ON BRIDGES		
ТОТА	L OVERPASS AT km 0+038.46	

08.21.UNDERPASS AT km 0+30.0 OF SPLIT LEVEL CROSSROAD PREDEJANE

Item No.	T.S.	0.0 OF SPLIT LEVEL CROSSROAD PREDEJANE Work Description	Unit	Quantity	Unit Price	Total
08.21.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.21.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	630.00		
		1	m	050.00		
		- at depth of 2-4 m	m ³	122.50		
08.21.01.02	13.2.2	Extra for excavation of foundations with pumping of 30				
		lit/min - 120 lit/min water.	m ³	400.00		
08.21.01.03	13.2.4	Backfilling of pier foundations with earth in 30 cm thick				
		layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	378.00		
08.21.01.04	13.2.5	Construction of wedge made of well-graded gravel				
		compacted in 30 cm thick layers to modulus of				
		compressibility Ms=40 MPa. It shall be constructed				
		behind the abutments.				
		Payment per m ³ of compacted gravel.	m ³	400.00		
08.21.01.05	13.2.7	Placing the sub-base made of gravel and sand in 30 cm				
	additional	thick layers under foundation including compaction of				
	specifications	layers to modulus of compressibility Ms=30 MPa.				
		Payment per m ³ of compacted gravel.	m ³	39.60		
08.21.01.06	13.2.9	Placing 80 cm thick cover protecting a gravel wedge made				
	additional	of gravel sand where top 30 cm shall be stabilized with				
	specifications	cement and bottom 50 cm compacted in two layers to				
		modulus of compressibility Ms=40 MPa.				
			3	20.20		
		Payment per m ³ of compacted gravel.	m ³	39.20		
				TOTAL EA	RTH WORKS:	
08.21.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by				
		* Reinforcing bars shall be paid separately, except for bore	d piles.			
		* Cables shall be paid separately.				
		* The price of concrete includes formwork and scaffold.	1	,		
		* Payment per m ³ of placed concrete for completely perform	ned wo	rk		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
	13.4.1	Plain concrete			,	
08.21.02.01	13.4.1.3	Blinding layer, 10 cm thick, made of concrete, class I MB				
	additional	15 under foundation, pile caps and crossing slabs.	3			
	specifications		m ³	28.70		
08.21.02.02	13.4.1.2	Protective concrete over waterproofing layer (MB20,				
	additional	5cm) with galvanized mesh .	2			
	specifications		m ²	209.50		
	13.4.3	Reinforced concrete constructions				
08.21.02.03	13.4.3.1	Strip foundations, foundations for wings, counter-beams,				
		slab foundations, cushions and pile caps made of				
		reinforced concrete, class III MB 30, M-150, V-6.	m ³	122.80		
	13.4.3.2	Piers supporting plain spanning constructions of differ		122.80	ng haama	
08.21.02.04	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30,	ent sys	tems and bearn	ig beams	
08.21.02.04	15.4.5.2	M-150, V-6.	m ³	92.60		
08.21.02.05	13.4.3.2	Abutment wing walls made of concrete, class II, MB 30,	m	92.00		
08.21.02.03	15.4.5.2	M-150, V-6.	m ³	32.40		
	13.4.3.3	Spanning bridge construction of reinforced concrete	- 111	32.40		
	13.4.3.3	spanning bridge construction of remoteed concrete				
08.21.02.06	13.4.3.3	Main plate girder made of reinforced concrete class II,				
00.21.02.00	15.1.5.5	MB 30, M-150,V-6.	m ³	54.00		
08.21.02.07	13.4.3.4	Cornices at footway level (including inspection manholes)		5 1.00		
00.21.02.07	13.4.3.4	cast in situ. Concrete class II MB 30, M-150, V-6				
			m ³	8.50		
08.21.02.08	13.4.3.5	Crossing slabs made of concrete MB 30, M-150, V-6		0.00		
00121102100	10111010		m ³	36.00		
	•		т	OTAL CONCI	RETE WORKS:	
00 21 02	12.5	METALWORK	-	011112 001101		
08.21.03.	13.5	Reinforcing bars in concrete members and construction				
			lis			
		* The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as				
		designed.				
08.21.03.01	13.5.1	Ribbed rebars RA 400/500-2				
08.21.05.01	15.5.1	Kibbed rebars KA 400/500-2	kg	87,310.33		
	13.8	Steel bridge fences:	NB	07,510.55		
08.21.03.02	13.8.2	- tubular fences or fences made of steel sections	kg	400.00		
		•		TOTAL N	METAL WORK	
08.21.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
00.21.04.	15.1	This shall apply to all items of finishing works:	r			
		* The price includes procurement, construction and	-			
		installation as designed.				
08.21.04.01	13.10.1	Concrete or stone curbs				
08.21.04.01	15.10.1	along the highway, 13/20 MB 40	m'	12.00		
08.21.04.02	13.10.2	Insulating coat on pavement top	m	12.00		
00.21.04.02	13.10.2	insulating coat on pavement top	m^2	104.80		
08.21.04.03	13.10.3	Applying one layer of bitulite and one layer of hot		107.00		
00.21.04.05	15.10.5	bitumen onto concrete surfaces in contact with earth.				
		ortumen onto concrete surfaces in contact with caltil.	m ²	608.20		
08.21.04.04	13.10.4	Bituminous pavement base course, BNHS 16A, 5 cm	111	000.20		
00.21.04.04	13.10.4	thick	m ²	74.40		
08.21.04.05	13.10.4	Pavement wearing course of skeleton mastic asphalt		7 1.40		
00.21.04.03	13.10.4	SMA 0/11S, 4cm thick	m ²	74.40		
08 21 04 06	12 10 5	Trial loading of constructed bridge.	m	74.40	1	
08.21.04.06	13.10.5	That toading of constructed bridge.		hime a	Im	
08.21.04.07	13.10.6	Photographing during bridge construction		lump sı		
00.21.04.07	15.10.0	i notographing during bridge constituction		lump su	ım	
08.21.04.08	13.10.8			iump st		
00.21.04.00	13.10.0	Fitting and sealing joints with elastic bituminous sealing				
		compound ('livobit) on asphalt next to curbs and cornices				
		at footway level and next to expansion joints	m'	24.00		
				21.00		
08,21.04.09	13.11.2	Epoxy and polyurethane preservative on footways				
08.21.04.09	13.11.2	Epoxy and polyurethane preservative on footways	m ²	36.00		
08.21.04.09 08.21.04.10	13.11.2 13.11.8		m ²	36.00		
		Epoxy and polyurethane preservative on footways Construction of cementitious grouting mortar beds		36.00		
	13.11.8 additional		m ²	36.00		
	13.11.8		m ²	2.64	ON BRIDGES:	

SUMMARY UNDERPASS AT km 0+030.0

08.21.01 EARTH WORKS

08.21.02 CONCRETE

08.21.03 METALWORK

08.21.04 FINISHING AND SUNDRY WORKS ON BRIDGES

TOTAL UNDERPASS AT km 0+030.0

		T km 0+112.53 OF SPLIT LEVEL CROSSROAD PREI	DEJAN Unit		Unit Duige	Tatal
Item No. 08.22.01.	T.S. 13.2	Work Description EARTH WORKS	Unit	Quantity	Unit Price	Total
00.22.01.	13.2	Excavation for foundations				
08.22.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	617.90		
		- at depth of 2-4 m	m ³	309.95		
08.22.01.02	13.2.5	Construction of wedge made of well-graded gravel				
		compacted in 30 cm thick layers to modulus of				
		compressibility Ms=40 MPa. It shall be constructed behind the abutments.				
		Payment per m ³ of compacted gravel.	m ³	1,226.18		
08.22.01.03	13.2.7	Placing the sub-base made of gravel and sand in 30 cm	m	1,220.10		
00122101102	additional	thick layers under foundation including compaction of				
	specifications	layers to modulus of compressibility Ms=30 MPa.				
		Payment per m ³ of compacted gravel.	m ³	149.60		
				TOTAL EA	ARTH WORKS:	
08.22.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by		ng.		
		* Reinforcing bars shall be paid separately, except for bore	d piles.			
		* Cables shall be paid separately.* The price of concrete includes formwork and scaffold.				
		* Payment per m ³ of placed concrete for completely perform	med wo	rk		
	13.4.1	Plain concrete	linea wo	IK .		
08.22.02.01	13.4.1.3	Blinding layer, 15 cm thick, made of concrete, class I MB				
	additional	15 under foundation, pile caps and crossing slabs.	2			
	specifications		m ²	60.27		
08.22.02.02	13.1.4.1	Concrete layer for slope. Concrete class I MB 20.				
	additional		m ³	128.52		
08.22.02.03	specifications 13.1.4.2		111	126.52		
00122102100	additional	Protective concrete over waterproofing layer (MB20,				
	specifications	5cm) with galvanized mesh.	m ²	359.04		
	13.4.3	Reinforced concrete constructions				
08.22.02.04	13.4.3.1	Strip foundations, foundations for wings, counter-beams,				
		slab foundations, cushions and pile caps made of				
		reinforced concrete, class III MB 30, M-150, V-6.	m ³	167.09		
	13.4.3.2	Piers supporting plain spanning constructions of				
		different systems and bearing beams				
08.22.02.05	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30,	3			
00.00.00	10.4.0.0	M-150, V-6.	m ³	251.47		
08.22.02.06	13.4.3.2	Abutment wing walls made of concrete, class II, MB 30,	m ³	59.30		
	13.4.3.3	M-150, V-6. Spanning bridge construction of reinforced concrete	ш	37.30	<u>├</u>	
	10171010	struge construction of remotecu concrete				
08.22.02.07	13.4.3.3	Main plate girder made of reinforced concrete class II,				
		MB 30, M-150, V-6.	m ³	83.81		
08.22.02.08	13.4.3.4	Cornices at footway level (including inspection manholes)				
		cast in situ. Concrete class II MB 30, M-150, V-6	m ³	1.70		
	1	1		1.70		
			1	UTAL CONCI	RETE WORKS:	
08.22.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and	ıs			
		fixing of reinforcing bars in the construction, fully as				
		designed.				
08.22.03.01	13.5.1	Ribbed rebars RA 400/500-2				
			kg	56,058.36		
00.00.00.00	13.8	Steel bridge fences:		171.20		
08.22.03.02	13.8.2	- tubular fences or fences made of steel sections	kg	171.20		
				TOTAL N	METAL WORK	
08.22.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
08.22.04.01	13.10.2	installation as designed. Insulating coat on pavement top				
00.22.04.01	13.10.2	insulating coat on pavement top	m ²	359.04		
	+	.		207101	۰ - L	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.22.04.02	13.10.3	Applying one layer of bitulite and one layer of hot				
		bitumen onto concrete surfaces in contact with earth.	m^2	951.15		
08.22.04.03	13.10.5	Trial loading of constructed bridge.	111	951.15		
08.22.04.05	15.10.5	That foading of constructed bridge.		lump su	m	
08.22.04.04	13.10.6	Photographing during bridge construction				
				lump su	m	
08.22.04.05	13.10.8	Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices				
		at footway level and next to expansion joints	m'	7.40		
08.22.04.06	13.11.6	Crashed stone revetment				
	additional specifications		m ³	95.64		
08.22.04.07	13.11.15	'Fugeband" tapes for sealing concrete conections				
	additional					
	specifications		m'	154.00		
	•	TOTAL FINISHING AN	ND SUN	DRY WORKS	ON BRIDGES:	

SUMMARY SLAB TOP CULVERT AT km 0+112.53

 08.22.01 EARTH WORKS
 Image: Concrete

 08.22.02 CONCRETE
 Image: Concrete

 08.22.03 METALWORK
 Image: Concrete

 08.22.04 FINISHING AND SUNDRY WORKS ON BRIDGES
 Image: Concrete

 TOTAL SLAB TOP CULVERT AT km 0+112.53

08.23.BRIDGE AT km 0+264.889

08.23.BRIDGE	T.S.	Work Description	Unit	Ouantity	Unit Price	Total
08.23.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.23.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	2,060.20		
			m	2,000.20		
		- at depth of 2-4 m	m ³	1,445.70		
08.23.01.02	13.2.1	Excavation of foundations in V category soil and		-		
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 4-6 m	m ³	1,032.10		
08.23.01.03	13.2.2	Extra for excavation of foundations with pumping of 30	m	1,052.10		
		lit/min - 120 lit/min water.	m ³	2,000.00		
08.23.01.04	13.2.4	Backfilling of pier foundations with earth in 30 cm thick				
		layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	1,589.00		
08.23.01.05	13.2.5	Construction of wedge made of well-graded gravel				
		compacted in 30 cm thick layers to modulus of				
		compressibility Ms=40 MPa. It shall be constructed				
		behind the abutments.				
		Payment per m ³ of compacted gravel.	m ³	752.80		
08.23.01.06	13.2.8	Construction of end slope of material from the cutting or				
	additional	borrow pit including mechanical compaction in 30 cm				
	specifications	thick layers, fully as designed.				
		Payment per m3 of compacted material.	m ³	663.00		
08.23.01.07	13.2.9	Placing 80 cm thick cover protecting a gravel wedge made				
	additional	of gravel sand where top 30 cm shall be stabilized with				
	specifications	cement and bottom 50 cm compacted in two layers to				
		modulus of compressibility Ms=40 MPa.				
		Payment per m3 of compacted material.	3	1.50.00		
		Payment per m5 of compacted material.	m ³	152.00		
				TOTAL EA	ARTH WORKS:	
08.23.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by				
		* Reinforcing bars shall be paid separately, except for bore	d piles.			
		* Cables shall be paid separately.				
		* The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform	mad w	ul-		
		* Payment per m ² of placed concrete for completely perform	mea wo	IK		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.23.02.01	13.4.1 13.4.1.3	Plain concrete Blinding layer, 10 cm thick, made of concrete, class I MB				
00.23.02.01	additional	15 under foundation, pile caps and crossing slabs.				
	specifications		m ³	14.30		
	13.4.3	Reinforced concrete constructions				
08.23.02.02	13.4.3.1	Strip foundations, foundations for wings, counter-beams, slab foundations, cushions and pile caps made of				
		reinforced concrete, class III MB 30, M-150, V-6.				
		Tempored concrete, class in MD 50, M-150, V-0.	m ³	85.80		
	13.4.3.2	Piers supporting plain spanning constructions of				
08.23.02.03	13.4.3.2	different systems and bearing beams Abutment bodies constructed of concrete, class II, MB 30,				
08.25.02.05	15.4.5.2	M-150, V-6.	m ³	150.00		
08.23.02.04	13.4.3.2	Abutment wing walls made of concrete, class II, MB 30,				
		M-150, V-6.	m ³	69.30		
08.23.02.05	13.4.3.2	Pedestrian cantilever walkway at abutment wing walls constructed of concrete, class II, MB 30, M-150, V-6.				
		constructed of concrete, class II, MB 50, M-150, V-0.	m ³	30.00		
	13.4.3.3	Spanning bridge construction of reinforced concrete				
08.23.02.06	13.4.3.3	Main plate girder made of reinforced concrete class II, MB 30, M-150,V-6.	m ³	94.20		
08.23.02.07	13.4.3.4	Cornices at footway level (including inspection manholes)	m	94.20		
		cast in situ. Concrete class II MB 30, M-150, V-6				
			m ³	16.70		
08.23.02.08	13.4.3.5	Crossing slabs made of concrete MB 30, M-150, V-6	m ³	20.10		
					RETE WORKS:	
08.23.02.	13.5	METALWORK	-	01111 001101		
00.25.02.	15.5	Reinforcing bars in concrete members and construction	15			
		* The price includes procurement, cutting, bending and				
		fixing of reinforcing bars in the construction, fully as				
00.02.02.01	12.5.1	designed.				
08.23.03.01	13.5.1	Ribbed rebars RA 400/500-2	kg	69,264.81		
					METAL WORK	
08.23.04.	13.10	FINISHING AND SUNDRY WORKS ON BRIDGES				
00.2010 11	10110	This shall apply to all items of finishing works:				
		* The price includes procurement, construction and installa	ation as	designed.		
08.23.04.01	10 10 1					
00.20.04.01	13.10.1	Concrete or stone curbs		52.50		
		along the highway, 13/20 MB 40	m' 2	53.50		
08.23.04.02	13.10.2	along the highway, 13/20 MB 40 Insulating coat on pavement top	m' m ²	53.50 174.70		
		along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot				
08.23.04.02	13.10.2	along the highway, 13/20 MB 40 Insulating coat on pavement top				
08.23.04.02	13.10.2	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm	m ² m ²	174.70 1,078.70		
08.23.04.02 08.23.04.03 08.23.04.04	13.10.2 13.10.3 13.10.4	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick	m ²	174.70		
08.23.04.02 08.23.04.03	13.10.2 13.10.3	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt	m^2 m^2 m^2	174.70 1,078.70 117.70		
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05	13.10.2 13.10.3 13.10.4 13.10.4	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick	m ² m ²	174.70 1,078.70		
08.23.04.02 08.23.04.03 08.23.04.04	13.10.2 13.10.3 13.10.4	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt	m^2 m^2 m^2	174.70 1,078.70 117.70 117.70		
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05	13.10.2 13.10.3 13.10.4 13.10.4	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick	m^2 m^2 m^2	174.70 1,078.70 117.70 117.70 lump su		
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05 08.23.04.06 08.23.04.07	13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge.	m^2 m^2 m^2	174.70 1,078.70 117.70 117.70		
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05 08.23.04.06	13.10.2 13.10.3 13.10.4 13.10.4 13.10.5	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge.	m^2 m^2 m^2	174.70 1,078.70 117.70 117.70 lump su		
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05 08.23.04.06 08.23.04.07	13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices	m^2 m^2 m^2	174.70 1,078.70 117.70 117.70 lump su		
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05 08.23.04.06 08.23.04.07	13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing	m^2 m^2 m^2	174.70 1,078.70 117.70 117.70 lump su		
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05 08.23.04.06 08.23.04.07	13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints	m ² m ² m ² m ²	174.70 1,078.70 117.70 117.70 117.70 lump su 53.50		
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05 08.23.04.06 08.23.04.07 08.23.04.08 08.23.04.09	13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6 13.10.8 13.11.1	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm	m ² m ² m ²	174.70 1,078.70 117.70 117.70 lump su lump su		
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05 08.23.04.06 08.23.04.07 08.23.04.08	13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6 13.10.8	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints	m ² m ² m ² m ²	174.70 1,078.70 117.70 117.70 117.70 lump su 53.50 214.00		
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05 08.23.04.06 08.23.04.07 08.23.04.08 08.23.04.09	13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6 13.10.8 13.11.1	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm	m ² m ² m ² m ²	174.70 1,078.70 117.70 117.70 117.70 lump su 53.50		
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05 08.23.04.06 08.23.04.07 08.23.04.08 08.23.04.09 08.23.04.10	13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6 13.10.8 13.11.1 13.11.2 13.11.6 additional	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways	m ² m ² m ² m ² m ²	174.70 1,078.70 117.70 117.70 lump su 1000 su 53.50 214.00 56.18		
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05 08.23.04.06 08.23.04.07 08.23.04.08 08.23.04.09 08.23.04.10	13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6 13.10.8 13.11.1 13.11.2 13.11.6	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways Crashed stone revetment	m ² m ² m ² m ² m ² m ² m ³	174.70 1,078.70 117.70 117.70 117.70 117.70 10mp su 53.50 214.00 56.18 69.10	m	
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05 08.23.04.06 08.23.04.07 08.23.04.08 08.23.04.09 08.23.04.10	13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6 13.10.8 13.11.1 13.11.2 13.11.6 additional	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways	m ² m ² m ² m ² m ² m ² m ³	174.70 1,078.70 117.70 117.70 117.70 117.70 10mp su 53.50 214.00 56.18 69.10	m	
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05 08.23.04.06 08.23.04.07 08.23.04.08 08.23.04.09 08.23.04.10 08.23.04.11	13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6 13.10.6 13.10.8 13.11.1 13.11.2 13.11.6 additional specifications	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit) on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways Crashed stone revetment TOTAL FINISHING AN	m ² m ² m ² m ² m ² m ² m ³	174.70 1,078.70 117.70 117.70 117.70 117.70 10mp su 53.50 214.00 56.18 69.10	m	
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05 08.23.04.06 08.23.04.07 08.23.04.08 08.23.04.09 08.23.04.10 08.23.04.11 08.23.04.11	13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6 13.10.6 13.10.8 13.11.1 13.11.2 13.11.6 additional specifications	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit') on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways Crashed stone revetment TOTAL FINISHING AN	m ² m ² m ² m ² m ² m ² m ³	174.70 1,078.70 117.70 117.70 117.70 117.70 10mp su 53.50 214.00 56.18 69.10	m	
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05 08.23.04.06 08.23.04.07 08.23.04.08 08.23.04.09 08.23.04.10 08.23.04.11 08.23.04.11	13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6 13.10.6 13.10.8 13.11.1 13.11.2 13.11.6 additional specifications	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit') on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways Crashed stone revetment TOTAL FINISHING AN	m ² m ² m ² m ² m ² m ² m ³	174.70 1,078.70 117.70 117.70 117.70 117.70 10mp su 53.50 214.00 56.18 69.10	m	
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05 08.23.04.06 08.23.04.07 08.23.04.09 08.23.04.09 08.23.04.10 08.23.04.11 UMMARY BR 08.23.01	13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6 13.10.6 13.10.8 13.11.1 13.11.2 13.11.6 additional specifications	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit') on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways Crashed stone revetment TOTAL FINISHING AN	m ² m ² m ² m ² m ² m ² m ³	174.70 1,078.70 117.70 117.70 117.70 117.70 10mp su 53.50 214.00 56.18 69.10	m	
08.23.04.02 08.23.04.03 08.23.04.04 08.23.04.05 08.23.04.06 08.23.04.07 08.23.04.07 08.23.04.09 08.23.04.10 08.23.04.11 UMMARY BR 08.23.01 08.23.02	13.10.2 13.10.3 13.10.4 13.10.4 13.10.5 13.10.6 13.10.6 13.10.8 13.11.1 13.11.2 13.11.6 additional specifications	along the highway, 13/20 MB 40 Insulating coat on pavement top Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth. Bituminous pavement base course, BNHS 16A, 5 cm thick Pavement wearing course of skeleton mastic asphalt SMA 0/11S, 4cm thick Trial loading of constructed bridge. Photographing during bridge construction Fitting and sealing joints with elastic bituminous sealing compound ('livobit') on asphalt next to curbs and cornices at footway level and next to expansion joints Laying PVC pipes into footways (cat walks), Ø110 mm Epoxy and polyurethane preservative on footways Crashed stone revetment TOTAL FINISHING AN +264.889 S	m ² m ² m ² m ² m ² m ² m ³	174.70 1,078.70 117.70 117.70 117.70 117.70 10mp su 53.50 214.00 56.18 69.10	m	

08.23.04 FINISHING AND SUNDRY WORKS ON BRIDGES

TOTAL BRIDGE AT km 0+264.889

08.24.BRIDGE AT LOCAL ROAD L5, AT km 0+115.365

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.24.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.24.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m^3 of excavated earth				
			2			
		- at depth of 0-2 m	m ³	321.00		
		- at depth of 2-4 m	m ³	279.00		
		- at depth of 4-6 m	m ³	176.60		
08.24.01.02	13.2.2	Extra for excavation of foundations with pumping of 30		1,0100		1
00.24.01.02	15.2.2	lit/min - 120 lit/min water.	m ³	500.00		
09 24 01 02	12.2.4	Backfilling of pier foundations with earth in 30 cm thick	- 111	300.00		+
08.24.01.03	13.2.4					
		layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.	2			
		Payment per m ³ of compacted earth.	m ³	133.40		
08.24.01.04	13.2.5	Construction of wedge made of well-graded gravel				
		compacted in 30 cm thick layers to modulus of				
		compressibility Ms=40 MPa. It shall be constructed				
		behind the abutments.				
		Payment per m ³ of compacted gravel.	m ³	160.00		
00 04 01 05	12.2.0			100.00		
08.24.01.05	13.2.9	Placing 80 cm thick cover protecting a gravel wedge made				
	additional	of gravel sand where top 30 cm shall be stabilized with				
	specifications	cement and bottom 50 cm compacted in two layers to				
		modulus of compressibility Ms=40 MPa.				
		Payment per m ³ of compacted gravel.	m ³	31.70		
					A DTH WODKS.	
				IOIAL EA	ARTH WORKS:	
08.24.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by	vibrati	ng.		
		* Reinforcing bars shall be paid separately, except for bore				
		* Cables shall be paid separately.	. 1			
		* The price of concrete includes formwork and scaffold.				
		* Payment per m ³ of placed concrete for completely perfor	med wo	rk		
	13.4.1	Plain concrete		IK		
08 24 02 01	13.4.1.3	Blinding layer, 10 cm thick, made of concrete, class I MB				<u>т </u>
08.24.02.01						
	additional	15 under foundation, pile caps and crossing slabs.	m ³	7.00		
	specifications		m	7.60		<u> </u>
08.24.02.02	13.1.4.1	Concrete layer for slope. Concrete class I MB 20.				
	additional		2			
	specifications		m ³	3.70		
08.24.02.03	13.1.4.2	Protective concrete over waterproofing layer (MB20,				
	additional	5cm) with galvanized mesh .				
	specifications	Schi) whith garvanized mesh .	m ²	54.00		
	13.4.3	Reinforced concrete constructions				
08.24.02.04	13.4.3.1	Strip foundations, foundations for wings, counter-beams,				
		slab foundations, cushions and pile caps made of				
		reinforced concrete, class III MB 30, M-150, V-6.			1	
			m ³	20.60	1	
	12 4 2 2	Dions supporting plain manning an		20.00	1	+
	13.4.3.2	Piers supporting plain spanning constructions of			1	
00.04.00.07	10.4.5.5	different systems and bearing beams	├			+
08.24.02.05	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30,	3	e = 0 -	1	
		M-150, V-6.	m ³	27.00	 	<u> </u>
08.24.02.06	13.4.3.2	Abutment wing walls made of concrete, class II, MB 30,	2		1	
		M-150, V-6.	m ³	24.00	ļ	<u> </u>
	13.4.3.3	Spanning bridge construction of reinforced concrete	T		_	
08.24.02.07	13.4.3.3	Main plate girder made of reinforced concrete class II,			<u> </u>	
		MB 30, M-150,V-6.	m ³	23.20	1	
08.24.02.08	13.4.3.4	Cornices at footway level (including inspection manholes)				
		cast in situ. Concrete class II MB 30, M-150, V-6			1	
			m ³	13.80	1	
08.24.02.09	13.4.3.5	Crossing slabs made of concrete MB 30, M-150, V-6		10.00	1	1
50.2-7.02.07	10.7.0.0		m ³	13.40	1	
	Ļ	4	• •		↓	
			Т	OTAL CONC	RETE WORKS:	:
08.24.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and construction	ns			
		* The price includes procurement, cutting, bending and				
		fixing of reinforcing bars in the construction, fully as				
00.0.0		designed.	,		1	т
08.24.03.01	13.5.1	Ribbed rebars RA 400/500-2				
			kg	15,827.70		L

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
	13.8	Steel bridge fences:				
08.24.03.02	13.8.2	- tubular fences or fences made of steel sections	kg	659.70		
				TOTAL I	METAL WORK	
08.24.04.	13.10	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
		installation as designed.				
08.24.04.01	13.10.2	Insulating coat on pavement top				
			m ²	55.00		
08.24.04.02	13.10.3	Applying one layer of bitulite and one layer of hot				
		bitumen onto concrete surfaces in contact with earth.	2			
			m ²	210.00		
08.24.04.03	13.10.5	Trial loading of constructed bridge.				
				lump sı	ım	
08.24.04.04	13.10.6	Photographing during bridge construction				
				lump sı	ım	
08.24.04.05	13.10.8	Fitting and sealing joints with elastic bituminous sealing				
		compound ('livobit) on asphalt next to curbs and cornices				
		at footway level and next to expansion joints				
			m'	18.00		
08.24.04.06	13.11.2	Epoxy and polyurethane preservative on footways	2			
			m ²	27.00		
08.24.04.07	13.11.6	Crashed stone revetment				
	additional		2			
	specifications		m ³	9.80		
		TOTAL FINISHING AN	ID SUN	DRY WORKS	ON BRIDGES:	

SUMMARY BRIDGE AT LOCAL ROAD L5, AT Ha km 0+115.365

08.24.01	EARTH	WORKS
----------	-------	-------

08.24.02 CONCRETE WORKS

08.24.03 METAL WORK

08.24.04 FINISHING AND SUNDRY WORKS ON BRIDGES

TOTAL BRIDGE AT km 0+115.365:

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.25.01.01	13.2.1	Excavation of foundations in IV category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	54.52		
		- at depth of 2-4 m	m ³	51.66		
			2			
		- at depth of 4-6 m	m ³	46.70		
			m ³	71.00		
08.25.01.02	13.2.4	- at depth over 6 m	m	71.99		
08.25.01.02	13.2.4	Backfilling with earth in 30 cm thick layers including compaction of layers to modulus of compressibility				
		Ms=30 MPa.				
		Payment per m^3 of compacted earth.	m ³	67.60		
		Payment per in of compacted earth.	m			
				TOTAL EA	ARTH WORKS:	
08.25.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted b	-	ıg.		
		* Reinforcing bars shall be paid separately, except for bor	ed piles.			
		* Cables shall be paid separately.				
		* The price of concrete includes formwork and scaffold.	1	1		
	13.4.1	* Payment per m ³ of placed concrete for completely perfo Plain concrete	rmed wo	rk.		
08.25.02.01	13.4.1.3	Blinding layer, 15 cm thick, made of concrete, class I MB				
00.23.02.01	additional	15 under foundation, pile caps and crossing slabs.				
	specifications	15 under foundation, prie caps and crossing stabs.	m ³	2.40		
	13.4.3	Reinforced concrete constructions				
08.25.02.02	13.4.3.1	Reinforced concrete for inlet structure			1	
		Concrete class II MB 30, M-150, V-6.	m ³	54.02		

08.25. INLET STRUCTURE AT km 882+480.90

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and constructi	ons			
		* The price includes procurement, cutting, bending and				
		fixing of reinforcing bars in the construction, fully as				
		designed.				
08.25.03.01	13.5.1	Ribbed rebars RA 400/500-2				
			kg	4,437.16		
08.25.03.02	13.5.1	Welded mesh reinforcement MAG 500/560				
			kg	2,233.65		
				TOTAL N	METAL WORK	
08.25.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
		installation as designed.				
08.25.04.01	13.10.3	Applying one layer of bitulite and one layer of hot				
		bitumen onto concrete surfaces in contact with earth.				
			m ²	130.40		
08.25.04.02	13.10.10	Procurment, transport and instalation of metal rungs.				
		Payment per pieces	pc.	46.00		
		TOTAL FINISHING A	ND SUN	DRY WORKS	ON BRIDGES:	

SUMMARY INLET STRUCTURE AT km 882+480.90

08.25.01 EARTH WORKS

08.25.02 CONCRETE

08.25.03 METALWORK

08.25.04 FINISHING AND SUNDRY WORKS ON BRIDGES

TOTAL INLET STRUCTURE AT km 882+480.90

08.25. INLET STRUCTURE UG1 AND UG2 AT km 883+762.574

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.01.	13.2	EARTH WORKS			•	
		Excavation for foundations				
08.25.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	88.62		
			m	00.02		
		- at depth of 2-4 m	m ³	87.19		
				0/11/		
		- at depth of 4-6 m	m ³	84.92		
08.25.01.02	13.2.1	Excavation of foundations in IV category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth over 6 m	m ³	143.44		
08.25.01.03	13.2.4	Backfilling with earth in 30 cm thick layers including		173.99		
00.25.01.05	15.2.1	compaction of layers to modulus of compressibility				
		Ms=30 MPa				
		Payment per m ³ of compacted earth.	m ³	125.20		
		r dynent per in of compacted cartin.	m		DTH WORKS	
	1	1		IUIAL EA	ARTH WORKS:	
08.25.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by		ıg.		
		* Reinforcing bars shall be paid separately, except for bore	ed piles.			
		* Cables shall be paid separately.				
		* The price of concrete includes formwork and scaffold.		1.		
	13.4.1	* Payment per m ³ of placed concrete for completely perfor Plain concrete	med wor	K		
08.25.02.01	13.4.1.3	Blinding layer, 15 cm thick, made of concrete, class I MB				
08.23.02.01	additional	15 under foundation, pile caps and crossing slabs.				
	specifications	15 under foundation, prie caps and crossing stabs.	m ³	4.80		
	13.4.3	Reinforced concrete constructions		1.00		
08.25.02.02	13.4.3.1	Reinforced concrete for inlet structure				
	10111011	Concrete class II MB 30, M-150, V-6.	m ³	103.90		
			T	OTAL CONCI	RETE WORKS:	
08.25.03.	13.5	METALWORK	1	onin conce	LIE WORRD.	
08.25.05.	15.5					
		Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and	115			
		fixing of reinforcing bars in the construction, fully as				
		designed.				
	<u> </u>	ועכאוצווכע.				

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.03.01	13.5.1	Ribbed rebars RA 400/500-2				
			kg	8,644.78		
08.25.03.02	13.5.1	Welded mesh reinforcement MAG 500/560				
			kg	4,285.19		
				TOTAL 1	METAL WORK	
08.25.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
		installation as designed.				
08.25.04.01	13.10.3	Applying one layer of bitulite and one layer of hot				
		bitumen onto concrete surfaces in contact with earth.				
			m ²	249.60		
08.25.04.02	13.10.10	Procurment, transport and instalation of metal rungs.				
		Payment per pieces	pc.	88.00		
		TOTAL FINISHING A	ND SUN	DRY WORKS	ON BRIDGES:	

SUMMARY INLECT STRUCTURE UG1 AND UG2 AT km 883+762.574

08.25.01 EARTH WORKS

08.25.02 CONCRETE

08.25.03 METALWORK

08.25.04 FINISHING AND SUNDRY WORKS ON BRIDGES

TOTAL INLECT STRUCTURE UG1 AND UG2 AT km 883+762.574

08.25. INLECT STRUCTURE AT km 883+882.283

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.25.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	48.51		
			m	40.51		
		- at depth of 2-4 m	m ³	45.78		
08.25.01.02	13.2.1	Excavation of foundations in IV category soil and				
00120101102	101211	transport of earth to distance of 500 m.				
		Payment per m^3 of excavated earth				
		- at depth of 4-6 m	3			
			m ³	45.44	-	
			m ³			
00.05.01.00	12.2.4	- at depth over 6 m	m	55.52		
08.25.01.03	13.2.4	Backfilling with earth in 30 cm thick layers including				
		compaction of layers to modulus of compressibility				
		Ms=30 MPa.	2			
		Payment per m ³ of compacted earth.	m ³	57.60		
				TOTAL EA	RTH WORKS:	
08.25.02.	13.4	CONCRETE				
08.25.02.	13.4	CONCRETE This shall apply to all items:				
08.25.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by		ıg.		
08.25.02.	13.4	This shall apply to all items:		ıg.		
08.25.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately.		ng.		
08.25.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore		ng.		
08.25.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately.	d piles.	-		
08.25.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform Plain concrete	d piles.	-		
08.25.02. 08.25.02.01		This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform	d piles.	-		
	13.4.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform Plain concrete	ned wor	-		
	13.4.1 13.4.1.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB	d piles.	-		
	13.4.1 13.4.1.3 additional	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB	ned wor	ʻk		
	13.4.1 13.4.1.3 additional specifications	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs.	med wor m ³	ʻk		
08.25.02.01	13.4.1 13.4.1.3 additional specifications 13.4.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions	ned wor	ʻk		
08.25.02.01	13.4.1 13.4.1.3 additional specifications 13.4.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure	med wor m ³ m ³	ik 1.95 40.46	RETE WORKS:	
08.25.02.01 08.25.02.02	13.4.1 13.4.1.3 additional specifications 13.4.3 13.4.3.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6.	med wor m ³ m ³	ik 1.95 40.46	RETE WORKS:	
08.25.02.01	13.4.1 13.4.1.3 additional specifications 13.4.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK	med work m ³ m ³ m ³	ik 1.95 40.46	ZETE WORKS:	
08.25.02.01 08.25.02.02	13.4.1 13.4.1.3 additional specifications 13.4.3 13.4.3.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction	med work m ³ m ³ m ³	ik 1.95 40.46	RETE WORKS:	
08.25.02.01 08.25.02.02	13.4.1 13.4.1.3 additional specifications 13.4.3 13.4.3.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and	med work m ³ m ³ m ³	ik 1.95 40.46	RETE WORKS:	
08.25.02.01 08.25.02.02	13.4.1 13.4.1.3 additional specifications 13.4.3 13.4.3.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as	med work m ³ m ³ m ³	ik 1.95 40.46	RETE WORKS:	
08.25.02.01 08.25.02.02 08.25.03.	13.4.1 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.5	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.	med work m ³ m ³ m ³	ik 1.95 40.46	RETE WORKS:	
08.25.02.01 08.25.02.02	13.4.1 13.4.1.3 additional specifications 13.4.3 13.4.3.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as	med wor m ³ m ³ T	1.95 40.46 OTAL CONCE	RETE WORKS:	
08.25.02.01 08.25.02.02 08.25.03.01	13.4.1 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.5 13.5.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2	med work m ³ m ³ m ³	ik 1.95 40.46	RETE WORKS:	
08.25.02.01 08.25.02.02 08.25.03.	13.4.1 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.5	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perform Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.	med wor m ³ m ³ T	1.95 40.46 OTAL CONCE	RETE WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed.				
08.25.04.01	13.10.3	Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth.	m ²	100.20		
08.25.04.02	13.10.10	Procurment, transport and instalation of metal rungs. Payment per pieces	pc.	34.00		
		TOTAL FINISHING AN	ND SUN	DRY WORKS	ON BRIDGES:	

SUMMARY INLECT STRUCTURE AT km 883+882.283

08.25.01 EARTH WORKS

08.25.02 CONCRETE

08.25.03 METALWORK

08.25.04 FINISHING AND SUNDRY WORKS ON BRIDGES

TOTAL INLECT STRUCTURE AT km 883+882.283

08.25. INLECT STRUCTURE UG1 AND UG2 AT km 883+952.142

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.25.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	90.80		
		1.	m	20.00		
		- at depth of 2-4 m	m ³	46.41		
08.25.01.02	13.2.1	Excavation of foundations in IV category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 2-4 m	m ³	39.48		
			m	39.46		
		- at depth of 4-6 m	m ³	88.26		
				00.20		
		- at depth over 6 m	m ³	72.64		
08.25.01.03	13.2.4	Backfilling with earth in 30 cm thick layers including				
		compaction of layers to modulus of compressibility				
		Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	119.60		
				117.00	· · · · · · · · · · · · · · · · · · ·	
	ļ			TOTAL FA	ARTH WORKS	
08 25 02	12.4	CONCRETE		TOTAL EA	ARTH WORKS:	
08.25.02.	13.4	CONCRETE		TOTAL EA	ARTH WORKS:	
08.25.02.	13.4	This shall apply to all items:	ihan tia		ARTH WORKS:	
08.25.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by			ARTH WORKS:	
08.25.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord			ARTH WORKS:	
08.25.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately.			ARTH WORKS:	
08.25.02.	13.4	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold.	ed piles.	ıg.	ARTH WORKS:	
08.25.02.		This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bore * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor	ed piles.	ıg.	ARTH WORKS:	
	13.4.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor Plain concrete	ed piles.	ıg.	ARTH WORKS:	
08.25.02. 08.25.02.01	13.4.1 13.4.1.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB	ed piles.	ıg.	ARTH WORKS:	
	13.4.1 13.4.1.3 additional	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor Plain concrete	ed piles.	ıg. :k	ARTH WORKS:	
	13.4.1 13.4.1.3 additional specifications	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs.	ed piles.	ıg.	ARTH WORKS:	
08.25.02.01	13.4.1 13.4.1.3 additional	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB	ed piles.	ıg. :k		
	13.4.1 13.4.1.3 additional specifications 13.4.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure	ed piles.	ıg. :k	ARTH WORKS:	
08.25.02.01	13.4.1 13.4.1.3 additional specifications 13.4.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions	med wor m ³ m ³ m ³	ıg. :k 4.35 94.44	ARTH WORKS:	
08.25.02.01 08.25.02.02	13.4.1 13.4.1.3 additional specifications 13.4.3 13.4.3.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6.	med wor m ³ m ³ m ³	ıg. :k 4.35 94.44		
08.25.02.01	13.4.1 13.4.1.3 additional specifications 13.4.3	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK	med work m ^a m ³ m ³ T	ıg. :k 4.35 94.44		
08.25.02.01 08.25.02.02	13.4.1 13.4.1.3 additional specifications 13.4.3 13.4.3.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and constructio	med work m ^a m ³ m ³ T	ıg. :k 4.35 94.44		
08.25.02.01 08.25.02.02	13.4.1 13.4.1.3 additional specifications 13.4.3 13.4.3.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and constructio * The price includes procurement, cutting, bending and	med work m ^a m ³ m ³ T	ıg. :k 4.35 94.44		
08.25.02.01 08.25.02.02	13.4.1 13.4.1.3 additional specifications 13.4.3 13.4.3.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and constructio * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as	med work m ^a m ³ m ³ T	ıg. :k 4.35 94.44		
08.25.02.01 08.25.02.02	13.4.1 13.4.1.3 additional specifications 13.4.3 13.4.3.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and constructio * The price includes procurement, cutting, bending and	med work m ^a m ³ m ³ T	ıg. :k 4.35 94.44		
08.25.02.01 08.25.02.02 08.25.03.	13.4.1 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.5	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and constructio * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.	med wor m ³ m ³ m ³ T	ıg. :k 4.35 94.44		
08.25.02.01 08.25.02.02 08.25.03.	13.4.1 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.5	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and constructio * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.	med work m ^a m ³ m ³ T	ng. -k 4.35 94.44 OTAL CONCI		
08.25.02.01 08.25.02.02 08.25.03.01	13.4.1 13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.5 13.5.1	This shall apply to all items: * Concrete shall be mixed mechanically and compacted by * Reinforcing bars shall be paid separately, except for bord * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m ³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and constructio * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2	med wor m ³ m ³ m ³ T	ng. -k 4.35 94.44 OTAL CONCI		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works: * The price includes procurement, construction and installation as designed.				
08.25.04.01	13.10.3	Applying one layer of bitulite and one layer of hot bitumen onto concrete surfaces in contact with earth.	m ²	230.52		
08.25.04.02	13.10.10	Procurment, transport and instalation of metal rungs. Payment per pieces	pc.	80.00		
		TOTAL FINISHING AN	ND SUN	DRY WORKS	ON BRIDGES:	

SUMMARY INLECT STRUCTURE UG1 AND UG2 AT km 883+952.142

08.25.01 EARTH WORKS

08.25.02 CONCRETE

08.25.03 METALWORK

08.25.04 FINISHING AND SUNDRY WORKS ON BRIDGES

TOTAL INLECT STRUCTURE UG1 AND UG2 AT km 883+952.142

08.25. INLECT STRUCTURE AT km 884+241.537

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.01.	13.2	EARTH WORKS	· · ·	•	•	
		Excavation for foundations				
08.25.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	39.27		
08.25.01.02	13.2.1	Excavation of foundations in IV category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 2-4 m	m ³	36.12		
		1	m	50.12		
		- at depth of 4-6 m	m ³	34.02		
		- at depth over 6 m	m ³	22.68		
08.25.01.03	13.2.4	Backfilling with earth in 30 cm thick layers including				
		compaction of layers to modulus of compressibility				
		Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	52.00		
				TOTAL EA	ARTH WORKS:	
08.25.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by	y vibratii	ng.		
		* Reinforcing bars shall be paid separately, except for bore	ed piles.			
		* Cables shall be paid separately.				
		* The price of concrete includes formwork and scaffold.				
		* Payment per m ³ of placed concrete for completely perfor	med wo	rk		
00.05.00.01	13.4.1	Plain concrete	<u> </u>		r	
08.25.02.01	13.4.1.3	Blinding layer, 15 cm thick, made of concrete, class I MB				
	additional	15 under foundation, pile caps and crossing slabs.	m ³	1.95		
	specifications 13.4.3	Reinforced concrete constructions	III	1.95		
08.25.02.02	13.4.3.1	Reinforced concrete for inlet structure				
00.25.02.02	15.1.5.1	Concrete class II MB 30, M-150, V-6.	m ³	40.46		
	•		• • • •		RETE WORKS:	
08.25.03.	13.5	METALWORK				
00.20.001	10.0	Reinforcing bars in concrete members and construction	ns			
		* The price includes procurement, cutting, bending and				
		fixing of reinforcing bars in the construction, fully as				
		designed.				
08.25.03.01	13.5.1	Ribbed rebars RA 400/500-2				
			kg	2,819.68		
		Welded mesh reinforcement MAG 500/560				
08.25.03.02	13.5.1		kg	1,801.02		
				TOTAL N	METAL WORK	
08.25.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES	•			
00.2010	1					
001201011		This shall apply to all items of finishing works:				
0012010 11		* The price includes procurement, construction and installation as designed.				

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.04.01	13.10.3	Applying one layer of bitulite and one layer of hot				
		bitumen onto concrete surfaces in contact with earth.	m ²	100.20		
08.25.04.02	13.10.10	Procurment, transport and instalation of metal rungs.				
		Payment per pieces	pc.	34.00		
		TOTAL FINISHING A	ND SUN	DRY WORKS	ON BRIDGES:	

SUMMARY INLECT STRUCTURE AT km 884+241.537

 08.25.01 EARTH WORKS
 Image: Constant of the second sec

08.25. INLECT STRUCTURE UG1 AND UG2 AT km 884+306.224

			T Inc. 24	0	IL.:4 D	T . 4 . 1
Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.25.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	84.17		
			m	04.17		
			m ³	78.71		
		- at depth of 2-4 m	m	/0./1		
			m ³	24.92		
00.05.01.00	12.0.1	- at depth of 4-6 m	m	34.82		
08.25.01.02	13.2.1	Excavation of foundations in IV category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 4-6 m	m ³	41.54		
			m	11.51		
		- at depth over 6 m	m ³	37.12		
08.25.01.02	13.2.4	Backfilling with earth in 30 cm thick layers including	m	57.12		
08.25.01.02	15.2.4					
		compaction of layers to modulus of compressibility				
		Ms=30 MPa.	2			
		Payment per m ³ of compacted earth.	m ³	100.80		
				TOTAL EA	ARTH WORKS:	
08.25.02.	13.4	CONCRETE				
00.23.02.	13.4	This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by		ng.		
		* Reinforcing bars shall be paid separately, except for bore	a piles.			
		* Cables shall be paid separately.				
		* The price of concrete includes formwork and scaffold.				
		* Payment per m ³ of placed concrete for completely perfor	med wo	rk		
	13.4.1	Plain concrete				
08.25.02.01	13.4.1.3	Blinding layer, 15 cm thick, made of concrete, class I MB				
	additional	15 under foundation, pile caps and crossing slabs.				
	specifications		m ³	4.35		
	13.4.3	Reinforced concrete constructions				
08.25.02.02	13.4.3.1	Reinforced concrete for inlet structure				
		Concrete class II MB 30, M-150, V-6.	m ³	85.06		
	•		т	OTAL CONCL	RETE WORKS:	
	1		1	OTAL CONCI	LIE WORRD.	
08.25.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and construction	ns			
		* The price includes procurement, cutting, bending and				
		fixing of reinforcing bars in the construction, fully as				
		designed.				
08.25.03.01	13.5.1	Ribbed rebars RA 400/500-2				
			kg	7,373.29		
08.25.03.02	13.5.1	Welded mesh reinforcement MAG 500/560			1	
20.20.00.02	10.0.1		kg	4,103.08		
	1	1	* 5		TETAL WORK	
				TOTAL	METAL WORK	
08.25.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
		installation as designed.				
08.25.04.01	13.10.3	Applying one layer of bitulite and one layer of hot	1			
		bitumen onto concrete surfaces in contact with earth.				
		channel onto concrete surfaces in contact with cartif.	m ²	201.12		
	l	↓		201.12	!	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.04.02	13.10.11	Covers made of iron, procurvement, transport and				
		instalation covers 625mm for control points for closed				
		structures. Cover is instaled on reinforced slab. Payment				
		per pieces.	pc.	1.00		
08.25.04.03	13.10.10	Procurment, transport and instalation of metal rungs.				
		Payment per pieces	pc.	74.00		
	TOTAL FINISHING AND SUNDRY WORKS ON BRIDGES:					

SUMMARY INLECT STRUCTURE UG1 AND UG2 AT km 884+306.224

08.25.01 EARTH WORKS

08.25.02 CONCRETE

08.25.03 METALWORK

08.25.04 FINISHING AND SUNDRY WORKS ON BRIDGES

TOTAL INLECT STRUCTURE UG1 AND UG2 AT km 884+306.224

08.25. INLECT STRUCTURE AT km 884+358.565

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.25.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	40.91		
				40.91		
		- at depth of 2-4 m	m ³	39.90		
08.25.01.02	13.2.1	Excavation of foundations in IV category soil and	m	57.70		
00120101102	101211	transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 4-6 m	m ³	42.20		
			m	43.30		
		at denth error (m	m ³	62.92		
08.25.01.03	13.2.4	- at depth over 6 m Backfilling with earth in 30 cm thick layers including	111	02.92		
08.23.01.03	13.2.4	compaction of layers to modulus of compressibility				
		Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	52.00		
	Ļ	rayment per in or compacted earth.	m	52.00		
				TOTAL EA	ARTH WORKS:	
08.25.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by		ng.		
		* Reinforcing bars shall be paid separately, except for bore	ed piles.			
		* Cables shall be paid separately.				
		* The price of concrete includes formwork and scaffold.				
		* Payment per m ³ of placed concrete for completely perfor	med wor	:k		
	13.4.1	Plain concrete				
08.25.02.01	13.4.1.3	Blinding layer, 15 cm thick, made of concrete, class I MB				
	additional	15 under foundation, pile caps and crossing slabs.	m ³	1.05		
	specifications	Reinforced concrete constructions	m	1.95		
08.25.02.02	13.4.3 13.4.3.1	Reinforced concrete for inlet structure				
08.23.02.02	15.4.5.1	Concrete class II MB 30, M-150, V-6.	m ³	41.75		
		Concrete class II MID 50, M-150, V-0.				
			1	UTAL CONCI	RETE WORKS:	
08.25.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and constructio	ns			
		* The price includes procurement, cutting, bending and				
		fixing of reinforcing bars in the construction, fully as				
00.05.00.01	10 5 1	designed.			<u>т</u>	
08.25.03.01	13.5.1	Ribbed rebars RA 400/500-2		2 225 10		
		Welded mesh reinforcement MAG 500/560	kg	3,235.10		
09 25 02 02	12 5 1	weided mesh reinforcement MAG 500/560	1	2 051 54		
08.25.03.02	13.5.1		kg	2,051.54		
				TOTAL N	METAL WORK	
08.25.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
		installation as designed.	<u> </u>		· · · · · · · · · · · · · · · · · · ·	
08.25.04.01	13.10.3	Applying one layer of bitulite and one layer of hot				
		bitumen onto concrete surfaces in contact with earth.	2			
			m^2	90.32		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.04.02	13.10.11	Covers made of iron, procurement, transport and				
		instalation covers 625mm for control points for closed				
		structures. Cover is instaled on reinforced slab. Payment				
		per pieces.	pc.	1.00		
08.25.04.03	13.10.10	Procurment, transport and instalation of metal rungs.				
		Payment per pieces	pc.	32.00		
TOTAL FINISHING AND SUNDRY WORKS ON BRIDGES:						

SUMMARY INLECT STRUTURE AT km 884+358.565

|--|

08.25.02 CONCRETE

08.25.03 METALWORK

08.25.04 FINISHING AND SUNDRY WORKS ON BRIDGES

TOTAL INLECT STRUTURE AT km 884+358.565

08.25. TOTAL INLECT STRUCTURE UG1 AND UG2 AT km 884+306.224

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.01.	13.2	EARTH WORKS				
		Excavation for foundations				
08.25.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	81.48		
				01110		
		- at depth of 2-4 m	m ³	42.42		
08.25.01.02	13.2.1	Excavation of foundations in IV category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 2-4 m	m ³	36.54		
				20101		
		- at depth of 4-6 m	m ³	75.94		
		· ·				
		- at depth over 6 m	m ³	160.00		
08.25.01.03	13.2.4	Backfilling with earth in 30 cm thick layers including				
		compaction of layers to modulus of compressibility				
		Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	125.20		
				TOTAL EA	ARTH WORKS:	
08.25.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by		ıg.		
		* Reinforcing bars shall be paid separately, except for bor	ed piles.			
		* Cables shall be paid separately.	ed piles.			
		* Cables shall be paid separately. * The price of concrete includes formwork and scaffold.	-			
		 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performance. 	-	ŕk		
00.05.00.01	13.4.1	 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete 	rmed wor	ʻk	1	
08.25.02.01	13.4.1.3	 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 	rmed wor	ʻk		
08.25.02.01	13.4.1.3 additional	 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete 	rmed wor			
08.25.02.01	13.4.1.3 additional specifications	 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. 	rmed wor	4.80		
	13.4.1.3 additional specifications 13.4.3	 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions 	rmed wor			
08.25.02.01 08.25.02.02	13.4.1.3 additional specifications	 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure 	rmed wor			
	13.4.1.3 additional specifications 13.4.3	 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions 	m ³ m ³	4.80	RETE WORKS:	
08.25.02.02	13.4.1.3 additional specifications 13.4.3 13.4.3.1	 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. 	m ³ m ³	4.80	RETE WORKS:	
	13.4.1.3 additional specifications 13.4.3	 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. 	m ³ m ³ m ³	4.80	RETE WORKS:	
08.25.02.02	13.4.1.3 additional specifications 13.4.3 13.4.3.1	 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction	m ³ m ³ m ³	4.80	RETE WORKS:	
08.25.02.02	13.4.1.3 additional specifications 13.4.3 13.4.3.1	 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and	m ³ m ³ m ³	4.80	RETE WORKS:	
08.25.02.02	13.4.1.3 additional specifications 13.4.3 13.4.3.1	 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as	m ³ m ³ m ³	4.80	RETE WORKS:	
08.25.02.02	13.4.1.3 additional specifications 13.4.3 13.4.3.1	 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and	m ³ m ³ m ³	4.80	RETE WORKS:	
08.25.02.02 08.25.03.	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.5	 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.	m ³ m ³ m ³	4.80	RETE WORKS:	
08.25.02.02 08.25.03.	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.5	 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.	med wor m ³ m ³ T	4.80 105.36 OTAL CONCI	RETE WORKS:	
08.25.02.02 08.25.03. 08.25.03.01	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.5 13.5	 * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performed plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2 	med wor m ³ m ³ T	4.80 105.36 OTAL CONCI	RETE WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
		installation as designed.				
08.25.04.01	13.10.3	Applying one layer of bitulite and one layer of hot				
		bitumen onto concrete surfaces in contact with earth.	m ²	241.20		
08.25.04.02	13.10.11	Covers made of iron, procurvement, transport and instalation covers 625mm for control points for closed structures. Cover is instaled on reinforced slab. Payment				
		per pieces.	pc.	1.00		
08.25.04.03	13.10.10	Procurment, transport and instalation of metal rungs.				
		Payment per pieces	pc.	85.00		
	TOTAL FINISHING AND SUNDRY WORKS ON BRIDGES:					

SUMMARY INLECT STRUCTURE UG1 AND UG2 AT km 884+496.123

08.25.02 CONCRETE

08.25.03 METALWORK

08.25.04 FINISHING AND SUNDRY WORKS ON BRIDGES

TOTAL INLECT STRUCTURE UG1 AND UG2 AT km 884+496.123

08.25. INLECT STRUCTURE UG1 AND UG2 AT km 884+575.88

	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.01.	13.2	EARTH WORKS				
		Excavation for foundations			1	
08.25.01.01	13.2.1	Excavation of foundations in IV category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	129.40		
		- at depth of 2-4 m	m ³	141.37		
		- at depth of 4-6 m	m ³	112.98		
		- at depth over 6 m	m ³	137.56		
08.25.01.02	13.2.4	Backfilling with earth in 30 cm thick layers including				
		compaction of layers to modulus of compressibility				
		Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	125.20		
				TOTAL EA	ARTH WORKS:	
08.25.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted b		ıg.		
		* Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor		ıg.		
		* Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately.		ng.		
		 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. 	ed piles.	-		
		 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely performance. 	ed piles.	-		
	13.4.1	 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete 	rmed wor	-		
08.25.02.01	13.4.1.3	 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 	rmed wor	-		
08.25.02.01	13.4.1.3 additional	 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete 	rmed wor	rk		
08.25.02.01	13.4.1.3 additional specifications	 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. 	rmed wor	-		
	13.4.1.3 additional specifications 13.4.3	 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions 	rmed wor	rk		
08.25.02.01 08.25.02.02	13.4.1.3 additional specifications	 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure 	m ³	-k 4.80		
	13.4.1.3 additional specifications 13.4.3	 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete constructions 	m ³ m ³	-k 4.80 105.86		
08.25.02.02	13.4.1.3 additional specifications 13.4.3 13.4.3.1	 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. 	m ³ m ³	-k 4.80 105.86	RETE WORKS:	
	13.4.1.3 additional specifications 13.4.3	 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. 	med piles.	-k 4.80 105.86	RETE WORKS:	
08.25.02.02	13.4.1.3 additional specifications 13.4.3 13.4.3.1	 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction 	med piles.	-k 4.80 105.86	RETE WORKS:	
08.25.02.02	13.4.1.3 additional specifications 13.4.3 13.4.3.1	 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and 	med piles.	-k 4.80 105.86	RETE WORKS:	
08.25.02.02	13.4.1.3 additional specifications 13.4.3 13.4.3.1	 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as	med piles.	-k 4.80 105.86	RETE WORKS:	
08.25.02.02 08.25.03.	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.5	 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.	med piles.	-k 4.80 105.86	RETE WORKS:	
08.25.02.02	13.4.1.3 additional specifications 13.4.3 13.4.3.1	 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as	med piles.	-k 4.80 105.86 OTAL CONCI	RETE WORKS:	
08.25.02.02 08.25.03. 08.25.03.01	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.5 13.5.1	 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed. Ribbed rebars RA 400/500-2	med piles.	-k 4.80 105.86	RETE WORKS:	
08.25.02.02 08.25.03.	13.4.1.3 additional specifications 13.4.3 13.4.3.1 13.5	 * Concrete shall be mixed mechanically and compacted b * Reinforcing bars shall be paid separately, except for bor * Cables shall be paid separately. * The price of concrete includes formwork and scaffold. * Payment per m³ of placed concrete for completely perfor Plain concrete Blinding layer, 15 cm thick, made of concrete, class I MB 15 under foundation, pile caps and crossing slabs. Reinforced concrete for inlet structure Concrete class II MB 30, M-150, V-6. METALWORK Reinforcing bars in concrete members and construction * The price includes procurement, cutting, bending and fixing of reinforcing bars in the construction, fully as designed.	med piles.	-k 4.80 105.86 OTAL CONCI	RETE WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.25.04.	13.1	FINISHING AND SUNDRY WORKS ON BRIDGES				
		This shall apply to all items of finishing works:				
		* The price includes procurement, construction and				
		installation as designed.				
08.25.04.01	13.10.3	Applying one layer of bitulite and one layer of hot				
		bitumen onto concrete surfaces in contact with earth.	m ²	238.40		
08.25.04.02	13.10.11	Covers made of iron, procurvement, transport and instalation covers 625mm for control points for closed structures. Cover is instaled on reinforced slab. Payment				
		per pieces.	pc.	1.00		
08.25.04.03	13.10.10	Procurment, transport and instalation of metal rungs.				
		Payment per pieces	pc.	87.00		
	TOTAL FINISHING AND SUNDRY WORKS ON BRIDGES:					

SUMMARY INLECT STRUCTURE UG1 AND UG2 AT km 884+575.88

08.25.02 CONCRETE

08.25.03 METALWORK

08.25.04 FINISHING AND SUNDRY WORKS ON BRIDGES

TOTAL INLECT STRUCTURE UG1 AND UG2 AT km 884+575.88

08.26. BRIDGE AT km 0+185.52 (local station)

Item No.	AT km 0+185.52 T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.26.01.	1.5.	EARTH WORKS	Unit	Quantity	Unit Price	Total
08.20.01.	13.2	Excavation for foundations				
09.26.01.01	12.2.1		<u> </u>		г	
08.26.01.01	13.2.1	Excavation of foundations in II and III category soil and				
		transport of earth to distance of 500 m.				
		Payment per m ³ of excavated earth				
		- at depth of 0-2 m	m ³	597.35		
		- at depth of 2-4 m	m ³	318.00		
		- at depth of 4-6 m	m ³	14.82		
08.26.01.02	13.2.2	Extra for excavation of foundations with pumping of 30				
		lit/min - 120 lit/min water.	m ³	465.09		
08.26.01.03	13.2.3	Excavation of Trenches and Channels Less than 1.5 m				
		Wide and Less than 2.0 m Deep	m ³	10.73		
08.26.01.04	13.2.4	Backfilling of pier foundations with earth in 30 cm thick				
		layers including compaction of layers to modulus of				
		compressibility Ms=30 MPa.				
		Payment per m ³ of compacted earth.	m ³	400.17		
08.26.01.05	13.2.5	Construction of wedge made of well-graded gravel				
		compacted in 30 cm thick layers to modulus of				
		compressibility Ms=40 MPa. It shall be constructed				
		behind the abutments.				
		Payment per m ³ of compacted gravel.	m ³	530.00		
08.26.01.06	13.2.8	Construction of end slope of material from the cutting or				
	additional	borrow pit including mechanical compaction in 30 cm				
	specifications	thick layers, fully as designed.				
		Payment per m3 of compacted material.	m ³	77.11		
			m		ARTH WORKS:	
	r			IUIAL LA	KIH WUKKS:	
08.26.02.	13.4	CONCRETE				
		This shall apply to all items:				
		* Concrete shall be mixed mechanically and compacted by		ng.		
		* Reinforcing bars shall be paid separately, except for bore	d piles.			
		* Cables shall be paid separately.				
		* The price of concrete includes formwork and scaffold.				
	12.4.1	* Payment per m ³ of placed concrete for completely performed	med wo	rk		
00.04.00.01	13.4.1	Plain concrete	 		I	
08.26.02.01	13.4.1.1	Foundation of end slope wall made of concrete, class I	m ³	10.72		
08 26 02 02	12 4 1 2	MB25. Lining of end slopes with concrete plates (60'40'12 cm)	m	10.73		
08.26.02.02	13.4.1.2		m ²	38.63		
08.26.02.03	13.4.1.3	MB 40, M-150, V-3 Blinding layer, 15 cm thick, made of concrete, class I MB	m	30.03	<u> </u>	
08.20.02.03	additional	15 under foundation, pile caps and crossing slabs.				
		15 under foundation, prie caps and crossing stabs.	m ³	19.26		
	specifications	1	m	17.20		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
	13.4.3	Reinforced concrete constructions				
08.25.02.04	13.4.3.1	Strip foundations, foundations for wings, counter-beams,				
		slab foundations, cushions and pile caps made of				
		reinforced concrete, class III MB 30, M-150, V-6.	3			
			m ³	121.92		
	13.4.3.2	Piers supporting plain spanning constructions of				
		different systems and bearing beams				
08.26.02.05	13.4.3.2	Abutment bodies constructed of concrete, class II, MB 30,	3			
		M-150, V-6.	m ³	93.50		
08.26.02.06	13.4.3.2	Abutment wing walls made of concrete, class II, MB 30,	3			
		M-150, V-6.	m ³	29.80		
	13.4.3.3	Spanning bridge construction of reinforced concrete				
	10.100					
08.26.02.07	13.4.3.3	Main plate girder made of reinforced concrete class II,	m ³	116.00		
00.04.00.00	10.4.0.4	MB 30, M-150, V-6.		116.00		
08.26.02.08	13.4.3.4	Cornices at footway level (including inspection manholes)				
		cast in situ. Concrete class II MB 30, M-150, V-6	m ³	10.94		
08 26 02 00	12 4 2 5	Creating alpha made of any mate MD 20 M 150 M (m	12.84		
08.26.02.09	13.4.3.5	Crossing slabs made of concrete MB 30, M-150, V-6	m ³	26.70		
Į						
			T	OTAL CONCI	RETE WORKS:	
08.26.03.	13.5	METALWORK				
		Reinforcing bars in concrete members and construction	ns			
		* The price includes procurement, cutting, bending and				
		fixing of reinforcing bars in the construction, fully as				
		designed.				
08.26.03.01	13.5.1	Ribbed rebars RA 400/500-2				
			kg	45,681.86		
				TOTAL N	METAL WORK	
08.26.04.	13.10	FINISHING AND SUNDRY WORKS ON BRIDGES				
00.20.04.	13.10	This shall apply to all items of finishing works:	1			
		* The price includes procurement, construction and				
		installation as designed.				
08.26.04.01	13.10.1	Concrete or stone curbs				
00.20.04.01	15.10.1	along the highway, 13/20 MB 40	m'	42.80		
08.26.04.02	13.10.2	Insulating coat on pavement top		12.00		
00.20.01.02	15.10.2	insulating coat on parentent top	m ²	145.00		
08.26.04.03	13.10.3	Applying one layer of bitulite and one layer of hot		110100		
00.20.01.05	15.10.5	bitumen onto concrete surfaces in contact with earth.				
		ontainen onto concrete surfaces in contact with cartin.	m ²	330.88		
08.26.04.04	13.10.4	Bituminous pavement base course, BNHS 16A, 5 cm		220100		
00.20.01.01	15.10.1	thick	m ²	229.00		
08.26.04.05	13.10.4	Pavement wearing course of skeleton mastic asphalt		22/100		
00.20.01.05	15.10.1	SMA 0/11S, 4cm thick	m^2	229.00		
08 26 04 05	12 10 5	Trial loading of constructed bridge.	m	227.00	I	
08.26.04.06	13.10.5	That loading of constructed bridge.		humn	m	
08 26 04 07	12 10 6	Photographing during bridge construction		lump su		
08.26.04.07	13.10.6	r notographing during bridge construction		h	m	
08.26.04.08	13.10.8			lump su		
00.20.04.00	15.10.0	Fitting and sealing joints with elastic bituminous sealing				
		compound ('livobit) on asphalt next to curbs and cornices				
		at footway level and next to expansion joints	m'	85.60		
08.26.04.09	13.11.1			05.00	<u> </u>	
	13.11.1	Laying PVC pipes into footways (cat walks), Ø110 mm	m'	128.40		
00.20.04.07	13.11.2	Epoxy and polyure than preservative on footways		120.40		
		Prove and poryarculare preservative on tootways	m ²	53.50		
	13.11.2				ON PRIDCES.	
08.26.04.10	15.11.2		ID (11 11		UN BRIDGES:	
08.26.04.10		TOTAL FINISHING AN	ND SUN	DRI WORKS	on philp of or	
08.26.04.10 08.26.05.	2	PRELIMINARY WORKS	ND SUN	DKY WORKS		
08.26.04.10			ND SUN	dri works		
08.26.04.10 08.26.05.	2	PRELIMINARY WORKS	ND SUN	lump su		
08.26.04.10 08.26.05.	2	PRELIMINARY WORKS		lump su		

SUMMARY BRIDGE AT km 0+185.52 (local station)	
08.26.01 EARTH WORKS	
08.26.02 CONCRETE	
08.26.03 METALWORK	
08.26.04 FINISHING AND SUNDRY WORKS ON BRIDGES	
08.26.05 PRELIMINARY WORKS	
TOTAL BRIDGE AT km 0+185.52	:

08.09. BRIDGE AT km 881+101.843	
08.10. BRIDGE AT km 881+705.810	
08.11. BRIDGE AT km 883+067.252	
08.12. BRIDGE AT km 883+576.495	
08.13. BRIDGE AT km 884+958.430	
08.14. BRIDGE AT km 885+445.066	
08.16. TOP SLAB CULVERT km 884+167.303 (UNDER THE HIGHWAY)	
08.16. CULVERT AT km 884+167.303 (part under main road)	
08.17. SLAB TOP CULVERT km 884+815.865:	
08.17. INLECT STRUCTURES	
08.18. UNDERPASS AT km 885+335.85	
08.19. OVERPASS AT km 0+719.11	
08.20. OVERPASS AT km 0+038.46	
08.21. UNDERPASS AT km 0+030.0	
08.22. SLAB TOP CULVERT AT km 0+112.53	
08.23. BRIDGE AT km 0+264.889	
08.24. BRIDGE AT km 0+115.365	
08.25. INLET STRUCTURE AT km 882+480.90	
08.25. INLECT STRUCTURE UG1 AND UG2 AT km 883+762.574	
08.25. INLECT STRUCTURE AT km 883+882.283	
08.25. INLECT STRUCTURE UG1 AND UG2 AT km 883+952.142	
08.25. INLECT STRUCTURE AT km 884+241.537	
08.25. INLECT STRUCTURE UG1 AND UG2 AT km 884+306.224	
08.25. INLECT STRUTURE AT km 884+358.565	
08.25. INLECT STRUCTURE UG1 AND UG2 AT km 884+496.123	
08.25. INLECT STRUCTURE UG1 AND UG2 AT km 884+575.88	
08.26. BRIDGE AT km 0+185.52:	
SUB-TOTAL	
Unforeseen work (5% of sub-total)	

tem No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
0.03.05.		CONCRETE WORKS				
0.03.0 5 .01	8.3.6	Casting reinforced concrete sheet piles to make the bridge				
		construction horizontal.				
		This item includes casting of reinforced concrete pile in				
		situ to make the bridge construction horizontal. Price				
		includes procurement and transport of materials, placing of				
		concrete, reinforcement and formwork per piece.				
		Measurement unit is piece.	piece.	112.00		
			тот	AL CONCR	ETE WORKS:	
0.03.06.		REINFORCEMENT WORKS				
0.03.06.01	10.03.06.01	Procurement and erection of HEA140 steel posts				
		Price includes procurement, transport, assembly and				
		erection of steel posts made of HEA140 sections including				
		all related works.				
		Measurement unit is kg.	kg	6,977.75		
0.03.06.02	10.03.06.02	Procurement and fastening of anchor plates				
		Price includes procurement, transport, assembly and				
		fastening of anchor plates, 400x300x10 in size including				
		all related works.				
		Measurement unit is kg.	kg	113.00		
		ТОТ	TAL RE	INFORCEM	ENT WORKS:	
0.03.07.		SUNDRIES				
.03.07.01.	10.03.07.01.	Procurement and driving of transparent sheet piles				
		This item incldes procuremnet, transport and driving of				
		transparent sheet piles on the bridge, 196x200x11 in size.				
		Measurement unit is piece.	piece.	112.00		

<u>10.03. SUMMARY PROTECTION WALL 3- LEFTWARDS, from km 881+077,24 to km 881+328,14, L=244.0m,</u>					
10.03.05.	CONCRETE WORKS				
10.03.06.	REINFORCEMENT WORKS				
10.03.07.	SUNDRIES				
	TOTAL PROTECTION WALL 3 -leftwards, from km 881+077,24 to km 881+328,14, L=244.0m (10.03.):				

10.04. PROTECTION WALL 4 – LEFTWARDS, from km 881+451,00 to km 881+613,74, L=164.0m

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
10.04.01.		EARTH WORKS				
10.04.01.01	3.2	Excavation of earth for foundations				
		This item includes excavation of II category earth forØ630				
		mm foundations with loading and transport of surplus				
		material to stockpiling area specified by the Engineer.				
		Measurement unit is m3.	m ³	33.00		
10.04.01.02	3.4.1.3	Filling and leveling of stone aggregate				
		This item includes filling and leveling of stone aggregate				
		between reinforced concrete sheet piles and pavement edge				
		Measurement unit is m3.	m ³	26.24		
				TOTAL EA	RTH WORKS:	
10.04.02.		CONCRETE WORKS				
10.04.02.01	8.3.6	Construction of prefabricated foundations with mB30				
		reinforced concrete				
		This item includes procurement, transport of prefabricated				
		foundations, designed size: Ø600 mm,2.50 m high				
		including all related works.				
		Measurement unit is piece.	piece.	42.00		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
10.04.02.02	8.3.6	Construction and placing of 396x50x11 reinforced				
		concrete sheet piles				
		This item includes procurement, transport and placing of				
		prefabricated sheet piles made of MB30 reinforced				
		concrete, 396x50x11 in size.				
		Measurement unit is piece.	piece.	41.00		
			тот	TAL CONCH	RETE WORKS:	
10.04.03.		REINFORCEMENT WORKS			•	
10.04.03.01	10.04.03.01	Procurement and erection of HEA140 steel posts				
		Price includes procurement, transport, assembly and				
		erection of steel posts made of HEA140 sections including				
		all related works.				
		Measurement unit is kg.	kg	5,187.00		
		TO	ГAL RE	INFORCEM	IENT WORKS:	
10.04.04.		SUNDRIES			•	
10.04.04.01.	10.04.04.01.	Procurement and placing of absorptive sheet piles				
		This item includes procurement, transport and placing of				
		absorptive sheet piles, 396x50x11 in size.				
		Measurement unit is piece.	piece.	328.00		
				TOTA	AL SUNDRIES:	

10.04. SUMMA	ARY PROTECTION WALL 4 – LEFTWARDS, from km 881+451,00 to km 881+613,74, L=164.0m	
10.04.01.	EARTH WORKS	
10.04.02.	CONCRETE WORKS	
10.04.03.	REINFORCEMENT WORKS	
10.04.04.	SUNDRIES	
	<u>TOTAL PROTECTION WALL 4 – LEFTWARDS, from km 881+451,00 to km 881+613,74, L=164.0m (10.04.):</u>	

10.05. PROTECTION WALL 5 - LEFTWARDS, from km 885+132,85 to km 885+399,70, L=264.0m

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
10.05.01.		EARTH WORKS				
10.05.01.01	3.2	Excavation of earth for foundations				
		This item includes excavation of II category earth forØ630				
		mm foundations with loading and transport of surplus				
		material to stockpiling area specified by the Engineer.				
		Measurement unit is m3.	m ³	50.70		
10.05.01.02	3.4.1.3	Filling and leveling of stone aggregate				
		This item includes filling and leveling of stone aggregate				
		between reinforced concrete sheet piles and pavement edge				
		Measurement unit is m3.	m ³	40.40		
				TOTAL EA	RTH WORKS:	
10.05.02.		CONCRETE WORKS				
10.05.02.01	8.3.6	Construction of prefabricated foundations with mB30				
		reinforced concrete				
		This item includes procurement, transport and placing of				
		prefabricated foundations, designed size: Ø600 mm,2.50 m				
		high including all related works.				
10.05.02.02		Measurement unit is piece.	piece.	67.00		
10.05.02.02	8.3.6	Construction and placing of 396x50x11 reinforced				
		concrete sheet piles				
		This item includes procurement, transport and placing of				
		prefabricated sheet piles made of MB30 reinforced				
		concrete, 396x50x11 in size.	niago	66.00		
I		Measurement unit is piece.	piece.			
			101	IAL CONCE	RETE WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
10.05.03.		REINFORCEMENT WORKS				
10.05.03.01	10.05.03.01	Procurement and erection of HEA140 steel posts				
		Price includes procurement, transport, assembly and				
		erection of steel posts made of HEA140 sections including				
		all related works.				
		Measurement unit is kg.	kg	7,410.00		
10.05.06.02	10.05.06.02	Procurement and fastening of anchor plates				
		Price includes procurement, transport, assembly and				
		fastening of anchor plates,400x300x10 in size including all				
		related works.				
		Measurement unit is piece.	piece.	2.00		
		TOI	TAL RE	INFORCEM	IENT WORKS:	
10.05.04.		SUNDRIES				
10.05.04.01.	10.05.04.01.	Procurement and placing of absorptive sheet piles				
		This item includes procurement, transport and placing of				
		prefabricated sheet piles made of MB30 reinforced				
		concrete, 396x50x11 in size.				
		Measurement unit is piece.	piece.	459.00		
				ΤΟΤΑ	AL SUNDRIES:	

10.05. SUMM	ARY PROTECTION WALL 5 - LEFTWARDS, from km 885+132,85 to km 885+399,70, L=264.0m	
10.05.01.	EARTH WORKS	
10.05.02.	CONCRETE WORKS	
10.05.03.	REINFORCEMENT WORKS	
10.05.04.	SUNDRIES	
	<u>TOTAL PROTECTION WALL 5 – LEFTWARDS, from km 885+132,85 to km 885+399,70, L=264.0m (10.05.):</u>	

10. SUMMARY -ENVIRONMENTAL PROTECTION -PROTECTION WALLS	
10.03. WALL 3 LEFTWARDS from km 881+077,24 to km 881+328,14, L=244m	
10.04. WALL 4 LEFTWARDS from km 881+451,00 to km 881+613,74, L=164m	
10.05. WALL 5 LEFTWARDS from km 885+132,85 to km 885+399,70, L=264m	
SUB-TOTAL	
Unforeseen work (5% of sub-total)	
TOTAL ENVIRONMENTAL PROTECTION -PROTECTION WALLS (10.)	<u>.</u>

11. Traffic-technical and service equipment for roads ELEMENTS OF TRAFFIC SIGNS AND SIGNALS

No.	T.S	SIGNS AND SIGNALS Work description		Quantity	Unit price	Total
11.01.		ELEMENTS OF TRAFFIC SIGNS AND SIG	NALS		• • • • •	
11.01.01.		Reflective traffic sign with mounting accessories	, class 3:			
		OPEN SECTION				
11.01.01.01	12.1,12.2,3	I-20		2		
11 01 01 02	10.1.10.0.0	1200x1200x1200mm I-24 + 2 fleshers	pcs.	2		
11.01.01.02	12.1,12.2,3	1-24 + 2 fieshers 1650x1400mm	D 00	1		
11.01.01.03	12.1,12.2,3	I-24	pcs.	1		
11.01.01.03	12.1,12.2,5	1500x1400mm	pcs.	1		
11.01.01.04	12.1,12.2,3	П-29	pes.	1		
11.01.01.01	12.1,12.2,3	ø900mm	pcs.	2		
11.01.01.05	12.1,12.2,3	II-30 (80)				
		ø900mm	pcs.	2		
11.01.01.06	12.1,12.2,3	II-30 (100)				
		ø900mm	pcs.	2		
11.01.01.07	12.1,12.2,3	III-26				
		ø900mm	pcs.	2		
11.01.01.08	12.1,12.2,3	III-17.1		10		
11.01.01.10	10 1 10 0 2	400x200mm III-56 (2)	pcs.	10		
11.01.01.10	12.1,12.2,3	1400x1200mm	pcs.	1		
11.01.01.11	12.1,12.2,3	III-58	pes.	1		
	12.1,12.2,3	2100x1200mm	pcs.	3		
11.01.01.12	12.1,12.2,3	3T3-1	F	-		
	- , - ,-	2900x3200mm	pcs.	1		
		-	^	(DPEN SECTION	
		INTERCHANGE				
11.01.01.14	12.1,12.2,3	INTERCHANGE				
11.01.01.14	12.1,12.2,5	1200x1200x1200mm	pcs.	3		
11.01.01.15	12.1,12.2,3	II-4	pes.	5		
111011011110	1211,1212,0	ø900mm	pcs.	1		
11.01.01.16	12.1,12.2,3	II-26.1	<u> </u>			
		ø900mm	pcs.	1		
11.01.01.17	12.1,12.2,3	II-30 (100)				
		ø900mm	pcs.	4		
11.01.01.18	12.1,12.2,3	II-30 (20)				
11 01 01 10	10.1.10.0.0	ø900mm II-30 (40)	pcs.	2		
11.01.01.19	12.1,12.2,3	ø900mm	D 00	1		
11.01.01.20	12.1,12.2,3	Ø900mm II-30 (60)	pcs.	1		
11.01.01.20	12.1,12.2,5	ø900mm	pcs.	3		
11.01.01.21	12.1,12.2,3	II-32.2	pes.	5		
11101101121	1211,1212,0	ø900mm	pcs.	2		
11.01.01.22	12.1,12.2,3	II-43	1			
		ø900mm	pcs.	5		
11.01.01.23	12.1,12.2,3	II-45				
		ø900mm	pcs.	2		
11.01.01.24	12.1,12.2,3	III-12 (1)		_		
		2400x1000mm	pcs.	2		
11.01.01.25	12.1,12.2,3	III-13 (4)				
11 01 01 26	10.1.10.0.0	2400x1500mm	pcs.	1		
11.01.01.26	12.1,12.2,3	III-19 2000–1250 mm		2		
11.01.01.27	12.1,12.2,3	900x1350mm III-20	pcs.	2		
11.01.01.27	12.1,12.2,3	900x1350mm	nce	2		
11.01.01.28	12.1,12.2,3	900x1350mm III-61 (1)	pcs.	4		
11.01.01.20	12.1,12.2,3	4200x4800mm	pcs.	1		
11.01.01.29	12.1,12.2,3	III-61 (2)	P00.	•		
	,,,_	3400x440mm	pcs.	1		
11.01.01.30	12.1,12.2,3	III-63	T			
		950x950mm	pcs.	18		
11.01.01.31	12.1,12.2,3	III-63.2				
		950x950mm	pcs.	8		
11.01.01.32	12.1,12.2,3	III-63.1				
		2250x750mm	pcs.	1		1-251

11.01.01.03 S00.02500mm pos 2 Image: S00.000 (pos) 11.01.01.03 11.01.01.03 12.1.12.23 III-57 (1) (pos) pos 1 11.01.01.03 12.1.12.23 III-57 (2) (pos) pos 1 Image: S00.000 (pos) 11.01.01.03 12.1.12.23 III-57 (2) (pos) pos 1 Image: S00.000 (pos) pos 1	No.	T.S	Work description	Unit	Quantity	Unit price	Total
11.01.01.3412.1.12.2310-66 10001200mm pcs.2111.01.01.3512.1.12.2310-72 (1) 10.01.36pcs.1111.01.01.3612.1.12.2310-72 (2) 10.01.36pcs.1111.01.01.3712.1.12.2310-76 10.00.3800s300mm pcs.pcs.1111.01.01.3812.1.12.2310-76 	11.01.01.33	12.1,12.2,3					
International (1000):1200m pes. 2 (1) 11.01.01.36 12.1.12.23 11.727(1) pes. 1 (1) 11.01.01.37 12.1.12.23 11.76 (1) (1) (1) 11.01.01.37 12.1.12.23 11.76 (1) (1) (1) 11.01.01.38 12.1.12.23 11.76 (1) <td>11 01 01 34</td> <td>12 1 12 2 3</td> <td></td> <td>pcs.</td> <td>2</td> <td></td> <td></td>	11 01 01 34	12 1 12 2 3		pcs.	2		
11.01.01.03 11.01.01.03 12.1.12.23 11.76 11.01.01.03 12.1.12.23 11.01.01.03 12.1.12.23 12.1.12.23 12.1.12.23 12.1.12.23 12.1.12.3 13.0.100mm 0000mm 000mm<	11.01.01.34	12.1,12.2,5		pcs.	2		
11.01.01.3612.1,12.2311.72 (2) 10.76 10.76 10.76 10.76 10.76pcs.1-11.01.01.3712.1,12.2310.76 10.76 10.76pcs.211.01.01.3812.1,12.23P.P. 10.76pcs.211.01.01.3912.1,12.23Directional board 300x1000mmpcs.211.01.01.4012.1,12.23Bi-1 12.00x1200L200mmpcs.111.01.01.4112.1,12.23Bi-1 12.00x1200L200mmpcs.111.01.01.4112.1,12.23Bi-1 12.00x1200L200mmpcs.111.01.01.4312.1,12.23Bi-30(60) 900mmpcs.1900mmpcs.111.01.01.4412.1,12.23Bi-30(60) 900mmpcs.211.01.01.4412.1,12.23Bi-30(60) 900mmpcs.211.01.01.4512.1,12.23Bi-30(60) 900mmpcs.111.01.01.4612.1,12.23Bi-30(60) 900mmpcs.111.01.01.4712.1,12.23Bi-30(60) 900mmpcs.111.01.01.4812.1,12.23Bi-30(60) 900mmpcs.111.01.01.4912.1,12.23Bi-30(60) 900mmpcs.111.01.01.4912.1,12.23Bi-31(60) 900mmpcs.1-<	11.01.01.35	12.1,12.2,3	III-72 (1)				
11.01.01.01 11.176 ps. 1 I 11.01.01.38 12.1.12.3.3 IP.P. p.P. 2 III.01.01 11.01.01.39 12.1.12.3.4 IP.P. p.S. 2 III.01.01 11.01.01.39 12.1.12.3.4 IP.C. III.01.01.01 p.S. 2 III.01.01 11.01.01.40 12.1.12.3.4 III.1.01.01.01 p.S. 1 III.01.01.01 III.01.01.01 12.1.12.3.4 III.01.01.01 p.S. 1 III.01.01.01 III.01.01.01 12.1.12.3.4 III.01.01 p.S. 1 III.01.01.01 III.01.01	11.01.01.20	10 1 10 0 2		pcs.	1		
11.01.01.3712.1,2.2,3 10003400rmIII-76 10003400rm1 10003400rm	11.01.01.36	12.1,12.2,3		pcs.	1		
11.01.01.03 12.1,22.3 P.P. 0000mm ps. 0000mm 2 2 11.01.01.03 12.1,22.3 Directional hoard 300x1000mm ps. 2 Image: Constraint of the constraint o	11.01.01.37	12.1,12.2,3		p • 5.	-		
11.01.01.39 12.1.12.23 12.1.12.23 1000mm 1000mm pcs. 2 1 INTERCHANCE INTERCHANCE <	11.01.01.00	10 1 10 0 0		pcs.	2		
11.01.01.39 12.1.12.2.3 Directional board 300x1000mm pcs. 2 network INTERCHANGE ILEVEL JUNCTION, class 2 ILEVEL JUNCTION, class 2 ILOI.01.01 01 12.1.12.2.3 II-1 network 1.200x1200mm pcs. 1 ILOI.01.01.01 12.1.12.2.3 II-2 op00mm pcs. 4 Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4" 1.01.01.01 12.1.12.2.3 II-30 (40) pcs. 4 0	11.01.01.38	12.1,12.2,3		pcs	2		
INTERCHANGE LEVEL JUNCTION, class 2 ILOI 1200x1200mm 11.01.01.40 12.1,12.2,3 II-1 12.00x1200mm pcs. 1 11.01.01.41 12.1,12.2,3 II-28 g900mm pcs. 1 11.01.01.42 12.1,12.2,3 II-30 (d0) g800mm pcs. 1 11.01.01.43 12.1,12.2,3 II-30 (d0) g800mm pcs. 1 11.01.01.44 12.1,12.2,3 II-30 (d0) g900mm pcs. 2 11.01.01.45 12.1,12.2,3 II-43 g900mm pcs. 1 11.01.01.47 12.1,12.2,3 II-45.1 g900mm pcs. 1 11.01.01.48 12.1,12.2,3 III-13 (3) 2100x2100mm pcs. 1 11.01.01.49 12.1,12.2,3 III-13 (3) 2100x2100mm pcs. 1 11.01.01.51 12.1,12.2,3 III-13 (3) 2 2000	11.01.01.39	12.1,12.2,3		- pes.			
LEVEL JUNCTION, class 2 11.01.01.40 12.1.12.2.3 II-1 11.00.01.41 12.1.12.2.3 II-2 pcs. 1 11.01.01.41 12.1.12.2.3 II-2 pomm pcs. 1 11.01.01.42 12.1.12.2.3 II-38 pcs. 4			300x1000mm	pcs.			
11.01.01.04 12.1,12.2,3 II-1 pes. 1 11.01.01.04 12.1,12.2,3 II-200x1200x1200mm pes. 1 - 11.01.01.04 12.1,12.2,3 II-200 pes. 1 - 11.01.01.04 12.1,12.2,3 II-30 (40) pes. 1 - 11.01.01.04 12.1,12.2,3 II-30 (60) pes. 1 - 11.01.01.04 12.1,12.2,3 II-30 (60) pes. 2 - 11.01.01.04 12.1,12.2,3 II-30 (60) pes. 2 - 11.01.01.04 12.1,12.2,3 II-31 (1) pes. 1 - 11.01.01.04 12.1,12.2,3 III-31 (1) pes. 1 - 11.01.01.04 12.1,12.2,3 III-31 (1) pes. 1 - 11.01.01.05 12.1,12.2,3					П	NTERCHANGE	
11.01.01.41 12.00x1200x1200mm pcs. 1 1 11.01.01.41 12.1,12.2,3 II-2 pcs. 1 1 11.01.01.42 12.1,12.2,3 II-28 pcs. 1 1 11.01.01.43 12.1,12.2,3 II-30 (40) pcs. 1 1 11.01.01.44 12.1,12.2,3 II-30 (60) pcs. 1 1 11.01.01.44 12.1,12.2,3 II-30 (60) pcs. 2 1 11.01.01.45 12.1,12.2,3 II-43 g900mm pcs. 1 1 11.01.01.47 12.1,12.2,3 II-43 g900mm pcs. 1 1 11.01.01.48 12.1,12.2,3 III-13 (3) pcs. 1				2			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	11.01.01.40	12.1,12.2,3		nce	1		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	11.01.01.41	12.1,12.2,3		pes.	1		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				pcs.	1		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	11.01.01.42	12.1,12.2,3			4		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	11.01.01.43	12.1.12.2.3		pes.	4		
Interpretation point pcs. 2 11.01.01.45 12.1,12.2,3 II-30 (80) pcs. 2 11.01.01.46 12.1,12.2,3 II-43 pcs. 1 900mm pcs. 1 1 1 11.01.01.46 12.1,12.2,3 III-43.1 pcs. 1 900mm pcs. 1 1 1 11.01.01.47 12.1,12.2,3 III-13 (1) pcs. 1 200x2100mm pcs. 1 1 1 11.01.01.49 12.1,12.2,3 III-13 (2) pcs. 1 1 11.01.01.50 12.1,12.2,3 III-13 (2) pcs. 1 1 11.01.01.51 12.1,12.2,3 III-8 (2) pcs. 1 1 11.01.01.51 12.1,12.2,3 III-8 (2) pcs. 1 1 11.01.01.54 12.1,12.2,3 III-8 (2) pcs. 1 1 11.01.01.55 12.1,12.2,3 III-14 pcs. 2 1		,,-	ø900mm	pcs.	1		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	11.01.01.44	12.1,12.2,3			2		
bit Number of Section 11:01:01:46 9900mm pcs. 2 11:01:01:46 12:1,12:2,3 II-45:1 pcs. 1 9000mm pcs. 1 pcs. 1 11:01:01:47 12:1,12:2,3 III-13:1 pcs. 1 11:01:01:48 12:1,12:2,3 III-13:(1) pcs. 1 2400x2700mm pcs. 1 1 1 11:01:01:49 12:1,12:2,3 III-13:(2) pcs. 1 21:00x2100mm pcs. 1 1 1 11:01:01:50 12:1,12:2,3 III-13:(3) pcs. 1 1 21:00x2100mm pcs. 1	11 01 01 45	12 1 12 2 3		pcs.	2		
Biological ge00mm pcs. 1 11.01.01.47 12.1,12.2,3 III-4.1. ge00mm pcs. 2 11.01.01.48 12.1,12.2,3 III-13 (1) pcs. 1 1 11.01.01.48 12.1,12.2,3 III-13 (1) pcs. 1 1 11.01.01.49 12.1,12.2,3 III-13 (2) pcs. 1 1 11.01.01.50 12.1,12.2,3 III-13 (3) pcs. 1 1 11.01.01.51 12.1,12.2,3 III-25 pcs. 1 1 11.01.01.51 12.1,12.2,3 III-8 (2) pcs. 1 1 11.01.01.52 12.1,12.2,3 III-8 (2) pcs. 1 1 11.01.01.54 12.1,12.2,3 III-8 (2) pcs. 1 1 11.01.01.55 12.1,12.2,3 III-14 (2) pcs. 1 1 11.01.01.55 12.1,12.2,3 III-14 (2) pcs. 1 1 11.01.01.57 12.1,12.2,3 III-25 (2) pcs.	11.01.01.15	12.1,12.2,5		pcs.	2		
11.01.01.47 12.1,12.2,3 II-45.1 pcs. 2 11.01.01.48 12.1,12.2,3 III-13 (1) pcs. 1 2400x2700mm pcs. 1 1 11.01.01.49 12.1,12.2,3 III-13 (2) pcs. 1 11.01.01.49 12.1,12.2,3 III-13 (3) pcs. 1 11.01.01.50 12.1,12.2,3 III-13 (3) pcs. 1 11.01.01.51 12.1,12.2,3 III-13 (3) pcs. 1 11.01.01.51 12.1,12.2,3 III-13 (3) pcs. 1 11.01.01.51 12.1,12.2,3 III-8 (3) pcs. 1 1 11.01.01.52 12.1,12.2,3 III-8 (1) pcs. 1 1 11.01.01.53 12.1,12.2,3 III-8 (2) pcs. 1 1 11.01.01.54 12.1,12.2,3 III-13 pcs. 1 1 11.01.01.55 12.1,12.2,3 III-28 p00mm pcs. 1 1 11.01.01.56 12.1,12.2,3 III-28 g900mm pcs. 3 1 11.01.01.57	11.01.01.46	12.1,12.2,3					
bit g900mm pcs. 2 11.01.01.48 12.1,12.2,3 III-13 (1) 2400x2700mm pcs. 1 11.01.01.49 12.1,12.2,3 III-13 (2) pcs. 1 1 11.01.01.50 12.1,12.2,3 III-13 (2) pcs. 1 1 11.01.01.50 12.1,12.2,3 III-13 (2) pcs. 1 1 11.01.01.51 12.1,12.2,3 III-13 (3) pcs. 1 1 11.01.01.51 12.1,12.2,3 III-8 (1) pcs. 1 1 11.01.01.52 12.1,12.2,3 III-8 (1) pcs. 1 1 11.01.01.53 12.1,12.2,3 III-8 (1) pcs. 1 1 11.01.01.54 12.1,12.2,3 III-8 (1) pcs. 1 1 11.01.01.54 12.1,12.2,3 III-13 mccional board 1 1 11.01.01.55 12.1,12.2,3 III-28 900mm pcs. 3 1 11.01.01.57 12.1,12.2,3 III-28	11 01 01 47	12 1 12 2 3		pcs.	1		
11.01.01.49 12.1,12.23 11.113 (2) pcs. 1 1 11.01.01.50 12.1,12.2,3 III-13 (3) pcs. 1 1 11.01.01.50 12.1,12.2,3 III-13 (3) pcs. 1 1 11.01.01.51 12.1,12.2,3 III-13 (3) pcs. 1 1 11.01.01.51 12.1,12.2,3 III-25 pd00mm pcs. 1 1 11.01.01.52 12.1,12.2,3 III-8 (1) pd000mm pcs. 1 1 11.01.01.52 12.1,12.2,3 III-8 (1) pcs. 1 1 1 11.01.01.54 12.1,12.2,3 III-11 pcs. 1 1 1 11.01.01.55 12.1,12.2,3 III-11 pcs. 1 1 1 11.01.01.55 12.1,12.2,3 III-12 pd00mm pcs. 1 1 11.01.01.56 12.1,12.2,3 II-28 pd00mm pcs. 3 1 11.01.01.57 12.1,12.2,3 II-25 <	11.01.01.47	12.1,12.2,5		pcs.	2		
11.01.01.49 12.1,12.2,3 III-13 (2) 2100x2100mm pcs. 1 11.01.01.50 12.1,12.2,3 III-13 (3) pcs. 1 1 11.01.01.50 12.1,12.2,3 III-25 pcs. 1 1 11.01.01.51 12.1,12.2,3 III-25 pcs. 1 1 11.01.01.52 12.1,12.2,3 III-8 (1) pcs. 1 1 2400x2900mm pcs. 1 1 1 1 1 11.01.01.53 12.1,12.2,3 III-8 (1) pcs. 1	11.01.01.48	12.1,12.2,3					
11.01.01.50 12.1,12.2,3 11-13 (3) pcs. 1 1 11.01.01.51 12.1,12.2,3 11-25 pcs. 1 1 11.01.01.51 12.1,12.2,3 11-25 pcs. 1 1 11.01.01.52 12.1,12.2,3 11-8 (1) pcs. 1 1 11.01.01.53 12.1,12.2,3 11-8 (2) pcs. 1 1 11.01.01.54 12.1,12.2,3 11-1 pcs. 1 1 11.01.01.55 12.1,12.2,3 11-1 pcs. 2 1 1 11.01.01.56 12.1,12.2,3 11-2 pcs. 3 1 1 11.01.01.57 12.1,12.2,3 11-2 pcs. 3 1 1 11.01.01.57 12.1,12.3	11 01 01 40	10 1 10 0 2		pcs.	1		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	11.01.01.49	12.1,12.2,5		pcs.	1		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	11.01.01.50	12.1,12.2,3	III-13 (3)				
$ \begin{array}{ c c c c c c } & & & & & & & & & & & & & & & & & & &$	11 01 01 51	12 1 12 2 2		pcs.	1		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11.01.01.31	12.1,12.2,5		pcs.	1		
11.01.01.53 12.1,12.2,3 III-8 (2) 2800x2900mm pcs. 1	11.01.01.52	12.1,12.2,3	III-8 (1)				
11.01.01.054 12.1,12.2,3 11.11 pcs. 1 1 11.01.01.05 12.1,12.2,3 Directional board 300x1000mm pcs. 1 - - 11.01.01.05 12.1,12.2,3 Directional board 300x1000mm pcs. 1 - - 11.01.01.05 12.1,12.2,3 Directional board 300x1000mm pcs. 2 - - 11.01.01.05 12.1,12.2,3 II-28 9900mm pcs. 3 - - - - 11.01.01.05 12.1,12.2,3 II-28 9900mm pcs. 3 -	11 01 01 52	10.1.10.0.0		pcs.	1		
11.01.01.54 12.1,12.2,3 III-11 600x900mm pcs. 1	11.01.01.53	12.1,12.2,3		pcs.	1		
11.01.01.55 12.1,12.2,3 Directional board 300x1000mm pcs. 2 LEVEL JUNCTION, class 2 LEVEL JUNCTION, class 2 11.01.01.56 12.1,12.2,3 II-28 ø900mm pcs. 3 - 11.01.01.57 12.1,12.2,3 III-25 ø900mm pcs. 3 - - 11.01.01.57 12.1,12.2,3 III-25 ø900mm pcs. 3 - - RELOCATION OF R-214, class 2 TI1.01.01.58 12.1,12.2,3 II-28 ø600mm pcs. 3 - - 11.01.01.58 12.1,12.2,3 II-28 ø600mm pcs. 3 - - 11.01.01.58 12.1,12.2,3 II-2 -	11.01.01.54	12.1,12.2,3		P			
Market 300x1000mm pcs. 2 Image: Constraint of the state o	11 01 01 55	10.1.10.0.0		pcs.	1		
IEVEL JUNCTION, class 2 RELOCATION OF M-1, class 2 11.01.01.56 12.1,12.2,3 II-28 pcs. 3 0900mm pcs. 3 0 <t< td=""><td>11.01.01.55</td><td>12.1,12.2,3</td><td></td><td>pcs.</td><td>2</td><td></td><td></td></t<>	11.01.01.55	12.1,12.2,3		pcs.	2		
11.01.01.56 12.1,12.2,3 II-28 pcs. 3 11.01.01.57 12.1,12.2,3 III-25 pcs. 3 0900mm pcs. 3 pcs. 3 RELOCATION OF R-214, class 2 RELOCATION OF R-214, class 2 11.01.01.58 12.1,12.2,3 II-28 pcs. 3 0600mm pcs. 3 pcs. 3 11.01.01.58 12.1,12.2,3 II-28 pcs. 3 pcs. 3 11.01.01.59 12.1,12.2,3 II-2 pcs. 3 pcs. 1 11.01.01.60 12.1,12.2,3 II-2 pcs. 1 pcs. 1 11.01.01.60 12.1,12.2,3 II-2 pcs. 1 pcs. 1 11.01.01.60 12.1,12.2,3 II-30(60) pcs. 1 pcs. 1	l					CTION, class 2	
11.01.01.56 12.1,12.2,3 II-28 pcs. 3 11.01.01.57 12.1,12.2,3 III-25 pcs. 3 0900mm pcs. 3 pcs. 3 RELOCATION OF R-214, class 2 RELOCATION OF R-214, class 2 11.01.01.58 12.1,12.2,3 II-28 pcs. 3 0600mm pcs. 3 pcs. 3 11.01.01.58 12.1,12.2,3 II-28 pcs. 3 pcs. 3 11.01.01.59 12.1,12.2,3 II-2 pcs. 3 pcs. 1 11.01.01.60 12.1,12.2,3 II-2 pcs. 1 pcs. 1 11.01.01.60 12.1,12.2,3 II-2 pcs. 1 pcs. 1 11.01.01.60 12.1,12.2,3 II-30(60) pcs. 1 pcs. 1			RELOCATION OF M-1 class	2			
11.01.01.57 12.1,12.2,3 III-25 ø900mm pcs. 3 RELOCATION OF R-214, class 2 11.01.01.58 12.1,12.2,3 II-28 ø600mm pcs. 3 11.01.01.59 12.1,12.2,3 II-2 ø600mm pcs. 3 11.01.01.60 12.1,12.2,3 II-2 ø600mm pcs. 1 11.01.01.60 12.1,12.2,3 II-2 ø600mm pcs. 1 11.01.01.60 12.1,12.2,3 II-30(60) ø600mm pcs. 1	11.01.01.56	12.1,12.2,3					
join pcs. 3 RELOCATION OF R-214, class 2 11.01.01.58 12.1,12.2,3 II-28 RELOCATION OF R-214, class 2 11.01.01.59 12.1,12.2,3 II-2 pcs. 3 11.01.01.60 12.1,12.2,3 II-2 pcs. 1 0600mm pcs. 1 pcs. 1 11.01.01.60 12.1,12.2,3 II-2 pcs. 1 0600mm pcs. 1 pcs. 1 11.01.01.60 12.1,12.2,3 II-30(60) pcs. 1 pcs. 0600mm pcs. 2 pcs. 1 pcs.	11.01.01			pcs.	3		
RELOCATION OF M-1, class 2 RELOCATION OF R-214, class 2 11.01.01.58 12.1,12.2,3 II-28 pcs. 3 11.01.01.59 12.1,12.2,3 II-2 pcs. 1 11.01.01.60 12.1,12.2,3 II-30(60) pcs. 1 0600mm pcs. 1 1 11.01.01.60 12.1,12.2,3 II-30(60) pcs. 2	11.01.01.57	12.1,12.2,3		nce	3		
RELOCATION OF R-214, class 2 11.01.01.58 12.1,12.2,3 II-28 pcs. 3 11.01.01.59 12.1,12.2,3 II-2 pcs. 1 11.01.01.60 12.1,12.2,3 II-30(60) pcs. 1 0600mm pcs. 2 1			la soomm	1		OF M-1, class 2	
11.01.01.58 12.1,12.2,3 II-28 pcs. 3 11.01.01.59 12.1,12.2,3 II-2 pcs. 1 11.01.01.60 12.1,12.2,3 II-30(60) pcs. 1 11.01.01.60 12.1,12.2,3 II-30(60) pcs. 2			RELOCATION OF R-214 class				
11.01.01.59 12.1,12.2,3 ø600mm pcs. 3 11.01.01.60 12.1,12.2,3 II-2 pcs. 1 11.01.01.60 12.1,12.2,3 II-30(60) pcs. 2	11.01.01.58	12.1,12.2,3					
11.01.01.60 12.1,12.2,3 ø600mm pcs. 1 w600mm pcs. 2				pcs.	3		
11.01.01.60 12.1,12.2,3 II-30(60) ø600mm pcs. 2	11.01.01.59	12.1,12.2,3		nee	1		
ø600mm pcs. 2	11.01.01.60	12.1,12.2,3		pes.	1		
RELOCATION OF R-214, class 2			ø600mm				
				RELO	CATION O	F R-214, class 2	

No.	T.S	Work description	Unit	Quantity	Unit price	Total
11 01 01 (1	10 1 10 0	LOCAL ROADS, class 2				
11.01.01.61	12.1,12.2	II-21 4m ø600mm	pcs.	6		
		Ø800mm	pes.	-	ROADS, class 2	
					10112 5, enuss 2	
11.01.02.	12.4	Supporting post for reflective traffic sign (delivered	ed to the	site):		
11.01.02.01	12.4	OPEN SECTION φ 60 x 2300 mm		<u> </u>		
11.01.02.01	12.4	φ 60 x 2500 mm	pcs.	24		
11.01.02.02		post sign	pes.	24		
11.01.02.02		poor orgin	pcs.	4		
•			1 1		PEN SECTION	
		INTERCHANGE				
11.01.02.03	12.4	φ 60 x 2300 mm		<u>г т</u>		
11.01.02.03	12.4	φ 60 x 2500 mm	pcs.	2		
11.01.02.04		φ 60 x 3000 mm	pes.	-		
		T T T T T	pcs.	13		
11.01.02.05		ф 60 x 3500 mm			1	
			pcs.	4		
11.01.02.06		φ 60 x 4000 mm				
			pcs.	3		
11.01.02.07		segment - "T" portal + anchoring to wall +		1		
11.01.02.08		installation 'I'' portal + foundation + installation	pcs.	1		
11.01.02.08			pes.	-	ITERCHANGE	
				11		
11.01.02.00	12.4	LEVEL JUNCTION, class	2	. I		
11.01.02.09	12.4	φ 60 x 2300 mm		4		
11.01.02.10		ф 60 x 3000 mm	pcs.	4		
11.01.02.10		φ 00 x 5000 mm	pcs.	2		
11.01.02.11		φ 60 x 4000 mm	pes.	-		
		T ···	pcs.	8		
-		-	L	EVEL JUN	CTION, class 2	
		RELOCATION OF M-1, clas	ne 2			
11.01.02.12	12.4	φ 60 x 3000 mm	55 2			
11.01.02.12	12.1		pcs.	2		
		·			OF M-1, class 2	
		DELOCATION OF D 014 al	200 2			
11.01.02.13	12.4	RELOCATION OF R-214, cla φ 60 x 3000 mm	155 2		I	
11.01.02.13	12.4	Ψ 00 x 5000 mm	pcs.	2		
11.01.02.14		ф 60 x 4000 mm	P-0.	_	<u> </u>	
		*	pcs.	2		
			RELO	CATION O	F R-214, class 2	
		LOCAL ROADS, class 2				
11.01.02.15	12.4	Sign support mounted to bridge wall				
		6 Tr	pcs.	6		
		·			ROADS, class 2	
11.01.03.	12.4	Mounting of all daligand algorate around and		1		
11.01.03.	12.4	Mounting of all delivered elements except non- standard boards and portals				
		stanuaru boarus anu portais	1			
		Working hours of two 5-men crews	day	1		

SUMMARY ELEMENTS OF TRAFFIC SIGNS AND SIGNALS	
OPEN SECTION - TOTAL ELEMENTS OF TRAFFIC SIGNS AND SIGNALS	
INTERCHANGE - TOTAL ELEMENTS OF TRAFFIC SIGNS AND SIGNALS	
LEVEL JUNCTION - TOTAL ELEMENTS OF TRAFFIC SIGNS AND SIGNALS	
RELOCATION OF M-1 - TOTAL ELEMENTS OF TRAFFIC SIGNS AND SIGNALS	
R-214 - TOTAL ELEMENTS OF TRAFFIC SIGNS AND SIGNALS	
LOCAL ROADS - TOTAL ELEMENTS OF TRAFFIC SIGNS AND SIGNALS	
Mounting of all delivered elements	
TOTAL ELEMENTS OF TRAFFIC SIGNS AND SIGNALS	1-253

No.	T.S	IARKINGS Work description	Unit	Quantity	Unit price	Total
11.02.		ELEMENTS OF ROAD MARKINGS				
		OPEN SECTION				
11.02.01.	12.5	continuous line (0.20m)	2			
			m ²	1,680.00		
11.02.02.		vibro continuous line (0.20m)	2	1 (00 00		
11.02.02			m ²	1,680.00		
11.02.03.		broken line, type C (0.2m)	m^2	5 60 00		
		6-12m	m	560.00	PEN SECTION	
				0	I EN SECTION	
		INTERCHANGE				
11.02.04.	12.5	continuous line (0.20m)	2			
			m ²	1,040.40		
11.02.05.		wide broken line, type B (0.3m)	m^2	12.20		
11.02.06		3-3m short broken line, type A (0.15m)	m	43.20		
11.02.06.			m^2	4.00		
11.02.07.		1-1m slanted limit lines and limit lines	111	4.00		
11.02.07.		statted mint mes and mint mes	m^2	2,211.03		
11.02.11.		sound strip		2,211.05		
11.02.111.		sound surp	m	54.00		
					NTERCHANGE	
			2			
11.02.09.	12.5	LEVEL JUNCTION, class	2			
11.02.09.	12.5	continuous edge line	m^2	209.1		
11.02.10.		cross road markings	- 111	209.1		
11.02.10.		cross road markings	m^2	6.6		
11.02.11.		arrows		0.0		
11.02.111			m^2	57.0		
11.02.12.		traffic direction fields				
			m^2	271.0		
11.02.13.		line 1-1m				
			m ²	4.8		
11.02.14.		line 3-3m	2			
			m^2	3.6		
			L	EVEL JUN	CTION, class 2	
		RELOCATION OF M-1, clas	ss 2			
11.02.15.	12.5	continuous edge line				
		-	m ²	426.6		
11.02.16.		warning line				
		10-5m	m ²	27.0		
11.02.17.		broken line, type C (0.15m)	2			
		5-10m	m ²	36.0		
			REL	OCATION	OF M-1, class 2	
		RELOCATION OF R-214, cla	ass 2			
11.02.111.	12.5	continuous edge line				
			m ²	126.2		
11.02.19.		continuous lane line				
			m ²	63.1		
11.02.20.	12.5	Mounting of all delivered elements except non-				
		standard boards and portals				
1		Working hours for two 5-man teams	day	4		
			RELO	CATION O	F R-214, class 2	

LEMENTS OF ROAD MARKINGS						
OPEN SECTION - TOTAL ELEMENTS OF ROAD MARKINGS						
INTERCHANGE - TOTAL ELEMENTS OF ROAD MARKINGS						
LEVEL JUNCTION - TOTAL ELEMENTS OF ROAD MARKINGS						
RELOCATION OF M-1 - TOTAL ELEMENTS OF ROAD MARKINGS						
R-214 - TOTAL ELEMENTS OF ROAD MARKINGS						
TOTAL ELEMENTS OF ROAD MARKINGS						

No.	T.S	delivery + full installation Work description	Unit	Quantity	Unit price	Total
11.03.		TRAFFIC EQUIPMENT - delivery + full insta	llation			
		OPEN SECTION	_			
11.3.01.	12.6	Double sided distance barrier				
		H2W7 assembly-type	m	48		
11.3.02.		Single sided distance barrier				
		H1W4* on the road	m	68		
11.3.03.		Single sided distance barrier				
		H1W5	m	6460		
11.3.06.		Single sided distance barrier				
		H2W4	m	3500		
11.3.07.		Single sided distance barrier		5004		
		H2W4* on the structure	m	5204		
11.3.11.		Single sided barrier		16		
11.0.00		Circula aide d'distance hannian	m	16		
11.3.09.		Single sided distance barrier		20		
11 2 10		H1W5-H2W4 crossing	pcs.	30		
11.3.10.		Direction sign		20		
11.3.11.		Retroreflecting stud on safety barrier	pcs.	20		
11.3.11.		Renoteneeting stud on safety barrier	nas	600		
11.3.12.		Oblique ending of single-sided distance barrier,	pcs.	000		
11.5.12.		12m	pcs.	12		
		12111	pes.			
				0	PEN SECTION	
		INTERCHANGE				
11.3.13.	12.6	Single sided barrier				
		N2W4	m	3076		
11.3.14.		Single sided distance barrier				
		H1W4* on the road	m	444		
11.3.15.		Single sided distance barrier				
		H1W5	m	92		
11.3.16.		Single sided distance barrier				
		H1W4-N2W4 crossing	m	4		
11.3.17.		Single sided distance barrier		2		
11 2 111		H1W5-N2W4 crossing	m	2		
11.3.111.		Oblique ending of single-sided distance barrier,		4		
11.2.10		12m Oblique ending of single-sided barrier, 12m	m	4		
11.3.19.		Oblique ending of shigle-sided barrier, 1211		5		
11.3.20.		Direction sign	m	5		
11.5.20.		Direction sign	nce	16		
11.3.21.		Retroreflecting stud on safety barrier	pcs.	10		
11.3.21.		Renorence ting stud on safety barrier	pcs.	307		
11.3.22.		Absorber	pes.	307		
11.3.22.			pcs.	2		
			pes.			
				Iľ	NTERCHANGE	
		LEVEL JUNCTION				
11.3.23.	12.6	Single sided barrier				
		N2W4	m	596		
11.3.24.		Oblique ending of single-sided barrier, 12m	1.			
11.0.0-		Dissection ais :	pieces	4		
11.3.25.		Direction sign		16		
11.2.2.		Determedianting start and start to the fater 1	pcs.	16		
11.3.26.		Retroreflecting stud on safety barrier				
			pcs.	44		
				LEV	EL JUNCTION	
		RELOCATION OF M-1				
11.3.27.	12.6	Single sided barrier				
		H1W5	m	1420		
11.3.211.		Direction sign				
			pcs.	29		
11.3.29.		Retroreflecting stud on safety barrier	pcs.	60		
				DELOC	ATION OF M-1	

No.	T.S	Work description	Unit	Quantity	Unit price	Total
		RELOCATION OF R-2	14			
11.3.30.	12.6	Single sided distance barrier				
		H1W5	m	704		
11.3.31.		Single sided distance barrier				
		H2W4	m	88		
11.3.32.		Single sided distance barrier				
		H2W4* on the road	m	224		
11.3.33.		Single sided distance barrier				
		H1W5-H2W4 crossing	m	4		
11.3.34.		Oblique ending of single-sided barrier, 12m				
			pieces	1		
11.3.35.		Direction sign				
			pcs.	2		
11.3.36.		Retroreflecting stud on safety barrier				
			pcs.	85		
				RELOCAT	FION OF R-214	
		LOCAL ROADS				
11.3.37.	12.6	Single sided distance barrier				
		N2W4	m	332		
11.3.311.		Retroreflecting stud on safety barrier				
			pcs.	28		
				L	OCAL ROADS	

SUMMARY TRAFFIC EQUIPMENT - delivery + full installation	
OPEN SECTION - TOTAL ELEMENTS OF TRAFFIC EQUIPMENT	
INTERCHANGE - TOTAL ELEMENTS OF TRAFFIC EQUIPMENT	
LEVEL JUNCTION - TOTAL ELEMENTS OF TRAFFIC EQUIPMENT	
RELOCATION OF M-1 - TOTAL ELEMENTS OF TRAFFIC EQUIPMENT	
R-214 - TOTAL ELEMENTS OF TRAFFIC EQUIPMENT	
LOCAL ROADS - TOTAL ELEMENTS OF TRAFFIC EQUIPMENT	
TOTAL TRAFFIC EQUIPMENT - delivery + full installation	

11. Summary – Traffic-technical and service equipment for roads	
11.01.01. TRAFFIC SIGNS AND SIGNALS	
11.01.02. ROAD MARKINGS	
11.01.03. ELEMENTS OF TRAFFIC EQUIPMENT	
SUB-TOTAL	
Unforeseen work (5% of sub-total)	
<u>Total Traffic-technical and service equipment for roads (11.):</u>	

12. TECHNICAL INFRASTRUCTURE DESIGN OF LIGHTING SYSTEM AT "PREDEJANE" GRADE-SEPARATED JUNCTION AND POWER SUPPLY TO TOLL STAT

Item No.	T.S.	Work Description	Unit	WER SUPPI Quantity	Unit Price	Total
1.1.01.00		PUBLIC LIGHTING SYSTEM AT "PREDEJANE" IN				
		CIVIL WORKS				
1.1.01.01	16.5.5.6	Construction of foundation for public lighting pole. The foundation is of prismatic shape with base of 1.2 mx1.2 m in size embedded to a depth of 1.2 m, as shown on the drawing. The item includes: earth excavation, placing				
		formwork, laying Ø70 mm pipe for cable routing, fixing anchors for pole planting and sealing with concrete, class MB20. All materials and work included.	complete	32		
1.1.01.02	16.5.5.6	Construction of foundation for public lighting pole. The foundation is of prismatic shape with base of 0.9 mx0.9 m in size embedded to a depth of 1 m, as shown on the drawing. The item includes: earth excavation, placing formwork, laying Ø70 mm pipe for cable routing, fixing anchors for pole planting and sealing with concrete, class MB20. All materials and work included.				
1.1.01.03	16.5.5.2.	Excavation of 0.4 m wide and 0.8 m deep cable trench for laying one low-voltage cable line. Trench shall be filled	complete	77		
		with fine grained earth (sand) and backfilled, earth compacted and leveled.	m'	3316		
1.1.01.04	16.5.5.2.	Excavation of 0.5 m wide and 0.8 m deep cable trench for laying one low-voltage cable line. Trench shall be filled with fine grained earth (sand) and backfilled, earth				
1.1.01.05	16.5.5.2.	compacted and leveled. Excavation of 0.6 m wide and 0.8 m deep cable trench for laying three low-voltage cable line. Trench shall be filled with fine grained earth (sand) and backfilled, earth	m'	363		
1.1.01.06	16.5.5.2.	compacted and leveled. Excavation of 0.75 m wide and 0.8 m deep cable trench for laying four low-voltage cable line. Trench shall be filled with fine grained earth (sand) and backfilled, earth	<u>m'</u>	175		
1.1.01.07	1.1.01.07	compacted and leveled. For developed land: delivery and placing of markers for cable route, cable conduits and crossing points with underground installations.	m'	30		
1.1.01.08	1.1.01.08	For undeveloped land: delivery and placing of markers for	pcs.	5		
1.1.01.00	1.1.01.00	cable route, cable conduits and crossing points with underground installations.				
			pcs.	98		
1.1.01.09	1.1.01.09	Delivery and laying of PVC pipe, F 2x110 mm	m'	105		
1.1.01.10	1.1.01.10	Delivery and laying of PVC pipe, F 4x110 mm	m'	48		
1.1.01.11	1.1.01.11	Delivery and laying of PVC pipe, F 6x110 mm	m'	7		
					VIL WORKS:	
		ELECTRICAL AND INSTALLATION WORKS		_		
1.1.03.12	16.5.5.6	Delivery and erection of 13 m high public lighting pole. Outer and inner surfaces of the pole are galvanized and the pole is provided with anti-vandal lock. The item includes				
		delivery and installation of connecting gears with 6 A fuses, one for each luminaire, including other electrical and installation material required for connecting the				
		connecting gear equipment. Delivery and drawing of PP 00 -Y $3x2.5 \text{ mm2} + 2.5 \text{ mm2}$ feeder cables through the pole to each luminaire as well as connecting of cable ends.				
		The item also includes delivery and placing of rubber pad for pole leveling. The rubber pad shall be placed between the anchor plate and pole foundation and it will serve as a buffer between metal and concrete surfaces. The pad				
		surface is grooved to enable water runoff. Poles on the bridge over the Južna Morava River shall be anchored on already prepared anchors on the brackets.				
		All materials and work included.	pcs.	56		

1.103.13 16.5.5.6 Delivery and exercise of the high public lighting plot. 0.101.03 Otter and instruction of the one analyzation of the pair interm includes delivery and analyzation of concentrations gates with a concentring gate. Which a dot not for each humanine, includes of other backs and the interm includes delivery and darving of the PU to Ya. 32.5 mm2 + 2.5	Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
1.1.05.14 1.1.05.15 1.1.05.15 1.1.05.15 1.1.05.16 1.1.05.16 1.1.05.16 1.1.05.16 1.1.05.17 1.1.05.17 1.1.05.17 1.1.05.17 1.1.05.17 1.1.05.17 1.1.05.17 1.1.05.17 1.1.05.17 1.1.05.17 1.1.05.17 1.1.05.17 1.1.05.17 1.1.05.17 1.1.05.17 1.1.05.17 1.1.05.17 1.1.05.17 <t< td=""><td></td><td></td><td></td><td>Cint</td><td>Quantity</td><td></td><td>Totui</td></t<>				Cint	Quantity		Totui
pole is provided with anti-andol lock. The item includes believery and installation of connecting gets and the formation of an includes in the connecting gets Different and includes defivery and interior path for pole localing. The other and solid for path of the path for pole localing. The other and solid for path of the other and the connecting of an includes defivery and index path for pole localing. The other and solid for path of the other and the other and includes defivery and index path for pole localing. The other and solid for path of the other and the path of the path of the other and the path of the path of the other and the other and includes defivery and placing of nulser path for pole localing. The other and the other and the other and the one index prepared achies on the overpas that the index of the path of the other and the other path for pole localing. The other and the other and the other and the other and the other and the other and the other path of lighting pite. All materials and vork included. pct. 84 11.00.14 11.03.16 11.03.16 10.05 path of the other and its monthing on a public lighting pite. All materials and vork included. pct. 10 11.00.17 11.03.16 11.03.16 11.03.16 11.03.16 11.03.16 11.03.16 11.03.17 11.03.17 11.03.16 11.03.16 11.03.16 11.03.16 11.03.17 11.03.16 11.03.16 11.03.16 11.03.17 11.03.17 11.03.17 11.03.16 11.03.16 11.03.18 11.03.17 11.03.17 11.03.16 11.03.16 11.03.17 11.03.17							
i.editory and installation of connecting gains with 6.4 funct, to ofe each limitaria, including of relation of the point in the connecting gain Delevery and Leaving (PR OC) NL25 mm2 + 25 mm2 feeder cables functions in the point on each homistry as well acconnecting of cables paid for pole leveling. The robust paid shall be placed between the anchesed the limit of the place of between the anchesed on already prepared ancheses. The paid indicates and visit of the place of between the anchesed on already prepared ancheses. The paid indicates is growed to studied the place of between the anchesed on already instantian of visit with avers a a buffer between multiplace and the instantian of visit with avers as anchesed on already prepared ancheses. The paid indicates is growed to studied anchesed on already instantians and visit installed. pcts 84 11.03.14 11.03.15 11.03.16 Delivery of anyone for two luminatives and aver instantians. All materials and visit installed. pcts 84 11.03.16 11.03.17 11.03.17 11.03.18 Delivery of support for two luminatives and its moonthing entro public lighting pole. All materials and vers included. pcts 38 11.03.16 Delivery of humanities with adequate the 13.20 With and control gain (inspedic able and kin docube the able power minity and their moonting onto public lighting pole. All materials and vers included. pcts 38 11.03.17 11.03.19 Delivery of humanities with adequate the 32.20 With and control gain (inspedic able and kin docube power minity and their moonting onto public lighting pole. All materials and vers included pole. pcts 76 11.03.21 11.03.21 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
1.05.1 11.03.16 11.03.16 11.03.17 11.03.17 11.03.17 11.03.18 11.03.18 11.03.18 11.03.18 11.03.18 11.03.18 11.03.19 11.03.10 11.03.11 11.03.11 11.03.12 11.03.1							
1.102.14 1.1.03.16 1.1.03.15 1.1.03.17 1.1.03.16 1.1.03.18 1.1.03.17 1.1.03.18 1.1.03.18 1.1.03.14 1.1.03.14 1.1.03.14 1.1.03.15 Delivery of Lambards and the adaption of table of the second of the adaption of table of the second of the adaption of table of the second of t							
11.02.1 11.02.16 11.02.17 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.15 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.15 Delivery of 1.1 for log diversion and its monting on a public point of a diversion and its monting on a public point of a diversion and its monting on a public point of a diversion and its monting on a public point of a diversion and its monting on a public point of a diversion and its monting on a public point of a diversion and its monting on a public point of a diversion and its monting on a public point of a diversion and its monting on a public point of a diversion and its monting on a point of a diversion and its monting on a point of a diversion and its monting on a point of a diversion and its monting on a point of a diversion and its monting on a point of a diversion and its monting on a diversion and a diversion and its monting on a diversion and a diversion and its monting on a diversion and a diversion and its monting on a diversion and a diversion and its monting on a diversion and a diversion and its monting on a diversion and its monting on a diversion and its monting on a diversion and a diversion and its monting on a diversion and a diversion and its monting on a diversion and a diversion and its monting on a diversion and a diversion and its monting on a diversion and a diversis and dits monting on a dits diversion and its montit and a diver							
11.02.1 11.02.16 11.02.17 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.15 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.14 11.02.15 Delivery of 1.1 for log diversion and its monting on a public point of a diversion and its monting on a public point of a diversion and its monting on a public point of a diversion and its monting on a public point of a diversion and its monting on a public point of a diversion and its monting on a public point of a diversion and its monting on a public point of a diversion and its monting on a public point of a diversion and its monting on a public point of a diversion and its monting on a point of a diversion and its monting on a point of a diversion and its monting on a point of a diversion and its monting on a point of a diversion and its monting on a point of a diversion and its monting on a diversion and a diversion and its monting on a diversion and a diversion and its monting on a diversion and a diversion and its monting on a diversion and a diversion and its monting on a diversion and a diversion and its monting on a diversion and its monting on a diversion and its monting on a diversion and a diversion and its monting on a diversion and a diversion and its monting on a diversion and a diversion and its monting on a diversion and a diversion and its monting on a diversion and a diversis and dits monting on a dits diversion and its montit and a diver							
i.i.do i.i.do i.i.do i.i.do i.i.do i.i.do i.i.							
1.103.14 The item also includes delivery and ploting of rabber pad for pick leveling. The rabber pad alla by placed between the service place and pole committee and will serve as a hoffer between metal and concrete services. The pad unreface is genored to reute water numeric Poles on overpasses above the Južan Morava River shall be mechanic on alleval prepared arches on the overpass structure. pcs. 84 1.1.03.14 1.1.03.15 1.1.03.16 1.1.03.16 pcs. 29 1.1.03.16 1.1.03.16 Delivery of 1.5 miles given and nook included. pcs. 9 1.1.03.17 Delivery of support for two laminates and its movaring on public lighting pole. All materials and work included. pcs. 8 1.1.03.17 Delivery of support for two laminates and its movaring outpublic lighting pole. pcs. 8 1.1.03.18 1.1.03.18 Delivery of support for two laminates and its movaring outpublic lighting pole. pcs. 8 1.1.03.18 1.1.03.18 Delivery of support for two laminates and its movaring outpublic lighting pole. pcs. 8 1.1.03.18 Delivery of lamination and vari included control gate (impedance house house book power rating) and ther movaring outpublic lighting there of huminative with adequate Na 150 W bibl and control gate (impedance house house book power rating) and ther movaring outpublic lighting there on huminative with adequate Na 150 W bibl and control gate (impedance house house books power rating) and their movaring outpublic lighting there mover of huminatis with adequate Na 150 W bibl and control gate (impedance							
10 pole kvelm; The rubber pal sall be placed between the anchore place and pole foundation and it will serve a a buffer between metal and concrete surfaces. The pad surface is genored to called water model. Poles on overpasses above the Južna Merzu Kiver shall be anchored on already prepared anchors on the overpass structure. pes. 84 1.1.03.14 1.1.03.15 Delivery of 1.5 min (and obsel surm and its mounting on a public lighting pole. All materials and work included. pes. 84 1.1.03.16 Delivery of 1.5 min (and obsel surm and its mounting onto public lighting pole. All materials and work included. pes. 10 1.1.03.16 Delivery of support for two luminaries and its mounting onto public lighting pole. All materials and work included. pes. 8 1.1.03.18 1.1.03.18 Delivery of support for two luminaries and its mounting onto public lighting pole. All materials and work included. pes. 8 1.1.03.18 1.1.03.18 Delivery of huminaries with adequate Na 250 W bells and control gar (impedance boaks have doalbe power aring) and their mounting onto galvanized stel pole. pes. 38 1.1.03.10 Delivery of huminaries with adequate Na 150 W bells and control gar (impedance boak have doalbe power aring) and their mounting onto galvanized stel pole. pes. 76 1.1.03.20 1.1.03.21 Delivery of huminaries with adequate Na 150 W bells and control gar (impedance boaks have doalbe power aring) and their mounting onto galvanized stel pole. pes. 76 1.1.03.22 1.1.03							
10 pole kvelm; The rubber pal sall be placed between the anchore place and pole foundation and it will serve a a buffer between metal and concrete surfaces. The pad surface is genored to called water model. Poles on overpasses above the Južna Merzu Kiver shall be anchored on already prepared anchors on the overpass structure. pes. 84 1.1.03.14 1.1.03.15 Delivery of 1.5 min (and obsel surm and its mounting on a public lighting pole. All materials and work included. pes. 84 1.1.03.16 Delivery of 1.5 min (and obsel surm and its mounting onto public lighting pole. All materials and work included. pes. 10 1.1.03.16 Delivery of support for two luminaries and its mounting onto public lighting pole. All materials and work included. pes. 8 1.1.03.18 1.1.03.18 Delivery of support for two luminaries and its mounting onto public lighting pole. All materials and work included. pes. 8 1.1.03.18 1.1.03.18 Delivery of huminaries with adequate Na 250 W bells and control gar (impedance boaks have doalbe power aring) and their mounting onto galvanized stel pole. pes. 38 1.1.03.10 Delivery of huminaries with adequate Na 150 W bells and control gar (impedance boak have doalbe power aring) and their mounting onto galvanized stel pole. pes. 76 1.1.03.20 1.1.03.21 Delivery of huminaries with adequate Na 150 W bells and control gar (impedance boaks have doalbe power aring) and their mounting onto galvanized stel pole. pes. 76 1.1.03.22 1.1.03							
the inclor place and place foundation and it will serve as a buffer between metal and concrete surfaces. The paid surface's grooved to enable water rundf: Poles on overgases showe the John Morva River will be anchored on already prepared anchors on the overgas structure. pcs. 84 11.03.14 11.103.15 Define pole. All materials and work included. pcs. 92 11.03.15 11.03.16 Define of 1.5 m long and its meaning on a politic lighting pole. All materials and work included. pcs. 92 11.03.16 11.03.16 Define of 1.5 m long and beck man and its meaning on a politic lighting pole. pcs. 93 11.03.16 11.03.16 Define of structure on buffer lighting pole. pcs. 93 11.03.17 11.03.18 Define of structure on buffer lighting pole. pcs. pcs. 8 11.03.18 Define of furnitaries and vork included. pcs. 8							
Interfer between metal and concerts surfaces. The pad surface is growed to called water multiple Poles on overpasses above the Jažan Morava River shall be anchored on already prepared anchoses on the overpass structure. pcs. 84 1.1.03.14 1.1.03.14 Defivery of 15 m long arm and not included. pcs. 29 1.1.03.15 1.1.03.16 Defivery of 15 m long dram and not included. pcs. 19 1.1.03.15 1.1.03.16 Delivery of upport for two luminates and its mounting on public lighting pole. All materials and work included. pcs. 19 1.1.03.16 Delivery of upport for two luminates and its mounting onto public lighting pole. All materials and work included. pcs. 19 1.1.03.17 1.1.03.17 Delivery of upport for two luminates and its mounting onto public lighting pole. All materials and work included. pcs. 3 1.1.03.18 1.1.03.18 Delivery of upport for two luminates and its mounting onto gater (impedance bonds have doable prover ning) and their mounting onto galvanized stel pole. pcs. 38 1.1.03.19 1.1.03.20 Delivery of luminates with adequate Na 250 W bulb and control gater (impedance bonds have doable prover ning) and their mounting onto galvanized stel pole. pcs. 29 1.1.03.21 1.1.03.21 Delivery of luminates with adequate Na 250 W bulb and control gater (impedance bonds have doable prover ning) and their mounting onto galvanized stel pole. pcs. 16 1.1.03.22 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
surface is growed to enable water numff. Poles on anchored on already prepared anchors on the overpass structure. pcs. 84 11.03.14 11.03.14 Delivery of 1.5 in long arm and its moming on a public highing pole. All materials and work included. pcs. 84 11.03.15 11.03.16 Delivery of 1.5 in long doub serm and its moming on public lighting pole. All materials and work included. pcs. 19 11.03.16 11.03.17 11.03.16 Delivery of support for two luminaries and its mounting one public lighting pole. 1 11.03.17 11.03.18 Delivery of support for two luminaries and its mounting one public lighting pole. 8 11.03.18 11.03.18 Delivery of support for two luminaries and its mounting one public lighting pole. 8 11.03.19 11.03.19 Delivery of support for two luminaries and its mounting one public lighting pole. 8 11.03.19 11.03.19 Delivery of support for two luminaries and its mounting one galvanized steel pole. pcs. 38 11.03.20 11.03.20 Delivery of support for two luminaries and its mounting one galvanized steel pole. pcs. 29 11.03.21 Delivery of funniaries with adequate Na 150 W bulb and control gaar (impedance bonk have double power rating) and their mounting on galvanized steel pole. pcs. 76 11.03.22 11.03.21 Delivery of luminaries with adequate Na 150 W bulb and control gaar (impe							
1.1.03.14 1.1.03.14 1.1.03.14 1.1.03.14 1.1.03.14 1.1.03.14 1.1.03.14 1.1.03.14 1.1.03.14 1.1.03.14 1.1.03.14 1.1.03.14 1.1.03.14 1.1.03.15 1.1.03.16 Delivery of 1.5 m long arm and its mounting on a public lighting pol. A.11 materials and vork included. pcs. 29 1.1.03.16 1.1.03.16 1.1.03.16 Delivery of support for two huminaires and its mounting on a public lighting pol. A.11 materials and vork included. pcs. 19 1.1.03.17 1.1.03.16 Delivery of support for two huminaires and its mounting on polic lighting pol. pcs. 8 1.1.03.17 1.1.03.17 Delivery of support for two huminaires and its mounting on polic lighting pol. pcs. 8 1.1.03.18 1.1.03.18 Delivery of huminaires with adequate Na 250 W bufb and control gatarificat set pole. pcs. 38 1.1.03.19 Delivery of huminaires with adequate Na 250 W bufb and control gatarificat set pole. pcs. 38 1.1.03.20 1.1.03.19 Delivery of huminaires with adequate Na 150 W bufb and control gatarificat set pole. pcs. 29 1.1.03.21 1.1.03.21 Delivery of huminaires with adequate Na 150 W bufb and control gatarificat set pole. pcs. 76 1.1.03.22 1.1.03.21 Delivery of huminaires with adequate Na 150 W bufb and control gatari impedate book have doble power ant							
1.103.14 anchored on already prepared anchors on the overpass All materials and userk included. pcs. 84 1.103.14 believery of 1.5 m in ogram and its mouting on a public lighting pole. All materials and work included. pcs. 20 1.103.15 1.1.03.16 believery of 1.5 m in ogram and its mouting on public lighting pole. All materials and work included. pcs. 10 1.103.16 believery of support for two lourinaires and its mouring onto public lighting pole. pcs. 8 11 1.103.17 believery of support for two lourinaires and its mouring onto public lighting pole. pcs. 8 11 1.103.18 1.1.03.17 believery of support for two lourinaires and its mouring onto public lighting pole. pcs. 8 11 1.103.18 1.1.03.17 believery of numiniers with adequate Na 250 W bulb and control gaar (impedance boads have doubbe power rating) and their mounting onto galvanized stel pole. pcs. 8 11 1.103.19 1.1.03.20 1.1.03.21 believery of miniaries with adequate Na 250 W bulb and control gaar (impedance boads have doubbe power rating) and their mounting onto galvanized stel pole. pcs. 76 1.103.21 1.1.03.22 believery of miniaries with adequate Na 250 W bulb and control gaar (impedance boads have doubbe power rating) and their mounting onto galvanized stel pole. pcs. 16 1.1.03.21 believery of matimises with adequate							
1.103.14 1.1.03.14 1.1.03.14 1.1.03.14 1.1.03.14 1.1.03.14 1.1.03.14 1.1.03.15 1.1.03.15 1.1.03.15 1.1.03.16 Delivery of 1.2 m long double arm and its mounting on a public lighting pole. A mutarita and vork included. pcs. 29 1.1.03.16 1.1.03.16 Delivery of augront for two luminaires and its mounting on a public lighting pole. pcs. 10 1.1.03.17 1.1.03.16 Delivery of augront for two luminaires and its mounting on a public lighting pole. pcs. 8 1.1.03.18 1.1.03.18 Delivery of two politic lighting pole. pcs. 8 1.1.03.17 1.1.03.18 Delivery of mininies with adequate Na 250 W bufb and control gast (impedance bonks have double power rating) on public lighting pole. pcs. 8 1.1.03.18 1.1.03.18 Delivery of muniniaries with adequate Na 250 W bufb and control gast (impedance bonks have double power rating) on the immediate and work included. pcs. 8 1.1.03.19 Delivery of muniniaries with adequate Na 150 W bufb and control gast (impedance bonks have double power rating) on the immediate and work included. pcs. 29 1.1.03.20 1.1.03.20 Delivery of muniniaries with adequate Na 150 W bufb and control gast (impedance bonks have double power rating) on the immediate and work included. pcs. 76 1.1.03.21 1.1.03.22 Delivery of autom difficure bonk have double powe			-				
1.103.14 Att materials and work included. pcs. 84 1.103.15 1.103.16 Helvery of 1.5 m long arm and its mounting on a public highing pole. All materials and work included. pcs. 10 1.103.16 1.103.16 Delivery of 3.5 m long double arm and its mounting on a public highing pole. All materials and work included. pcs. 10 1.103.17 Delivery of support for two luminaires and its mounting on opublic highing pole. pcs. 10 1.103.18 1.103.17 Delivery of support for two luminaires and its mounting on opublic highing pole. pcs. 8 1.103.18 1.103.17 Delivery of support for two luminaires and its mounting on a public highing pole. pcs. 8 1.103.18 1.103.17 Delivery of luminaires with adequate Na 250 W bulb and contog gear (impedance bonds have double power raing) and their mounting onto galvarined set pole. pcs. 38 1.103.20 1.103.21 Delivery of luminaires with adequate Na 250 W bulb and contog gear (impedance bonds have double power raing) and their mounting onto galvarined set pole. pcs. 76 1.103.21 1.103.21 Delivery of numinaires with adequate Na 250 W bulb and control gear (impedance bonds have double power raing) and their mounting onto galvarized set pole. pcs. 76 1.103.22 1.103.21 Delivery of multion distribution eabirts for public lighting RO-O-O imade of polyster and equipped with door and loca and loc							
1.10.3.14 1.10.3.14 Delivery of 1.5 m long arm and its mounting on a public pers. 29 1.10.3.15 1.10.3.15 Delivery of 1.5 m long double arm and its mounting on a public lighting pole. All materials and work included. pers. 19 1.10.3.16 1.10.3.16 Delivery of support for two luminaites and its mounting on a public lighting pole. All materials and work included. pers. 8 1.10.3.17 11.0.3.17 Delivery of support for two luminaites and its mounting on a public lighting pole. pers. 8 1.10.3.18 11.0.3.18 Delivery of support for two luminaites and its mounting on a public lighting pole. pers. 8 1.10.3.18 11.0.3.18 Delivery of luminaites with adequate Na 250 W bibl and cornel gar (impedance bonds have double power rating) and their mounting on galvanized stel pole. pers. 20 1.10.3.19 11.0.3.20 Delivery of luminaites with adequate Na 150 W bibl and cornel gar (impedance bonds have double power rating) and their mounting on ogalvanized stel pole. pers. 20 1.10.3.20 11.0.3.20 Delivery of luminaites with adequate Na 250 W bibl and cornel gar (impedance bonds have double power rating) and their mounting on ogalvanized stel pole. pers. 76 1.10.3.21 Delivery of outpoor distribution abines double power rating) and their mounting on ogalvanized stel pole.				DCS.	84		
1.1.03.15 11.03.16 believery of 1.5 m long double arm and its mounting on polic lighting pole. All materials and work included. pcs. 19 1.1.03.16 11.03.16 Delivery of support for two lominaires and its mounting on to polic lighting pole. All materials and work included. pcs. 8 1.1.03.17 11.03.17 11.03.18 Delivery of support for two lominaires and its mounting on to polic lighting pole. pcs. 8 1.1.03.17 11.03.18 Delivery of molecular distribution of two lominaires and the mounting on to galvarized atel pole. pcs. 8 1.1.03.18 11.03.18 Delivery of molecular distribution of two lominaires and the mounting on the mounting on to galvarized atel pole. pcs. 8 1.1.03.19 11.03.19 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power raing) and their mounting onto galvarized atel pole. pcs. 29 1.1.03.20 11.03.20 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power raing) and their mounting onto galvarized atel pole. pcs. 76 1.1.03.21 11.03.22 Delivery of unminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power raing) and their mounting onto galvarized atel pole. pcs. 16 1.1.03.21 Delivery of unminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power raing) and their mounting onto galvarized	1.1.03.14	1 1 03 14	Delivery of 1.5 m long arm and its mounting on a public	pesi	0.		
1.103.15 1.1.03.15 Delivery of 15 m long double arm and its mounting on a public lighting pole. All materials and work included. pcs. 19 1.1.03.16 1.1.03.16 1.1.03.17 Delivery of support for two luminaines and its mounting on a top public lighting pole. All materials and work included. pcs. 8 1.1.03.17 1.1.03.17 Delivery of support for two luminaines and its mounting on a top public lighting pole. All materials and work included. pcs. 8 1.1.03.18 1.1.03.18 Delivery of luminaires with adequate Na 250 W bulb and control gear (impediate bonds have double power rating) and their mounting onto galvainized stel pole. pcs. 38 1.1.03.19 1.1.03.20 Delivery of luminaires with adequate Na 250 W bulb and control gear (impediate bonds have double power rating) and their mounting onto galvainized stel pole. pcs. 29 1.1.03.20 1.1.03.20 Delivery of luminaires with adequate Na 150 W bulb and control gear (impediate bonds have double power rating) and their mounting onto galvainized stel pole. pcs. 76 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 250 W bulb and control gear (impediate bonds have double power rating) and their mounting onto galvainized stel pole. pcs. 76 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 250 W bulb and control gear (impediate bonds hawe double power rati	1.1.05.11	1.1.05.11		pcs.	29		
poble lighting pole. All materials and work included.pes.991.1.03.16Delivery of support for two luminaires and its mounting outo public lighting pole.pes.81.1.03.171.1.03.18Delivery of support for two luminaires and its mounting outo public lighting pole.pes.81.1.03.181.1.03.18Delivery of multication of two luminaires and the mounting one galvanized step lose.pes.81.1.03.181.1.03.18Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power raing) and their mounting one galvanized step lose.pes.381.1.03.19Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power raing) and their mounting one galvanized step lose.pes.381.1.03.201.1.03.20Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power raing) and their mounting one galvanized step lose.pes.761.1.03.211.1.03.21Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power raing) and their mounting one galvanized step lose.pes.161.1.03.221.1.03.22Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power raing) and their mounting one galvanized step lose.pes.161.1.03.23Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power raing) and their mounting one galvanized step lose.pes.161.1.03.241.1.03.25Delivery of lumin	1.1.03.15	1.1.03.15		pesi			
1.1.03.16 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 Delivery of support for two luminaires and its mounting on to public lighting pole. pcs. 8 1.1.03.19 1.1.03.18 1.1.03.18 Delivery of support for two luminaires with adequate Na 250 W bulb and courd gear (impediace bonds have raing) pes. 38 1.1.03.19 1.1.03.19 1.1.03.20 1.1.03.20 Delivery of luminaires with adequate Na 150 W bulb and courd gear (impediace bonds have raing) pes. 76 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and courd gear (impediace bonds have raing) pes. 76 1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 150 W bulb and courd gear (impediace bonds have raing) pes. 16 1.1.03.23 16.5.3. Delivery of uninaires with adequate Na 250 W bulb and courd gear (impediace bonds have cating) pes. 16 1.1.03.23 16.5.3. Delivery of uninaires with adequate Na 250 W bulb and courd gear (impediace bonds have cating) pes. 16 1.1.03.23 16.5.3. Delivery of outdoor distribution cabinet for public lighting RO-JO-							
1.103.16 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 Delivery of support for two luminaires and its mounting onto public lighting pole. pcs. 8 9 1.1.03.18 1.1.03.18 1.1.03.18 Delivery of support for two luminaires and its mounting onto galvanized steel pole. pcs. 8 9 1.1.03.19 1.1.03.19 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 29 29 1.1.03.20 1.1.03.21 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 76 1.1.03.21 1.1.03.22 1.1.03.22 Delivery of unmiaries with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.23 16.5.3 Delivery of outpudices with adequate Na 250				pcs.	19		
Into and public lighting pole.pst.81.1.03.171.1.03.171.1.03.17Delivery of support for two luminaires and its mounting non public lighting pole.pst.81.1.03.181.1.03.18Delivery of huminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole.pst.381.1.03.191.1.03.19Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole.pst.381.1.03.201.1.03.20Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole.pst.161.1.03.211.1.03.21Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole.pst.161.1.03.211.1.03.22Delivery of outdoor distribution existed pole.pst.161.1.03.2316.5.3.Delivery of outdoor distribution existed pole.pst.161.1.03.2316.5.3.Delivery of outdoor distribution existed pole.pst.161.1.03.231.1.03.40Pst.16161.1.03.241.1.03.40Delivery of outdoor distribution existed pole.161.1.03.251.6.5.3.Delivery of outdoor distribution existed pole.161.1.03.241.6.5.3.Delivery of outdoor distribution existed pole.161.1.03.251.6.5.3. </td <td>1.1.03.16</td> <td>1.1.03.16</td> <td>Delivery of support for two luminaires and its mounting</td> <td></td> <td></td> <td></td> <td></td>	1.1.03.16	1.1.03.16	Delivery of support for two luminaires and its mounting				
1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.17 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 1.1.03.18 Delivery of suminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power raing) and their mounting ono galvariaed steel pole. pcs. 38 1.1.03.19 1.1.03.19 1.1.03.19 Delivery of numinaires with adequate Na 250 W bulb and control gear (impedance bonds have double power raing) and their mounting onto galvariaed steel pole. pcs. 38 1.1.03.20 1.1.03.20 1.1.03.20 Delivery of numinaires with adequate Na 150 W bulb and control gear (impedance bonds have double power raing) and their mounting onto galvarized steel pole. pcs. 76 1.1.03.21 1.1.03.21 1.1.03.21 1.1.03.21 Delivery of numinaires with adequate Na 150 W bulb and control gear (impedance bonds have double power raing) and their mounting onto galvarized steel pole. pcs. 16 1.1.03.21 1.1.03.21 1.1.03.21 1.1.03.21 1.1.03.21 Delivery of numinaires with adequate Na 250 W bulb and control gear (impedance bonds have double power raing) and their mounting onto galvarized steel pole. pcs. 16 1.1.03.23 16.5.3 Delivery of outdoor distribution cabinet for public lighting RO-JO-1 made of polyseir and equiped with door and becard is mounting on coarcer base to feight O.2. 16 1.1.03.23 16.5.3 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
1.103.17 1.103.17 Delivery of support for two luminaires and its mounting one public lighting pole. pcs. 8 1.103.18 1.103.18 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting one galvanized stel pole. pcs. 38 1.103.19 1.103.19 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting one galvanized stel pole. pcs. 38 1.103.20 1.103.20 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting one galvanized stel pole. pcs. 76 1.103.21 1.103.22 1.103.22 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting one galvanized stel pole. pcs. 76 1.103.21 1.103.22 1.103.22 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting on coglevalued stel pole. pcs. 16 1.1.03.23 16.5.3 Delivery of outdoor distribution cabinet for public lighting NR_O-O10-1 made of polysets and equipped with door and lock and its mounting on contract beas at height of 0.2 m adove ground level. The time includes delivery and casting of concrete base at height of 0.2 m adove ground level. The titem includes delivery and casting of concret			All materials and work included.	pcs.	8		
1.1.03.18 1.1.03.18 1.1.03.18 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized stel pole. pcs. 38 1.1.03.19 1.1.03.19 1.1.03.10 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized stel pole. pcs. 38 1.1.03.20 1.1.03.20 1.1.03.20 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized stel pole. pcs. 29 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized stel pole. pcs. 76 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized stel pole. pcs. 16 1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized stel pole. pcs. 16 1.1.03.23 16.5.3. RO-10-T made of oplyset and dequiped with door and lock and lies mounting on concrete base a height of 0.2 m dowe ground level. The time includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet of the following equipment: 1 single-pole. Kinee-position change over switch,	1.1.03.17	1.1.03.17					
1.1.03.18 1.1.03.18 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating and their mounting onto galvanized stel pole. pes. 38 1.1.03.19 1.1.03.19 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating and their mounting onto galvanized stel pole. pes. 29 1.1.03.20 1.1.03.20 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating and their mounting onto galvanized stel pole. pes. 29 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating and their mounting onto galvanized stel pole. pes. 76 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating and their mounting onto galvanized stel pole. pes. 16 1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating and their mounting onto galvanized stel pole. pes. 16 1.1.03.23 16.5.3. RO-10- Take of oplysets rating dupped with door and lock and its mounting on concrete base a height of 0.2 m above ground level. The item includes delivery and casting of concrete base for distribution cabinet for public lighting and beer moulewel. The item includes delivery anacasting of concrete			onto public lighting pole.				
1.1.03.19 1.1.03.19 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 38 1.1.03.19 1.1.03.20 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 29 1.1.03.20 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 76 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.23 16.5.3 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.23 16.5.3 Delivery of numinaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.23 16.5.3 Delivery of nu			All materials and work included.	pcs.	8		
1.103.19 1.1.03.19 1.1.03.19 indificit mounting onto galvanized steel pole. pcs. 38 1.1.03.10 Delivery of luminaires with adequate Na 250 W bulb and cornord gar (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 29 1.1.03.20 1.1.03.20 Delivery of luminaires with adequate Na 150 W bulb and cornord gar (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 76 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and cornord gar (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 76 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and cornord gar (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 250 W bulb and cornord gar (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.23 I6.5.3. Delivery of outdoor distribution cabinet for public lighting RO-JO-1 made of polysetr and equipped with door and bock and its mounting on concrete base the ight 0.2 m above ground level. The item includes delivery and casting of concrete base to distribution cabinet or public lighting RO-JO-1 made of odysetr and equipped with door and bine consists of three compatituents for installation of the following equipment: 1 1.1.05.23 16.5.3.	1.1.03.18	1.1.03.18	Delivery of luminaires with adequate Na 250 W hulb and				
1.103.19 1.1.03.19 and their mounting onto galvanized steel pole. pcs. 38 1.1.03.20 1.1.03.20 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 29 1.1.03.20 1.1.03.20 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 76 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.22 1.1.03.22 1.1.03.23 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.23 16.5.3 Delivery of outdoor distribution cabinet. for stifts in general pole. pcs. 16 1.1.03.24 16.5.3 Delivery of outdoor distribution cabinet. for distribution of the following course store for distribution cabinet. fore distribution cabinet. for distribution cabinet. fore d							
1.1.03.19 1.1.03.19 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 29 1.1.03.20 1.1.03.20 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 29 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 76 1.1.03.21 1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.22 1.1.03.22 1.1.03.23 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.23 16.5.3. Delivery of outdoor distribution cabinet for public lighting RO-JO-I made of polyester and equipped with door and lock and its mounting onto galvanized steel pole. pcs. 16 1.1.03.23 16.5.3. Delivery of three-polyestion change over switchs, 16 A 2 asingle-pol, three-polyestion change over switchs, 16 A 1. 1. single-pol, three-po							
1.1.03.20 1.1.03.20 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting out galvanized steel pole. pcs. 29 1.1.03.20 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting out galvanized steel pole. pcs. 76 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting out galvanized steel pole. pcs. 16 1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting ont galvanized steel pole. pcs. 16 1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting ont galvanized steel pole. pcs. 16 1.1.03.23 16.5.3 Delivery of utery of			and their mounting onto garvanized steer pole.	pcs.	38		
1.1.03.20 1.1.03.21 control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 29 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 76 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.22 16.5.3 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.23 16.5.3 Delivery of outdoor distribution cabinet for public lighting RO-JO-I made of polyseter and equipped with door and lock and its mounting on concrete base at height of 0.2 m above ground level. The item includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet consists of three compartments for installation of the following equipment: - 1 single-pole two-position change over switch, 16 A - 2 single-pole, three-position change over switchs, 16 A - 1 ripple control contactor - alternatively FOREL Image: Single singround level. The item includes dist	1.1.03.19	1.1.03.19	Delivery of luminaires with adequate Na 250 W bulb and				
1.1.03.20 1.1.03.20 and their mounting onto galvanized steel pole. pcs. 29 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 76 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 76 1.1.03.22 1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.22 1.1.03.22 Delivery of uninaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting on concrete base of have double power rating) and their mounting on concrete base at height of 0.2 m above ground level. The item includes delivery and casting of concrete base for distribution cabinet for public lighting RO-JO-I made of polyster and equipped with door and lock and its mounting on concrete base at height of 0.2 m above ground level. The item includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet. 1 1 single-pole two-position change over switchs, 16 A - 1 contactor, 500 V, 63 A 1 1 1 bulb, 60 W, 220 V 3 3 1 1 bulb, 60 W, 220 V 3 3 3 1 bulb, 60 W, 220 V <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
1.1.03.20 1.1.03.20 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 76 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 76 1.1.03.21 1.1.03.22 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.23 16.5.3. Delivery of outdoor distribution cabinet for public lighting RO-JO-1 made of polyester and equipped with door and lock and its mounting on concrete base at height of 0.2 m above ground level. The tim includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet consists of three conpartments for installation of the following equipment: 1 single-pole two-position change over switches, 16 A 2 single-pole, three-poles galva staffs, NV-0 125/3x25 A 1 direct electricial and installation materials for connecting the bus bus to guard and neutral rails, etc. The item includes deliver galva and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into ope					20		
1.1.03.21 1.1.03.21 1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 76 1.1.03.22 1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.22 1.1.03.23 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.23 16.5.3. Delivery of outdoor distribution cabinet for public lighting RO-JO-1 made of polyester and equipped with door and lock and its mounting on concrete base theight of 0.2 m above ground level. The item includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet consists of three compartments for installation of the following equipment: 1 single-pole three-position change over switchs, 16 A 2 single-pole three-position change over switchs, 16 A 1 rippe control contactor - alternatively FOREL 1 bulb, 60 W, 220 V 3 natomatic fuses, 10 A - automatic fuses, 10 A - automatic fuses, 10 A - automatic fuses, 10 A - small electrical and installation materials for connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and wo	1 1 02 20	1 1 02 20		pcs.	29		
1.1.03.21 1.1.03.21 and their mounting onto galvanized steel pole. pcs. 76 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.22 1.1.03.23 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.23 16.5.3 Delivery of outdoor distribution cabinet for public lighting RO-JO-1 made of polyester and equipped with door and lock and its mounting on concrete base theight of 0.2 m above ground level. The item includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet for sublic lighting RO-JO-1 made of polyester and equipped with door and lock and its mounting on concrete base for distribution cabinet. The distribution cabinet for sublic lighting of concrete base for distribution cabinet. The distribution cabinet for sublic lighting above ground level. The item includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet for sublic lighting above ground level. The item includes installation of the following equipment: 1 single-pole two-position change over switches, 16 A 2 single-pole two-position change over switches, 16 A 1 ripple control contactor - alternatively FOREL 1 bulb, 60 W, 220 V 3 rautomatic fuses, 10 A 3 sutomatic fuses, 10 A 3 sutomatic fuses, 10 A 3 sutomatic fuses, 10 A <li< td=""><td>1.1.03.20</td><td>1.1.03.20</td><td>Delivery of luminaires with adequate Na 150 W bulb and</td><td></td><td></td><td></td><td></td></li<>	1.1.03.20	1.1.03.20	Delivery of luminaires with adequate Na 150 W bulb and				
1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bub and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.22 1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 250 W bub and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.23 16.5.3. Delivery of outdoor distribution cabinet for public lighting RO-JO-1 made of polyester and equipped with door and lock and its mounting on concrete base at height of 0.2 m above ground level. The item include satisfies delivery and casting of concrete base for distribution cabinet. The distribution cabinet for subile lighting above ground level. The item include satisfies delivery and casting of concrete base for distribution cabinet. The distribution cabinet for subile industry of the following equipment: 1 single-pole two-position change over switch, 16 A 2 single-pole, three-position change over switch, 16 A 1 ripple control contactor - alternatively FOREL 1 bubb, 60 W, 220 V 3 fuses, NV-0 250/50 A 4 three-pole safety staffs, NV-0 125/3x25 A 1 direct electricity meter - metering group 10-60 A 3 small electrical and installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 			control gear (impedance bonds have double power rating)				
1.1.03.21 1.1.03.21 Delivery of luminaires with adequate Na 150 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.23 16.5.3. Delivery of outdoor distribution cabinet for public lighting RO-JO-1 made of polyester and equipped with door and lock and its mounting on concrete base at height of 0.2 m above ground level. The item includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet consists of three compartments for installation of the following equipment: 1 single-pole two-position change over switch, 16 A 2 single-pole two-position change over switch, 16 A 1 ripple control contactor - alternatively FOREL 4 three-pole safety staffs, NV-0 125/3x25 A 1 direct electricity meter - metering group 10-60 A 3 small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 				n 06	76		
1.1.03.22 1.1.03.22 1.1.03.22 1.1.03.22 1.1.03.23 16.5.3. Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.23 16.5.3. Delivery of autoor distribution cabinet for public lighting RO-JO-1 made of polyester and equipped with door and lock and its mounting on concrete base at height of 0.2 m above ground level. The item includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet consists of three compartments for installation of the following equipment: 1 single-pole two-position change over switch, 16 A 2 single-pole, three-position change over switchs, 16 A 1 ripple control contactor - alternatively FOREL 1 bulb, 60 W, 220 V 3 fuses, NV-0 250/50 A 1 direct electricity meter - metering group 10-60 A 3 small electrical and installation materials for connecting the bus burs to guard and neural rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 	1 1 03 21	1 1 03 21		pes.	70		
1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.23 16.5.3. Delivery of outdoor distribution cabinet for public lighting of concrete base of polyester and equipped with door and lock and its mounting on concrete base at height of 0.2 m above ground level. The item includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet consists of three compartments for installation of the following equipment: 1 1 1 single-pole two-position change over switchs, 16 A 2 single-pole, three-position change over switchs, 16 A 1 contactor, 500 V, 63 A 1 1 ingle-pole two-position change over switchs, 16 A 1 ingle-pole two-position change over switchs, 16 A 1 single-pole two-position change over switchs, 16 A 1 ingle-pole t	1.1.05.21	1.1.05.21					
1.1.03.22 1.103.22 1.1.03.23 1.1.03.23 16.5.3. Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole. pcs. 16 1.1.03.23 16.5.3. Delivery of outdoor distribution cabinet for public lighting RO-JO-1 made of polyester and equipped with door and lock and its mounting on concrete base at height of 0.2 m above ground level. The item includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet consists of three compartments for installation of the following equipment: 1 single-pole two-position change over switch, 16 A 2 single-pole, three-position change over switchs, 16 A 1 contactor, 500 V, 63 A 1 ripple control contactor - alternatively FOREL i subus, 60 W, 220 V 3 tuses, NV-0 250/50 A 4 three-pole safety staffs, NV-0 125/3x25 A i direct electricity meter - metering group 10-60 A 3 automatic fuses, 10 A - small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 							
1.1.03.22 1.1.03.22 Delivery of luminaires with adequate Na 250 W bulb and control gear (impedance bonds have double power rating) and their mounting onto galvanized steel pole.			and their mounting onto galvanized steel pole.	ncs	16		
1.1.03.23 16.5.3. Delivery of nutdoor distribution cabinet for public lighting RO-JO-1 made of polyester and equipped with door and lock and its mounting on concrete base at height of 0.2 m above ground level. The item includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet consists of three compartments for installation of the following equipment: - 1 single-pole two-position change over switch, 16 A - 2 single-pole, three-position change over switchs, 16 A - 1 contactor, 500 V, 63 A - 1 ripple control contactor - alternatively FOREL - - - - - - - - - - - - - - - - - - - 1 bulb, 60 W, 220 V - 3 fuses, NV-0 250/50 A - 4 three-pole safety staffs, NV-0 125/3x25 A - 1 direct electricity meter - metering group 10-60 A - 3 automatic fuses, 10 A - small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included.	1 1 03 22	1 1 03 22		pes.	10		
1.1.03.23 16.5.3. Delivery of outdoor distribution cabinet for public lighting RO-JO-1 made of polyester and equipped with door and lock and its mounting on concrete base at height of 0.2 m above ground level. The item includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet consists of three compartments for installation of the following equipment: 1 single-pole two-position change over switch, 16 A 2 single-pole, three-position change over switchs, 16 A 1 contactor, 500 V, 63 A 1 ripple control contactor - alternatively FOREL 1 bulb, 60 W, 220 V 3 fuses, NV-0 250/50 A 4 three-pole safety staffs, NV-0 125/3x25 A 1 direct electricity meter - metering group 10-60 A 3 automatic fuses, 10 A small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 	1.1.05.22	1.1.05.22					
1.1.03.23 16.5.3. Delivery of outdoor distribution cabinet for public lighting RO-JO-1 made of polyester and equipped with door and lock and its mounting on concrete base at height of 0.2 m above ground level. The item includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet consists of three compartments for installation of the following equipment: - 1 single-pole, three-position change over switch, 16 A - 2 single-pole, three-position change over switchs, 16 A - 1 contactor, 500 V, 63 A - 1 ripple control contactor - alternatively FOREL - 1 bulb, 60 W, 220 V - 3 fuses, NV-0 250/50 A - 4 three-pole safety staffs, NV-0 125/3x25 A - 1 direct electricity meter - metering group 10-60 A - 3 automatic fuses, 10 A - small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation ad connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included.							
1.1.03.23 16.5.3. Delivery of outdoor distribution cabinet for public lighting RO-JO-1 made of polyester and equipped with door and lock and its mounting on concrete base at height of 0.2 m above ground level. The item includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet consists of three compartments for installation of the following equipment: 1 single-pole two-position change over switch, 16 A 2 single-pole, three-position change over switchs, 16 A 1 contactor, 500 V, 63 A 1 ripple control contactor - alternatively FOREL 1 bulb, 60 W, 220 V 3 fuses, NV-0 250/50 A 4 three-pole safety staffs, NV-0 125/3x25 A 1 direct electricity meter - metering group 10-60 A 3 automatic fuses, 10 A small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes sinstallation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included.			and their mounting onto galvanized steel pole.	pcs.	16		
 RO-JO-1 made of polyester and equipped with door and lock and its mounting on concrete base at height of 0.2 m above ground level. The item includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet consists of three compartments for installation of the following equipment: 1 single-pole two-position change over switch, 16 A 2 single-pole, three-position change over switches, 16 A 1 contactor, 500 V, 63 A 1 ripple control contactor - alternatively FOREL 1 bulb, 60 W, 220 V 3 fuses, NV-0 250/50 A 4 three-pole safety staffs, NV-0 125/3x25 A 1 direct electricity meter - metering group 10-60 A 3 automatic fuses, 10 A small electrical and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 	1.1.03.23	16.5.3.	Delivery of outdoor distribution cabinet for public lighting				
 lock and its mounting on concrete base at height of 0.2 m above ground level. The item includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet consists of three compartments for installation of the following equipment: 1 single-pole two-position change over switch, 16 A 2 single-pole, three-position change over switches, 16 A 1 contactor, 500 V, 63 A 1 ripple control contactor - alternatively FOREL 1 bulb, 60 W, 220 V 3 fuses, NV-0 250/50 A 4 three-pole safety staffs, NV-0 125/3x25 A 1 direct electricity meter - metering group 10-60 A 3 automatic fuses, 10 A small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 							
above ground level. The item includes delivery and casting of concrete base for distribution cabinet. The distribution cabinet consists of three compartments for installation of the following equipment: - 1 single-pole two-position change over switch, 16 A - 2 single-pole, three-position change over switches, 16 A - 1 contactor, 500 V, 63 A - 1 contactor, 500 V, 63 A - 1 ripple control contactor - alternatively FOREL - 1 bulb, 60 W, 220 V - 3 fuses, NV-0 250/50 A - 4 three-pole safety staffs, NV-0 125/3x25 A - 1 direct electricity meter - metering group 10-60 A - 3 automatic fuses, 10 A - small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included.			lock and its mounting on concrete base at height of 0.2 m				
of concrete base for distribution cabinet. The distribution cabinet consists of three compartments for installation of the following equipment: - 1 single-pole two-position change over switch, 16 A - 2 single-pole, three-position change over switches, 16 A - 1 contactor, 500 V, 63 A - 1 ripple control contactor - alternatively FOREL - 1 bulb, 60 W, 220 V - 3 fuses, NV-0 250/50 A - 4 three-pole safety staffs, NV-0 125/3x25 A - 1 direct electricity meter - metering group 10-60 A - 3 automatic fuses, 10 A - small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included.			Ū Ū				
cabinet consists of three compartments for installation of the following equipment: - 1 single-pole two-position change over switch, 16 A - 2 single-pole, three-position change over switchs, 16 A - 1 contactor, 500 V, 63 A - 1 ripple control contactor - alternatively FOREL - 1 bulb, 60 W, 220 V - 3 fuses, NV-0 250/50 A - 4 three-pole safety staffs, NV-0 125/3x25 A - 1 direct electricity meter - metering group 10-60 A - 3 automatic fuses, 10 A - small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included.			• • •				
 1 single-pole two-position change over switch, 16 A 2 single-pole, three-position change over switches, 16 A 1 contactor, 500 V, 63 A 1 ripple control contactor - alternatively FOREL - 1 bulb, 60 W, 220 V - 3 fuses, NV-0 250/50 A - 4 three-pole safety staffs, NV-0 125/3x25 A - 1 direct electricity meter - metering group 10-60 A - 3 automatic fuses, 10 A - small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 							
 1 single-pole two-position change over switch, 16 A 2 single-pole, three-position change over switches, 16 A 1 contactor, 500 V, 63 A 1 ripple control contactor - alternatively FOREL - 1 bulb, 60 W, 220 V - 3 fuses, NV-0 250/50 A - 4 three-pole safety staffs, NV-0 125/3x25 A - 1 direct electricity meter - metering group 10-60 A - 3 automatic fuses, 10 A - small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 			-				
 2 single-pole, three-position change over switches, 16 A 1 contactor, 500 V, 63 A 1 ripple control contactor - alternatively FOREL - 1 bulb, 60 W, 220 V - 3 fuses, NV-0 250/50 A - 4 three-pole safety staffs, NV-0 125/3x25 A - 1 direct electricity meter - metering group 10-60 A - 3 automatic fuses, 10 A - small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 			- 1 single-pole two-position change over switch, 16 A				
 1 contactor, 500 V, 63 A 1 ripple control contactor - alternatively FOREL 1 bulb, 60 W, 220 V 3 fuses, NV-0 250/50 A 4 three-pole safety staffs, NV-0 125/3x25 A 1 direct electricity meter - metering group 10-60 A 3 automatic fuses, 10 A small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 							
 1 bulb, 60 W, 220 V 3 fuses, NV-0 250/50 A 4 three-pole safety staffs, NV-0 125/3x25 A 1 direct electricity meter - metering group 10-60 A 3 automatic fuses, 10 A small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 							
 1 bulb, 60 W, 220 V 3 fuses, NV-0 250/50 A 4 three-pole safety staffs, NV-0 125/3x25 A 1 direct electricity meter - metering group 10-60 A 3 automatic fuses, 10 A small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 			- 1 ripple control contactor - alternatively FOREL				
 - 3 fuses, NV-0 250/50 A - 4 three-pole safety staffs, NV-0 125/3x25 A - 1 direct electricity meter - metering group 10-60 A - 3 automatic fuses, 10 A - small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 			*				
 - 3 fuses, NV-0 250/50 A - 4 three-pole safety staffs, NV-0 125/3x25 A - 1 direct electricity meter - metering group 10-60 A - 3 automatic fuses, 10 A - small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 							
 - 3 fuses, NV-0 250/50 A - 4 three-pole safety staffs, NV-0 125/3x25 A - 1 direct electricity meter - metering group 10-60 A - 3 automatic fuses, 10 A - small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 							
 - 3 fuses, NV-0 250/50 A - 4 three-pole safety staffs, NV-0 125/3x25 A - 1 direct electricity meter - metering group 10-60 A - 3 automatic fuses, 10 A - small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 			1 bulk 60 W 220 V				
 4 three-pole safety staffs, NV-0 125/3x25 A 1 direct electricity meter - metering group 10-60 A 3 automatic fuses, 10 A small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 							
 1 direct electricity meter - metering group 10-60 A 3 automatic fuses, 10 A small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 							
 - 3 automatic fuses, 10 A - small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included. 			1				
- small electrical and installation materials for connecting the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included.							
the bus burs to guard and neutral rails, etc. The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included.							
The item includes installation and connection of all equipment in distribution cabinet, functional testing and putting into operation. All materials and work included.			-				
equipment in distribution cabinet, functional testing and putting into operation. All materials and work included.			÷				
putting into operation. All materials and work included.							
assumption 2			putting into operation. All materials and work included.				
complete 1 2				complete	2		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
1.1.03.24	16.5.5.2	Placing of potential barrier around the standalone	0	2 million		2.0002
		distribution cabinet. The barrier shall be made of				
		galvanized strip FeZn 25x4 mm buried into a trench				
		around the distribution cabinet foundation and connected to common earth electrode for outdoor lighting system.				
		Civil works included.	_	_		
1.1.03.25	16.5.5.2		complete	2		
1.1.05.25	10.5.5.2	Delivery, laying into excavated trench or cable conduit and				
		connection of 1 kV, PP00-A, $4x35 \text{ mm}^2 + 2.5 \text{ mm}^2$ feeder cables for outdoor lighting system from ROJO-1 and				
		ROJO-2 (distribution cabinets for public lighting system)				
		to lighting poles according to in/out principle. The item				
		also includes procurement and placing of PVC warning				
		tape at depth of 0.5 m from the cable. Procurement and fitting of lead clamps with impressed cable characteristics:				
		type, voltage, section and year of cable laying. Marks shall				
		be placed at both ends of hard plastic ('juvidur') pipes and				
		in cable trench at every 5 m of cable length. All materials and work included.				
1.1.03.26	16.1.2.2.		m'	5248		
1.1.05.20	16.1.2.3.	Delivery, laying into excavated trench or cable conduit and				
		connecting PP00-A 4x70 mm ² cable from low-voltage				
		switchgear in pole-mounted transformer station 10/0.4 to distribution cabinet for outdoor lighting ROJO-1 and				
		ROJO-2. The item includes procurement and laying of 2				
		PVC warning tapes - first tape at depth of 0.3 m from the				
		cable and the other tape at 0.5 m from the cable. Procurement and fitting of lead clamps with impressed				
		cable characteristics: type, voltage, section and year of				
		cable laying. Marks shall be placed at both ends of hard				
		plastic ('juvidur') pipes and in cable trench at every 5 m of				
		cable length. All materials and work included.	m'	775		
1.1.03.27	1.1.03.27	Procurement, delivery and placing of FeZn 25x4 mm				
		galvanized strip for safety earthing in the same trench in parallel with the cable.				
		All metal poles for outdoor lighting and distribution				
		cabinets ROJO-1 and ROJO-2 shall be connected to the		5095		
1.1.03.28	1.1.03.28	strin.	m'	5085		
		Procurement, delivery and fitting of SRPS N.B4 936 cross member into its housing (K-U-K) which will be than				
		grouted with bitumen. Housing shall be placed next to				
		each pole at point of earthing strip detaching and joining.				
			pcs.	160		
		TOTAL ELECTRIC	AL AND IN	STALLATI	ON WORKS:	
1.1.03.29	16.5.5.7	SUNDRIES	1			
1.1.03.29	10.3.3.7	Geodetic survey of cable lines and entering of				
		underground installations into the cadastral plan. Control of performed works, carrying out all required tests and				
		issuing relevant certificates and putting into operation.		lump sum	1	
			1		L SUNDRIES:	
		PUBLIC LIGHTING SYSTEM A	T "PREDE	JANE INTE	RCHANGE'':	
1.1.02.00		1kV FEEDER CABLE FOR POWER SUPPLY TO TO				
		CIVIL WORKS				
1.1.02.01	16.1.2.2.	Excavation of 80 cm deep and 40 cm wide trench for laying of 1 kV cable. Filling of trench with fine-grained				
		earth (sand) in 20 cm thick layer. Trench backfilling				
1 4 00 00	1 4 66 65	including earth compaction and leveling.	m'	10		
1.1.02.02	1.1.02.02	For developed land: delivery and placing of markers for cable route, cable conduits and crossing points with				
		underground installations.				
				_		
1.1.02.03	16.1.2.3.	Delivery and laying of hard plastic ('juvidur') pipes, F	pc.	3		
1.1.02.05	10.1.2.3.	4x110 mm	m'	8		
				TOTAL CI	VIL WORKS:	
μ						

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
1 1 02 04	16122	ELECTRICAL AND INSTALLATION WORKS				
1.1.02.04	16.1.2.2. 16.1.2.3.	Delivery, laying into excavated trench or cable conduit and connecting of 1 kV, PP00-A 4x70 mm2 cable. The item also includes procurement and placing of PVC warning tape at depth of 0.5 m from the cable. Procurement and fitting of lead clamps with impressed cable characteristics: type, voltage, section and year of cable laying. Marks shall be placed at both ends of hard plastic ('juvidur') pipes in cable trench at every 5 m of cable length. All materials and work included. Cable shall be laid from 10/0.4 kV pole-				
		mounted transformer station to cable termination box in the toll station service building.	m'	38		
		TOTAL ELECTRICA			ON WORKS:	
		SUNDRIES				
1.1.02.05	16.1.2.6. 16.1.2.7.	Geodetic survey of cable lines and entering of underground installations into the cadastral plan. Control of performed works, carrying out all required tests and issuing relevant certificates and putting into operation.		lump sum	ı	
				TOTAI	SUNDRIES:	
		TOTAL 1kV FEEDER CABLE FOR POV	VER SUPP	PLY TO TOL	L STATION:	

SUMMARY DESIGN OF LIGHTING SYSTEM AT "PREDEJANE" GRADE-SEPARATED JUNCTION AND POWER SUPPLY TO TOLL STATIONS

1.1.01.00 PUBLIC LIGHTING SYSTEM AT "PREDEJANE" INTERCHANGE

1.1.02.00 1kV FEEDER CABLE FOR POWER SUPPLY TO TOLL STATION

TOTAL DESIGN OF LIGHTING SYSTEM AT "PREDEJANE" GRADE-SEPARATED JUNCTION AND POWER SUPPLY TO TOLL STATIONS

10 kV, Al/Č 3x50/8 mm2 OVERHEAD FEEDER CABLE 10/0.4 kV, 100 kVA MTS AT "PREDEJANE" INTERCHANGE

Item No.	T.S.	EDEJANE" INTERCHANGE Work Description	Unit	Quantity	Unit Price	Total
01.01.00		10 kV, Al/Č 3x50/8 mm2 OVERHEAD FEEDER CABL	E	~ .		
		CIVIL WORKS				
01.01.01	16.2.2.	Construction of reinforced concrete block foundation for				
		the new mast 12/1600. Foundation shall be of prismatic				
		shape with a square base, 0.9 m x 0.9 m, embedding depth				
		2.2 m. The item includes: earth excavation, placing				
		formwork, fixing rebars, construction of fine-grained sand				
		base and sealing with concrete, class MB20. All materials				
		and work included.				
			complete	1		
01.01.02	16.2.2.	Construction of reinforced concrete block foundation for				
		the new mast 12/1000. Foundation shall be of prismatic				
		shape with a square base, 0.8 m x 0.8 m, embedding depth				
		2.2 m. Foundation appearance is shown on the separate				
		drawing. The item includes: earth excavation, placing				
		formwork, fixing rebars, construction of fine-grained sand				
		base and sealing with concrete, class MB20. All materials				
		and work included.		1		
	l		complete	1		
				TOTAL CI	VIL WORKS:	
		ELECTRICAL AND INSTALLATION WORKS	-			
01.01.03	16.2.2.	Delivery and planting of new terminal mast 12/1600 of				
		reinforced concrete.				
		All materials and work included.	pc.	1		
01.01.04	16.2.2.	Delivery and erection of new angle tension tower 12/1000				
		of reinforced concrete.				
		All materials and work included.	pc.	1		
01.01.05	16.2.4.8.	Installation of earth electrode for the mast. The item				
		includes earth excavation, procurement and installation of				
		Ø10 mm earth electrode of galvanized iron. The earth				
		electrode shall have two rings: one ring will be placed at				
		depth of 0.5 m and at distance of 1 m from the mast edge				
		while the other ring will be placed at depth of 0.8-1 m and				
		at distance of minimum 2 m from the mast edge, as shown				
		on the drawing. All materials and work included.	a amm lat-	2		
			complete	2		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.01.06	16.2.4.8.	The following equipment shall be delivered and mounted		Q		- • • • • •
	16.2.4.5.	onto newly designed mast 12/1600 (1') to be planted on				
		the transmission line route:				
		- top concrete cantilever for horizontal arrangement of				
		conductors, which shall support single tension string				
		insulators, 6 pcs.				
		 spur cantilever 10 kV double tension insulator string for spur line 				
		feeding 10/0.4 kV MTS (mast transformer station) - 3				
		pcs.				
		Other accessories necessary for fixing the equipment. The				
		item also includes connection of the existing Al/Č				
		conductors to newly designed mast.	complete	1		
01.01.07	16.2.4.8.	The following equipment shall be delivered and mounted	complete	1		
	16.2.4.5.	onto newly designed mast 12/1000 (2'):				
		- concrete cantilever for tensioning of conductors				
		- 10 kV double tension insulator string - 3 pcs.				
		- 10 kV single tension insulator string - 3 pcs.				
		Other accessories necessary for fixing the equipment.				
		All materials and work included.	complete	1		
01.01.08	01.01.08	Delivery and mounting of Al/Č 3x50/8mm ² strand - spur	, î			
		line from the existing overhead line via mast inserted into				
		the very route to 10/0.4 kV MTS at "Predejane				
		interchange".		120		
		All materials and work included.	m	120		
T		TOTAL ELECTRIC.	AL AND IN	STALLATI	ON WORKS:	
01.01.09	01.01.09	SUNDRIES Control of performed works and putting into operation.				
01.01.09	01.01.09	control of performed works and putting into operation.		lump sum	L	
01.01.10	01.01.10	Switching off the voltage and safeguarding the site.		_		
I				lump sum		
					L SUNDRIES:	
		TOTAL 10 kV, Al/Č 3x50/8 r		HEAD FEE	DER CABLE:	
01.02.00	1600	10/0.4 kV, 100 kVA MTS AT "PREDEJANE" INTERC CIVIL WORKS	CHANGE			
01.02.01	16.2.2 16.2.2	Construction of reinforced concrete block foundation for				
01.02.01	10.2.2	the new mast $11/1600$. Foundation shall be of prismatic				
		shape with a square base, 1.2x1.2x2.0 m. The item				
		includes: earth excavation, placing formwork, fixing				
		includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with				
		includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for				
		includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with	complete	1		
01.02.02	16.2.2	includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included.	complete	1		
01.02.02	16.2.2	includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for				
		includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers.	complete m ³	6.5		
01.02.02 01.02.03	16.2.2 16.2.2	 includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete 				
		 includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 				
		 includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers 				
		 includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable 				
		 includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers 				
		 includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm² 	m ³	6.5		
		includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm ² strands. All materials and work included.	m ³	6.5	VIL WORKS:	
01.02.03	16.2.2	includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm ² strands. All materials and work included. ELECTRICAL AND INSTALLATION WORKS	m ³	6.5	VIL WORKS:	
		includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm ² strands. All materials and work included. ELECTRICAL AND INSTALLATION WORKS Delivery and installation of three-pole switch disconnector	m ³	6.5 1 TOTAL CI	VIL WORKS:	
01.02.03 01.02.04	01.02.04	includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm ² strands. All materials and work included. ELECTRICAL AND INSTALLATION WORKS Delivery and installation of three-pole switch disconnector with lightning arresters.	m ³	6.5	VIL WORKS:	
01.02.03	16.2.2	includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm ² strands. All materials and work included. ELECTRICAL AND INSTALLATION WORKS Delivery and installation of three-pole switch disconnector	m ³	6.5 1 TOTAL CI	VIL WORKS:	
01.02.03 01.02.04 01.02.05	16.2.2 01.02.04 01.02.05	includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm ² strands. All materials and work included. ELECTRICAL AND INSTALLATION WORKS Delivery and installation of three-pole switch disconnector with lightning arresters. Delivery, installation and connection of outdoor 10/0.4 kV, 100 kVA transformers with reduced power losses.	m ³	6.5 1 TOTAL CI	VIL WORKS:	
01.02.03 01.02.04	01.02.04	includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm ² strands. All materials and work included. ELECTRICAL AND INSTALLATION WORKS Delivery and installation of three-pole switch disconnector with lightning arresters. Delivery, installation and connection of outdoor 10/0.4 kV, 100 kVA transformers with reduced power losses.	m ³ pc. complete	6.5 1 TOTAL CI 1	VIL WORKS:	
01.02.03 01.02.04 01.02.05 01.02.06	16.2.2 01.02.04 01.02.05 01.02.06	includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm ² strands. All materials and work included. ELECTRICAL AND INSTALLATION WORKS Delivery and installation of three-pole switch disconnector with lightning arresters. Delivery, installation and connection of outdoor 10/0.4 kV, 100 kVA transformers with reduced power losses. Installation of single-pole base for high-voltage fuse on isolators located on the primary transformer side.	m ³ pc.	6.5 1 TOTAL CP	VIL WORKS:	
01.02.03 01.02.04 01.02.05	16.2.2 01.02.04 01.02.05	 includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm² strands. All materials and work included. ELECTRICAL AND INSTALLATION WORKS Delivery and installation of three-pole switch disconnector with lightning arresters. Delivery, installation and connection of outdoor 10/0.4 kV, 100 kVA transformers with reduced power losses. Installation of single-pole base for high-voltage fuse on isolators located on the primary transformer side. 	m ³ pc. complete pcs.	6.5 1 TOTAL CI 1	VIL WORKS:	
01.02.03 01.02.04 01.02.05 01.02.06	16.2.2 01.02.04 01.02.05 01.02.06	includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm ² strands. All materials and work included. ELECTRICAL AND INSTALLATION WORKS Delivery and installation of three-pole switch disconnector with lightning arresters. Delivery, installation and connection of outdoor 10/0.4 kV, 100 kVA transformers with reduced power losses. Installation of single-pole base for high-voltage fuse on isolators located on the primary transformer side.	m ³ pc. complete	6.5 1 TOTAL CI 1 1 3	VIL WORKS:	
01.02.03 01.02.04 01.02.05 01.02.06 01.02.07	16.2.2 01.02.04 01.02.05 01.02.06 01.02.07	includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm ² strands. All materials and work included. ELECTRICAL AND INSTALLATION WORKS Delivery and installation of three-pole switch disconnector with lightning arresters. Delivery, installation and connection of outdoor 10/0.4 kV, 100 kVA transformers with reduced power losses. Installation of single-pole base for high-voltage fuse on isolators located on the primary transformer side. Delivery and installation of high-voltage 10 kV, 16 A fuse- link.	m ³ pc. complete pcs. pcs.	6.5 1 TOTAL CP 1 3 3	VIL WORKS:	
01.02.03 01.02.04 01.02.05 01.02.06 01.02.07 01.02.08	16.2.2 01.02.04 01.02.05 01.02.06 01.02.07 01.02.08	 includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm² strands. All materials and work included. ELECTRICAL AND INSTALLATION WORKS Delivery and installation of three-pole switch disconnector with lightning arresters. Delivery, installation and connection of outdoor 10/0.4 kV, 100 kVA transformers with reduced power losses. Installation of single-pole base for high-voltage fuse on isolators located on the primary transformer side. Delivery and installation of high-voltage 10 kV, 16 A fuse-link. 	m ³ pc. complete pcs.	6.5 1 TOTAL CI 1 1 3	VIL WORKS:	
01.02.03 01.02.04 01.02.05 01.02.06 01.02.07	16.2.2 01.02.04 01.02.05 01.02.06 01.02.07	includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm ² strands. All materials and work included. ELECTRICAL AND INSTALLATION WORKS Delivery and installation of three-pole switch disconnector with lightning arresters. Delivery, installation and connection of outdoor 10/0.4 kV, 100 kVA transformers with reduced power losses. Installation of single-pole base for high-voltage fuse on isolators located on the primary transformer side. Delivery and installation of high-voltage 10 kV, 16 A fuse- link. Installation and connection of bus bars Cu Ø13 mm (connection between the switch disconnector and	m ³ pc. complete pcs. pcs.	6.5 1 TOTAL CP 1 3 3	VIL WORKS:	
01.02.03 01.02.04 01.02.05 01.02.06 01.02.07 01.02.08	16.2.2 01.02.04 01.02.05 01.02.06 01.02.07 01.02.08	 includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm² strands. All materials and work included. ELECTRICAL AND INSTALLATION WORKS Delivery and installation of three-pole switch disconnector with lightning arresters. Delivery, installation and connection of outdoor 10/0.4 kV, 100 kVA transformers with reduced power losses. Installation of single-pole base for high-voltage fuse on isolators located on the primary transformer side. Delivery and installation of bus bars Cu Ø13 mm (connection between the switch disconnector and transformer) Delivery and laying of PP00 3x95+50 mm², 1 kV cable line to connect power transformer and low-voltage 	m ³ pc. complete pcs. pcs.	6.5 1 TOTAL CP 1 3 3	VIL WORKS:	
01.02.03 01.02.04 01.02.05 01.02.06 01.02.07 01.02.08	16.2.2 01.02.04 01.02.05 01.02.06 01.02.07 01.02.08	includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm ² strands. All materials and work included. ELECTRICAL AND INSTALLATION WORKS Delivery and installation of three-pole switch disconnector with lightning arresters. Delivery, installation and connection of outdoor 10/0.4 kV, 100 kVA transformers with reduced power losses. Installation of single-pole base for high-voltage fuse on isolators located on the primary transformer side. Delivery and installation of high-voltage 10 kV, 16 A fuse- link. Installation and connection of bus bars Cu Ø13 mm (connection between the switch disconnector and transformer) Delivery and laying of PP00 3x95+50 mm ² , 1 kV cable	m ³ pc. complete pcs. pcs. complete	6.5 1 TOTAL CP 1 3 3 1	VIL WORKS:	
01.02.03 01.02.04 01.02.05 01.02.06 01.02.07 01.02.08	16.2.2 01.02.04 01.02.05 01.02.06 01.02.07 01.02.08	 includes: earth excavation, placing formwork, fixing rebars, construction of fine-grained sand base, sealing with concrete, class MB20 and laying Ø60 mm plastic pipes for cables and earthing strip. All materials and work included. Excavation of earth to place safety earth electrode, backfilling and compaction of earth in 15 cm thick layers. Procurement, transport and planting of reinforced concrete mast, 11 m high (9 m above the foundation level), 1600 daN peak force with all necessary supporting cantilevers for MTS equipment (100 kVA output power) and suitable top concrete tension cantilever for Al/Č 3x50/8 mm² strands. All materials and work included. ELECTRICAL AND INSTALLATION WORKS Delivery and installation of three-pole switch disconnector with lightning arresters. Delivery, installation and connection of outdoor 10/0.4 kV, 100 kVA transformers with reduced power losses. Installation of single-pole base for high-voltage fuse on isolators located on the primary transformer side. Delivery and installation of bus bars Cu Ø13 mm (connection between the switch disconnector and transformer) Delivery and laying of PP00 3x95+50 mm², 1 kV cable line to connect power transformer and low-voltage 	m ³ pc. complete pcs. pcs.	6.5 1 TOTAL CP 1 3 3	VIL WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.02.11	01.02.11	Delivery and mounting of outdoor low-voltage distribution				
		cabinet made of polyester, IP54 protection class, for the				
		following equipment:				
		- low-voltage copper bus bars, 30 mm x 5 mm,				
		- three-pole switch, 250 A, 400 V with electromagnetic				
		and thermal releases,				
		- 3 measuring current transformers, 150/5A/A				
		-3 ammeters with maxigraph, 0-6 A				
		-3 low-voltage terminals via three-pole disconnecting fuse				
		bars, 400 A,				
		- bases for 250 A nominal current with 80 A fuse-links - 9				
		pcs.				
		-1 socket with safety contact, 10 A, 250 V,				
		- 6 A fuse-link for ammeters and bulb - 4 pcs.				
		- 10 A fuse-link for socket - 1 pc.				
		-1 light switch, 10 A and 1 light fitting with 60 W bulb,				
		- hardware and electric bonds -1 set				
		- other non-specified small materials				
			complete	1		
01.02.12	01.02.12	Installation of common earth electrode for MTS. The earth				
		electrode shall be installed in the form of two concentric				
		contours made of copper wire, 35 mm2 minimum section,				
		around MTS foundation. They shall be placed in earth				
		according to drawings in graphical documentation. Probes				
		(galvanized iron pipes, 2.5" diameter, 3 m long) shall be				
		placed in apexes of external contour.				
			complete	1		
		TOTAL ELECTRICA	AL AND IN	ISTALLATI	ON WORKS:	
		SUNDRIES	1			
01.02.13	01.02.13	Making necessary connections, non-specified small				
		materials, all necessary tests and measurements in the				
		transformer station and issuing relevant test certificates.				
		Technical inspection and putting transformer station into		1		
		operation		lump sum		
				TOTAI	SUNDRIES:	
			TOTAL	10/0.4 kV, 1	00 kVA MTS:	

SUMMARY 10 kV, AI/Č 3x50/8 mm2 OVERHEAD FEEDER CABLE and 10/0.4 kV, 100 kVA MTS AT "PREDEJANE" INTERC	HANGE
01.01.00 10 kV, Al/Č 3x50/8 mm2 OVERHEAD FEEDER CABLE	
01.02.00 10/0.4 kV, 100 kVA MTS AT "PREDEJANE" INTERCHANGE	
<u>TOTAL 10 kV, AV/Č 3x50/8 mm2 OVERHEAD FEEDER CABLE and 10/0.4 kV, 100 kVA MTS AT "PREDEJANE"</u> <u>INTERCHANGE:</u>	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.00.00		Overhead low-voltage network, 1 kV, Al/Č 4x35/6mm ² 1 882+471 to km 883+516 of the highway	for power s	upply to Bu	navejsko settleme	nt from km
01.01.00		Civil works				
01.01.01	01.01.01	Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the				
01.01.02	16.2.2.	Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for	pcs.	24		
		the new mast $9/1000$. Foundation shall be of prismatic shape with a square base, $0.9 \text{ m} \times 0.9 \text{ m}$, embedding depth				
		1.8 m. The item includes: earth excavation, placing formwork and sealing with concrete, class MB20. All materials and work included.				
		inaterials and work included.	complete	2		
				TOTAL CI	VIL WORKS:	
01.02.00		Electrical and installation works				
01.02.01	01.02.01	Dismantling of the existing mast equipment and $AI/Č$ conductor as well as transport to the nearest warehouse as dimeted by the lawater (up to distance of 5 km)				
		directed by the Investor (up to distance of 5 km).	complete	24		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
01.02.02	16.2.2.	Delivery and erection of new reinforced concrete terminal				
		mast 9/1000 according to the supplier's design. The mast				
		shall be delivered together with suitable cantilever for				
		horizontal arrangement of conductors including all needed				
		supports for equipment to be mounted onto mast. All				
		materials and work included.	pc.	1		
01.02.03	16.2.4.8	The following equipment shall be delivered and mounted	pc.	1		
01102100	16.2.4.5	onto new reinforced concrete terminal steel lattice mast				
		9/1000:				
		- single tension insulator string with long rod insulators, 10				
		kV - 3 pcs.				
		The item also includes equipment supports and accessories				
		necessary for fixing equipment to supports. All materials	1. 4 .	1		
01.02.05	16249	and work included Installation of earth electrode for the mast. The item	complete	1		
01.02.03	16.2.4.8.	includes earth excavation, procurement and installation of				
		\emptyset 10 mm earth electrode of galvanized iron. The earth				
		electrode shall have two rings: one ring will be placed at				
		depth of 0.5 m and at distance of 1 m from the mast edge				
		while the other ring will be placed at depth of 0.8-1 m and				
		at distance of 2 m at least from the mast edge, as shown				
		on the drawing. All materials and work included.				
01.02.06	01.02.06	Control of performed works, carrying out all required tests	complete	1		
01.02.00	01.02.00	and issuing relevant certificates and putting into operation.				
		and issuing relevant certificates and putting into operation.		lump sum	1	
01.02.07	01.02.07	Switching off the voltage and safeguarding the site.		•		
				lump sum	1	
		TOTAL ELECTRIC	AL AND IN	STALLATI	ION WORKS:	
Overhead l	low-voltage netw	ork, 1 kV, Al/Č 4x35/6mm2 for power supply to Bunavejs	ko settleme	nt from km 8	882+471 to km	
				883+516 0	of the highway	
02.00.00		Overhead low-voltage network, 1 kV, Al/Č 4x35/6mm ² 1	for power s	upply to ''M	ahala Paševluk	a" settlement at
		882+841	for power s	upply to "M	ahala Paševluk	a" settlement at
02.01.00	02.01.01	882+841 Civil works	for power s	upply to ''M	ahala Paševluk	a'' settlement at
	02.01.01	882+841	for power s	upply to ''M	ahala Paševluk	a'' settlement at
02.01.00	02.01.01	882+841 Civil works Dismantling of the existing mast of low-voltage network	for power s	apply to "M	ahala Paševluk	a" settlement at
02.01.00	02.01.01	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for			ahala Paševluk	a" settlement at
02.01.00 02.01.01		882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic			ahala Paševluk	a" settlement at
02.01.00 02.01.01		882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth			ahala Paševluk	a" settlement at
02.01.00 02.01.01		882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing			ahala Paševluk	a" settlement at
02.01.00 02.01.01		882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing			ahala Paševluk	a" settlement at
02.01.00 02.01.01		882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work	pcs.	6	ahala Paševluk	a" settlement at
02.01.00 02.01.01		882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing			ahala Paševluk	a" settlement at
02.01.00 02.01.01 02.01.02	16.2.2.	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line.	pcs.	6	ahala Paševluk	a" settlement at
02.01.00 02.01.01 02.01.02	16.2.2.	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic	pcs.	6	ahala Paševluk	a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03	16.2.2. 16.2.4.2.	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line.	pcs.	6 3 153	ahala Paševluk	a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03	16.2.2. 16.2.4.2.	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic	pcs.	6 3 153 57		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04	16.2.2. 16.2.4.2.	 882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. 	pcs.	6 3 153 57	ahala Paševluk	a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00	16.2.2. 16.2.4.2. 16.2.4.3.	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway.	pcs.	6 3 153 57		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04	16.2.2. 16.2.4.2.	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č	pcs.	6 3 153 57		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00	16.2.2. 16.2.4.2. 16.2.4.3.	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č conductor as well as transport to the nearest warehouse as	pcs.	6 3 153 57		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00	16.2.2. 16.2.4.2. 16.2.4.3.	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č	pcs. complete m m	6 3 153 57		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00	16.2.2. 16.2.4.2. 16.2.4.3.	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č conductor as well as transport to the nearest warehouse as	pcs.	6 3 153 57 TOTAL CI		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00 02.02.01	16.2.2. 16.2.4.2. 16.2.4.3. 02.02.01	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č conductor as well as transport to the nearest warehouse as directed by the Investor (up to distance of 5 km).	pcs. complete m m	6 3 153 57 TOTAL CI		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00 02.02.01	16.2.2. 16.2.4.2. 16.2.4.3. 02.02.01	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č conductor as well as transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Delivery and erection of new reinforced concrete terminal mast 9/1000 according to the supplier's design. The mast shall be delivered together with suitable cantilever for	pcs. complete m m	6 3 153 57 TOTAL CI		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00 02.02.01	16.2.2. 16.2.4.2. 16.2.4.3. 02.02.01	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č conductor as well as transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Delivery and erection of new reinforced concrete terminal mast 9/1000 according to the supplier's design. The mast shall be delivered together with suitable cantilever for horizontal arrangement of conductors including all needed	pcs. complete m m	6 3 153 57 TOTAL CI		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00 02.02.01	16.2.2. 16.2.4.2. 16.2.4.3. 02.02.01	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č conductor as well as transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Delivery and erection of new reinforced concrete terminal mast 9/1000 according to the supplier's design. The mast shall be delivered together with suitable cantilever for horizontal arrangement of conductors including all needed supports for equipment to be mounted onto mast. All	pcs. complete m m	6 3 153 57 TOTAL CI		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00 02.02.01	16.2.2. 16.2.4.2. 16.2.4.3. 02.02.01	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č conductor as well as transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Delivery and erection of new reinforced concrete terminal mast 9/1000 according to the supplier's design. The mast shall be delivered together with suitable cantilever for horizontal arrangement of conductors including all needed	pcs. complete m m	6 3 153 57 TOTAL CF 7		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00 02.02.01 02.02.02	16.2.2. 16.2.4.2. 16.2.4.3. 02.02.01 16.2.2.	 882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č conductor as well as transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Delivery and erection of new reinforced concrete terminal mast 9/1000 according to the supplier's design. The mast shall be delivered together with suitable cantilever for horizontal arrangement of conductors including all needed supports for equipment to be mounted onto mast. All materials and work included.	pcs. complete m m	6 3 153 57 TOTAL CI		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00 02.02.01	16.2.2. 16.2.4.2. 16.2.4.3. 02.02.01	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č conductor as well as transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Delivery and erection of new reinforced concrete terminal mast 9/1000 according to the supplier's design. The mast shall be delivered together with suitable cantilever for horizontal arrangement of conductors including all needed supports for equipment to be mounted onto mast. All materials and work included. Installation of earth electrode for the mast. The item	pcs. complete m m	6 3 153 57 TOTAL CF 7		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00 02.02.01 02.02.02	16.2.2. 16.2.4.2. 16.2.4.3. 02.02.01 16.2.2.	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č conductor as well as transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Delivery and erection of new reinforced concrete terminal mast 9/1000 according to the supplier's design. The mast shall be delivered together with suitable cantilever for horizontal arrangement of conductors including all needed supports for equipment to be mounted onto mast. All materials and work included. Installation of earth electrode for the mast. The item includes earth excavation, procurement and installation of	pcs. complete m m complete	6 3 153 57 TOTAL CF 7		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00 02.02.01 02.02.02	16.2.2. 16.2.4.2. 16.2.4.3. 02.02.01 16.2.2.	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č conductor as well as transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Delivery and erection of new reinforced concrete terminal mast 9/1000 according to the supplier's design. The mast shall be delivered together with suitable cantilever for horizontal arrangement of conductors including all needed supports for equipment to be mounted onto mast. All materials and work included. Installation of earth electrode for the mast. The item	pcs. complete m m complete	6 3 153 57 TOTAL CF 7		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00 02.02.01 02.02.02	16.2.2. 16.2.4.2. 16.2.4.3. 02.02.01 16.2.2.	882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č conductor as well as transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Delivery and erection of new reinforced concrete terminal mast 9/1000 according to the supplier's design. The mast shall be delivered together with suitable cantilever for horizontal arrangement of conductors including all needed supports for equipment to be mounted onto mast. All materials and work included. Installation of earth electrode for the mast. The item includes earth excavation, procurement and installation of Ø10 mm earth electrode of galvanized iron. The earth	pcs. complete m m complete	6 3 153 57 TOTAL CF 7		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00 02.02.01 02.02.02	16.2.2. 16.2.4.2. 16.2.4.3. 02.02.01 16.2.2.	 882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č conductor as well as transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Delivery and erection of new reinforced concrete terminal mast 9/1000 according to the supplier's design. The mast shall be delivered together with suitable cantilever for horizontal arrangement of conductors including all needed supports for equipment to be mounted onto mast. All materials and work included. Installation of earth electrode for the mast. The item includes earth excavation, procurement and installation of Ø10 mm earth electrode of galvanized iron. The earth electrode shall have two rings: one ring will be placed at depth of 0.5 m and at distance of 1 m from the mast edge while the other ring will be placed at depth of 0.8-1 m and	pcs. complete m m complete	6 3 153 57 TOTAL CF 7		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00 02.02.01 02.02.02	16.2.2. 16.2.4.2. 16.2.4.3. 02.02.01 16.2.2.	 882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č conductor as well as transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Delivery and erection of new reinforced concrete terminal mast 9/1000 according to the supplier's design. The mast shall be delivered together with suitable cantilever for horizontal arrangement of conductors including all needed supports for equipment to be mounted onto mast. All materials and work included. Installation of earth electrode for the mast. The item includes earth excavation, procurement and installation of Ø10 mm earth electrode of galvanized iron. The earth electrode shall have two rings: one ring will be placed at depth of 0.5 m and at distance of 1 m from the mast edge while the other ring will be placed at depth of 0.8-1 m and at distance of 2 m at least from the mast edge, as shown 	pcs. complete m m complete	6 3 153 57 TOTAL CF 7		a" settlement at
02.01.00 02.01.01 02.01.02 02.01.03 02.01.04 02.02.00 02.02.01 02.02.02	16.2.2. 16.2.4.2. 16.2.4.3. 02.02.01 16.2.2.	 882+841 Civil works Dismantling of the existing mast of low-voltage network and transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Construction of reinforced concrete block foundation for the new mast 9/1000. Foundation shall be of prismatic shape with a square base, 0.9 m x 0.9 m, embedding depth 1.8 m. The item includes: earth excavation, placing formwork, laying Ø110 mm pipes for cables and sealing with concrete, class MB20. All materials and work included. Excavation of 0.8 m deep and 0.4 m wide trench for laying one 1 kV cable line. Delivery and laying of 4xØ110 mm hard plastic ('Juvidur') pipes to draw cables under the highway. Electrical and installation works Dismantling of the existing mast equipment and Al/Č conductor as well as transport to the nearest warehouse as directed by the Investor (up to distance of 5 km). Delivery and erection of new reinforced concrete terminal mast 9/1000 according to the supplier's design. The mast shall be delivered together with suitable cantilever for horizontal arrangement of conductors including all needed supports for equipment to be mounted onto mast. All materials and work included. Installation of earth electrode for the mast. The item includes earth excavation, procurement and installation of Ø10 mm earth electrode of galvanized iron. The earth electrode shall have two rings: one ring will be placed at depth of 0.5 m and at distance of 1 m from the mast edge while the other ring will be placed at depth of 0.8-1 m and	pcs. complete m m complete	6 3 153 57 TOTAL CF 7		a" settlement at

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
02.02.04	16.2.4.8.	The following equipment shall be delivered and mounted				
	16.2.4.5.	onto new reinforced concrete terminal steel lattice mast				
		9/1000:				
		- 3 cable termination boxes, 1 kV				
		- 3 lightning arresters, 1 kV				
		- 3 single tension insulator strings, 1 kV				
		Other accessories necessary for fixing equipment to				
		supports.				
		The item also includes connection of the existing Al/Č				
		conductors to newly designed mast.				
		All materials and work included	complete	3		
02.02.05	02.02.05	Delivery and laying of 1 kV PP 00-A 4x150 mm2 cable				
		line into excavated cable trench under the highway				
		through hard plastic ("Juvidur") pipes. The item includes				
		procurement and filling of 20 cm thick bed made of fine				
		grained earth or sand, procurement and placing of 2 PVC				
		warning tapes, one at the depth of 0.3 m from the cable				
		and the other at 0.5 m from the cable. Procurement and				
		placing of lead clamps with impressed cable				
		characteristics: type, voltage, section and year of cable				
		laving				
		Marks shall be placed at both ends of hard plastic				
		("Juvidur") pipes and in cable trench at every 5 m of cable				
		length. Trench backfilling, compaction of earth in layers				
		and connection of cable ends. Procurement and placing of				
		cable line markers for undeveloped land. All materials and		211		
02.02.06	16242	work included.	m	311		
02.02.06	16.2.4.2.	Delivery and assembly of protective gutter for 2 m long				
		cable. The gutter shall be made of $2x(100x50x10)$ sections	P 00	4		
02.02.07	16.2.4.6.	according to designed detail.	pcs.	4		
02.02.07	16.2.4.7.	Geodetic survey of cable lines and entering of				
	10.2.4.7.	underground installations into the cadastral plan. Control				
		of performed works, carrying out all required tests and				
		issuing relevant certificates and putting into operation.		lump sum		
02.02.08	02.02.08	Switching off the voltage and safeguarding the site.		iump sum		
32.02.00	02.02.00	s intering on the totage and suregularing the site.		lump sum		
		TOTAL ELECTRICA				
		rork, 1 kV, Al/Č 4x35/6mm2 for power supply to "Mahala				

t	
I	SUMMARY Overhead low-voltage network
I	
	Overhead low-voltage network, 1 kV, Al/Č 4x35/6mm2 for power supply to Bunavejsko settlement from km 882+471
	01.00.00 the addition of the list of the l
	01.00.00 to km 883+516 of the highway

02.00.00 Overhead low-voltage network, 1 kV, Al/Č 4x35/6mm2 for power supply to "Mahala Paševluka" settlement at km

TOTAL Overhead low-voltage network:

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total			
ote: All items re	ferred to material ir	clude its delivery.							
12.5.04.00	COLLISION 4	THE EXISTING TELECOMMUNICATION OPTIC CA	BLE RUN	NNING IN PA	ARALLEL WITH	PLANNED			
	HIGHWAY ALIGNMENT from 881+175.00 km to 881+475.00 km								
ollision 4 – mat	erial								
12.5.04.01	15.4.1.	PVC pipe, 1xØ110							
			m	580					
12.5.04.02	15.4.1.	Plug for pipe, Ø110 mm							
			pcs.	4					
12.5.04.03	15.4.1.	Comb for two pipes, Ø110 mm							
			pcs.	60					
12.5.04.04	15.4.1.	PVC cable shield, 1 m							
			pcs.	290					
12.5.04.05	15.4.1.	Concrete post for marking straight cable route		_					
10 0 0 0 0 0			pcs.	5					
12.5.04.06	15.4.1.			2					
12 5 04 07	15 4 1	Concrete post for marking turning points in cable route	pcs.	2					
12.5.04.07	15.4.1.	Identification and warning tape with aluminum backing		290					
12.5.04.08	15.4.1.	Sand	m	290					
12.3.04.08	13.4.1.	Salid	m³	52.2					
ollision 4 – wor	·ks		m	52.2					
12.5.04.09	15.4.2.2.	Routing							
1210101109	101112121	Touring	m	290					
12.5.04.10	12.5.04.10	Detection of the existing cable routes by cable detector and							
		pegging out.	m	290					

Item No. 12.5.04.11	T.S. 15.4.2.2.	Work Description Manual excavation of 0.6 m x 1.2 m trench in III category	Unit	Quantity	Unit Price	Total
12.3.04.11	13.4.2.2.	earth	m	290		
12.5.04.12	15.4.2.2.	Backfilling of 0.6 m x 1.2 m trench and compaction of earth in layers	m	290		
12.5.04.13	12.5.04.13	Placing combs into trench	pcs.	60		
12.5.04.14	15.4.2.2.	Spreading of sand in trench	m	290		
12.5.04.15	15.4.2.2.	Laying and casing the existing Ø40 PE hoses into Ø110 pipes in excavated trench	m	580		
12.5.04.16	12.5.04.16	Plugging of Ø110 mm pipe	pcs.	4		
12.5.04.17	15.4.2.3.	Placing concrete post for marking pipe ends and turning points in cable route.	pcs.	7		
12.5.04.18	15.5.2.	Electrical measurements on optic cable after protection	pc.	1		
12.5.04.19	12.5.04.19	Preparation of as-built technical documentation	m	290		
12.5.04.20	12.5.04.20	Geodetic surveys and mapping up to 1 km	m	290		
12.5.04.21	15.4.1.	Placing identification and warning tape with aluminum backing	m	955		
		Dacking			OLLISION 4:	
12.5.05.00 lision 5 – mate	HIGHWAY AL	THE EXISTING TELECOMMUNICATION OPTIC CA IGNMENT at 882+875.00	ABLE RUN	NING IN PA	ARALLEL WIT	H PLANNED
12.5.05.01	15.4.1.	PVC pipe, 1xØ110				
12.5.05.02	15.4.1.	Plug for pipe, Ø110 mm	m	50		
12.5.05.03	15.4.1.	Comb for two pipes, Ø110 mm	pcs.	4		
12.5.05.04	15.4.1.	PVC cable shield, 1 m	pcs.	5		
12.5.05.05	15.4.1.	Concrete post for marking straight cable route	pcs.	25		
12.5.05.06	15.4.1.		pcs.	2		
12.5.05.07	15.4.1.	Identification and warning tape with aluminum backing Sand	m	25		
12.5.05.08	15.4.1.	Concrete MB-20	m³	4.5		
			m³	2		
lision 5 – worl 12.5.05.09	ks 15.4.2.2.	Routing				
12.5.05.10	12.5.05.10	Detection of the existing cable routes by cable detector and	m	25		
12.5.05.11	15.4.2.2.	pegging out. Manual excavation of 0.6 m x 1.2 m trench in III category	m	25		
12.5.05.12	15.4.2.2.	earth Backfilling of 0.6 m x 1.2 m trench and compaction of	m	25		
	12.5.05.13	earth in layers Placing combs into trench	m	25		
12.5.05.13			pcs.	3		
12.5.05.14	15.4.2.2.	Spreading of sand in trench	m	25		
12.5.05.15	12.5.05.15	Sealing pipes with concrete in trench beneath road crossing	m	25		
12.5.05.16	15.4.2.2.	Laying and casing the existing Ø40 PE hoses into Ø110 pipes in excavated trench	m	50		
12.5.05.17	12.5.05.17	Plugging of Ø110 mm pipe	pcs.	4		
12.5.05.18	15.4.2.3.	Placing concrete post for marking pipe ends and turning points in cable route.	pcs.	2		
12.5.05.19	15.5.2.	Electrical measurements on optic cable after protection	pc.	1		
12.5.05.20	12.5.05.20	Preparation of as-built technical documentation	m	25		
12.5.05.21	12.5.05.21	Geodetic surveys and mapping up to 1 km	m	25		
12.5.05.22	15.4.1.	Placing identification and warning tape with aluminum backing	m	955		
-	-			TOTAL C	OLLISION 5:	
12.5.06.00		THE EXISTING TELECOMMUNICATION OPTIC CA IGNMENT at 883+125.00	BLE RUN	INING IN PA	ARALLEL WIT	H PLANNED
12.3.00.00	Inonwar al					
lision 6 – mate 12.5.06.01		PVC pipe, 1xØ110	I			

12.5 0.02 15.4.1. Page for pipe, 0110 mm pic. 2 1 12.5 0.042 15.4.1. Construe post for muching verify table node pcs. 70 1 12.5 0.045 15.4.1. Construe post for muching verify table node pcs. 4 1 12.5 0.045 15.4.1. Mantification and warning tage with abanisms backing m 70 1 12.5 0.046 15.4.1. Staod m 70 1 1 12.5 0.046 15.4.2.2. Roting m 70 1 1 12.5 0.040 15.4.2.2. Booting: m 70 1 1 12.5 0.041 15.4.2.2. Booting: m 70 1 1 12.5 0.011 15.4.2.2. Speedbag of and its mech m 70 1 1 12.5 0.012 15.4.2.2. Exerctical measurements on optic cable after protection m n 70 1 12.5 0.013 15.2.4 Freedbag of 0110 mm regits protection pc. 1	Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
12.5.06.04 15.4.1. IVC cable shold, 1 m p_{cb} 70 70 12.5.06.05 15.4.1. Identification and warning targe with aluminum backing m 70 12.5 12.5.06.06 15.4.1. Board for making straight cable route m 70 12.5 Cellistin 6 - works m 70 12.5 m 70 12.5 12.5.06.08 15.4.2.2. Routing m 70 12.5 m 70 12.5 12.5.06.08 15.4.2.2. Routing m 70 12.5 m 70 12.5 12.5.06.10 15.4.2.2. Repraint out in the existing cable routes had couples of m 70 12.5 11.5 12.5 11.5 12.5 11.5 12.5 11.5 12.5 11.5 12.5 11.5 12.5 11.5 12.5 11.5 12.5 11.5 12.5 11.5 12.5 11.5 12.5 11.5 12.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
12.5.06.04 15.4.1. Concrete post for marking straight cable route $pc.$ 4 4 12.5.06.05 15.4.1. Bondfication and warning tape with abanismum backing m 70 1 12.5.06.05 15.4.1. Sund m 70 1 12.5.06.05 15.4.2. Roming m 70 1 12.5.06.07 15.4.2. Roming m 70 1 12.5.06.08 12.5.06.10 Detection of the scissing cable routes by cable detector and m 70 1 12.5.06.10 15.4.2.2. Registing of 0.6 m x 1.2 m trench in III category m 70 1 12.5.06.11 15.4.2.2. Laping of CH10 man pipe m 70 1 1 12.5.06.13 12.2.06.13 Tagging of CH10 man pipe pct. 2 1 1 12.5.06.13 15.5.2. Electrical measurements on optic cable after protection pct. 1 1 1 12.5.06.13 15.4.1. Pacing order post for marking gauge to 1 1 am n 70 1 1 1 12.5.06.13 15.4.1. <	12.5.06.03	15.4.1.	PVC cable shield, 1 m	pes.			
12.5.06.0615.4.1 Bondification and variality tape with aluminum backing m $\frac{\mathbf{pc.}}{\mathbf{n}}$ 4 \mathbf{n} 12.5.06.0715.4.2.2 Descion of the existing cable course by cable detector and m \mathbf{n} 70 \mathbf{n} 12.5.06.0812.5.06.08 Descion of the existing cable course by cable detector and m \mathbf{n} 70 \mathbf{n} 12.5.06.0812.5.06.08 Descion of the existing cable course by cable detector and m \mathbf{n} 70 \mathbf{n} 12.5.06.0115.4.2.2 Backfilling of the x 1.2 m trench and compaction of m \mathbf{n} 70 \mathbf{n} 12.5.06.1015.4.2.2 Backfilling of the x 1.2 m trench and compaction of m \mathbf{n} 70 \mathbf{n} 12.5.06.1115.4.2.2 Backfilling of the x 1.2 m trench and compaction of m \mathbf{m} 70 \mathbf{n} 12.5.06.1315.5.2.1 Descing and casing the twisting (940 Pf) bases into 0110 mm pres \mathbf{m} 70 \mathbf{n} 12.5.06.1415.4.2.3 Descing of data limit marking prise ends and taming points in cable course and mapping up to 1 km \mathbf{m} 70 \mathbf{n} 12.5.06.15Experiation of a-s-kulti technical discumentation material measurements on optic cable after protection $\mathbf{pc.}$ 1 \mathbf{n} 12.5.06.16Deparation of a-s-kulti technical discumentation m \mathbf{m} 70 \mathbf{n} \mathbf{n} 12.5.06.17Geodelic survey and mapping up to 1 km \mathbf{m} 70 \mathbf{n} \mathbf{n} 12.5.06.17Geodelic survey and masking tage with aluminum backing \mathbf{m} 70 \mathbf{n} 12.5.0	12.5.06.04	15.4.1.	Concrete post for marking straight cable route	pcs.	70		
Leading control working tage with summanit backingm70 $225,06,06$ 15,4.2.Rowingm70 $125,06,07$ 15,4.2.2.Rowingm70 $125,06,08$ 15,4.2.2.Rowingm70 $125,06,08$ 15,4.2.2.Rowingm70 $125,06,08$ 15,4.2.2.Rowingm70 $125,06,018$ 15,4.2.2.Rowing of 0.6 m x 1.2 m teach in II categorym70 $125,06,111$ 15,4.2.2.Rowing of sould in teachm70 $125,06,112$ 15,4.2.2.Rowing for sould in teachm70 $125,06,112$ 15,4.2.2.Rowing for sould in teachm70 $125,06,113$ 15,4.2.2.Rowing for sould in teachm70 $125,06,113$ 15,5.2.Rowing for sould in teachm70 $125,06,113$ 15,5.2.Rowing conceres port for making pipe only and turningpex.4 $125,06,17$ 12,5.06,17Geodetic aureys and mapping ap to 1 kmm70 $125,06,17$ 12,5.06,17Geodetic aureys and mapping ap to 1 kmm70 $125,06,17$ 12,5.06,17Geodetic aureys and mapping ap to 1 kmm90 $125,07,08$ 15,4.1.Plaging of 101 mmpex21 $125,07,03$ 15,4.1.Plaging for 101 mmm9551 $125,07,03$ 15,4.1.Plaging for 101 mmm9251 $125,07,03$ 15,4.1.Plaging for 101 mmm4001 <td< td=""><td></td><td></td><td></td><td>pcs.</td><td>4</td><td></td><td></td></td<>				pcs.	4		
Image: Control of the set of th	12.5.06.05	15.4.1.		m	70		
Collision 4 - works 12.5.06.07 15.4.2.2 Roaring m 70 12.5.06.08 12.5.06.08 12.5.06.00 15.4.2.2 Besection of the existing cable roares by cable detector and m 70 m 70 12.5.06.00 15.4.2.2 Beackfilling of 6.0 m x 1.2 m teach and compaction of m 70 m 70 12.5.06.10 15.4.2.2 Spreading of 6.0 m x 1.2 m teach and compaction of m 70 m 70 12.5.06.11 15.4.2.2 Foreing of 6.0 m x 1.2 m teach and compaction of m 70 m 70 12.5.06.13 15.4.2.2 Foreing one casting 0.0 PE hoses into 0.010 m 70 m 120 12.5.06.14 15.4.2.3 Precising one casting 0.0 PE hoses into 0.010 m 70 m 120 12.5.06.15 15.3.3 Precising one casting 0.0 PE hoses into 0.010 m 70 m 120 12.5.06.16 12.5.06.17 Teacting concrete poort for marking pripe and sait the teneral discumentation m m 70 m 12.5.07.00 COLLISION 7 - THE EXISTING TELECOMMUNICATIO	12.5.06.06	15.4.1.	Sand	m ³	12.6		
1 -1		is	-		1210		
12.5.06.08 Detection of the avoing ohle must by calle director and n n 70 12.5.06.09 15.4.2. Manual execution of 0.6 m x.1.2 m trench in III calegory m n 70 12.5.06.10 15.4.2. BickCilling of 0.6 m x.1.2 m trench and compaction of m n 70 12.5.06.11 15.4.2.2. Spreading of 0.6 m x.1.2 m trench and compaction of m n 70 12.5.06.12 15.4.2.2. Spreading of 0.6 m x.1.2 m trench and compaction of m n 70 12.5.06.13 15.4.2.2. Spreading of stand it trench n 70 1 12.5.06.14 12.5.06.15 15.5.2. Filterical measurements on optic cable after protection pc. 1 1 12.5.06.16 12.5.06.17 12.5.06.17 Goodcic surveys and mapping up to 1 km n 70 1 12.5.06.17 12.5.06.17 Goodcic surveys and mapping up to 1 km n 70 1 12.5.07.01 15.4.1. Pucing identification and warring tupe with aluminum hacking 95 1 12.5.07.02 15.4.1. Pucing identification and warring tupe with aluminum hacking 95 1 12.5.07.03 15.4.1. Pucing	12.5.06.07	15.4.2.2.	Routing	m	70		
12.5.06.09 13.4.2.2. enh Mean decision of 0.6 m x 1.2 m tench in IL category enh m 70 m 12.5.66.10 15.4.2. 12.5.66.11 15.4.2. 15.4.2. Emb m 70 m 12.5.66.11 15.4.2. 12.5.66.13 15.4.2. 12.5.66.13 Employ of sand in reach more mutaning more more more more more more more more	12.5.06.08	12.5.06.08					
12.5.06.10 15.4.2.2. Backfilling of 0.6 m x 1.2 m trench and compaction of m 70 m 70 12.5.06.11 15.4.2.2. Spreading of sand in trench m 70 m 70 12.5.06.12 15.4.2.2. Taying and casing the existing OM PE hoses into OH 0 m 70 12.5.06.13 12.5.06.13 12.5.06.13 Placing concrete post for marking pipe ends and uming post. 2 12.5.06.14 15.4.2. Placing concrete post for marking pipe ends and uming post. pcst. 4 12.5.06.15 15.5.2. Electrical messurements on optic cable after protection pc. 1 1 12.5.06.16 12.5.06.16 Preparation of as-built technical documentation m 70 1 1 12.5.06.17 12.5.06.17 Electrical messurements on optic cable after protection pc. 1 1 12.5.06.18 15.4.1 Placing identificatio and warning tape with aluminum m 055 1 1 12.5.07.01 15.4.1. Placing identificatio and warning tape with aluminum m 055 1 1 12.5.07.03 15.4.1. PVC pipe, 1010 m m pc. 2 1 1 12.5.07.04 15.4.1. PVC pipe, 0110 mm pc. 25 1 1	12.5.06.09	15.4.2.2.	Manual excavation of 0.6 m x 1.2 m trench in III category				
12.5.06.11 13.4.2.2. Spreading of sand in trench m $\overline{70}$ m $\overline{70}$ 12.5.06.12 13.4.2.2. Laying and casing the existing Q40 PE hoses into Q110 m 140 12.5.06.13 12.5.06.13 12.5.06.13 Placing Q10 Q110 mm pipe pcs. 2 12.5.06.14 13.4.2.3. Placing Q10 Q110 mm pipe pcs. 4 1 12.5.06.15 15.5.2. Electrical measurements on optic cable after protection pc. 1 1 12.5.06.16 12.5.06.17 I2.5.06.17 Goedeic surveys and mapping up to 1 km m 70 1 12.5.06.17 I2.5.06.17 Goedeic surveys and mapping up to 1 km m 70 1 12.5.06.18 I5.4.1 Placing identification and warning tupe with aluminum m 955 1 12.5.07.00 COLLISION 7 - THE EXISTING TELECOMMUNICATION OPTIC CABLE RUNNING IN PARALLEL WITH PLANNED HIGHWAY ALIGNNEEXT from km 883-700.00 km 883-925.00 1 1 Collision 7 - material PVC cable shield, 1 m pcs. 2 1 12.5.07.08 15.4.1 Conserve post for marking straight cable route pcs. 2 1	12.5.06.10	15.4.2.2.		m	70		
12.5.06.1215.4.2. Laying and casing the existing Q40 PE hoses into 0110 mpips in excavated trench pips in excavated trench 	12.5.06.11	15.4.2.2.	earth in layers Spreading of sand in trench	m	70		
12.5.06.13pipes in exacuted tenchm14012.5.06.1415.4.2.3. Plugging of 1010 mm pipe points in cable conte.pcs.212.5.06.1515.5.2.Electrical measurements on optic cable after protection points in cable conte.pcs.412.5.06.1612.5.06.16Deparation of as-built technical documentation 	10 5 0 5 10	15 4 0 0		m	70		
12.506.14IS.4.2.3. Person in cable route.pecs.212.506.15IS.5.2.Electrical measurements on optic cable after protection pc.pc.412.506.16IS.5.2.Electrical measurements on optic cable after protection mpc.112.506.16IS.506.17IS.506.17Electrical measurements on optic cable after protection mm7012.506.17IS.506.17Ecolesic surveys and mapping up to 1 kmm70112.506.18IS.4.1.Placing identification and warning tape with aluminum mm70112.507.00COLLISION 7- THE EXISTING TELECOMMUNICATION OPTIC CABLE RUNNING IN PARALLEL WITH PLANNED IMIGHWAY ALIGONNENT From km 883+700.00 to km 883+925.00Collision 7 - materialPVC pipe, 1x0110m46012.507.01IS.4.1.PUg pipe, 0110 mmpcs.212.507.03IS.4.1.Comb for two pipes, 0110 mmpcs.2512.507.04IS.4.1.Ever post for marking straight cable routepcs.312.507.05IS.4.1.Concrete post for marking straight cable routepcs.212.507.06IS.4.1.Concrete post for marking turning points in cable routepcs.212.507.01IS.4.1.Concrete post for marking turning points in cable routepcs.212.507.01IS.4.1.Concrete post for marking turning points in cable routepcs.212.507.01IS.4.1.Concrete post for marking turning points in cable routepcs.212.507.11 <td< td=""><td></td><td></td><td>pipes in excavated trench</td><td>m</td><td>140</td><td></td><td></td></td<>			pipes in excavated trench	m	140		
points in cable route, 12.5.06.15points in cable route, in cable route, pcs. in cable route, pcs. in cable route, pcs. in cable route, in cable route, pcs. in cable route, in cable route, in cable route, pcs. in cable route, pcs. in cable route, pcs. in cable route, in cable route, in cable route, in cable route, pcs. in cable route, in cable rou	12.5.06.13	12.5.06.13	Plugging of Ø110 mm pipe	pcs.	2		
12.5.06.15 15.5.2. Electrical measurements on optic cable after protection $\mathbf{pc.}$ 1 12.5.06.16 12.5.06.16 Preparation of as-built technical documentation \mathbf{m} 70 12.5.06.17 12.5.06.17 Geodetic surveys and mapping up to 1 km \mathbf{m} 70 12.5.06.18 15.4.1. Placing identification and warning tape with aluminum \mathbf{m} 70 TOTAL COLLSION 7: Coll Sidein 1 </td <td>12.5.06.14</td> <td>15.4.2.3.</td> <td></td> <td>nes</td> <td>4</td> <td></td> <td></td>	12.5.06.14	15.4.2.3.		nes	4		
12.5.06.16Preparation of as-built technical documentation $ \mathbf{p} $ $ \mathbf{p} $ $ \mathbf{p} $ 12.5.06.1712.5.06.17Geodetic surveys and mapping up to 1 km \mathbf{m} 70 70 12.5.06.1815.4.1.Placing identification and warning tape with aluminum \mathbf{m} 70 70 12.5.07.00COLLISION 7 - THE EXISTING TELECOMMUNICATION OPTIC CABLE RUNNING IN PARALLEL WITH PLANNED116.600 7 - materialInterview of the technical documentation \mathbf{m} 70 12.5.07.0215.4.1.Plug for pipe, 3010 mm $\mathbf{pcs.}$ 2 12.5.07.0315.4.1.Plug for pipe, 6010 mm $\mathbf{pcs.}$ 2 12.5.07.0415.4.1.Concrete post for marking straight cable route $\mathbf{pcs.}$ 2 12.5.07.0515.4.1.Concrete post for marking straight cable route $\mathbf{pcs.}$ 2 12.5.07.0615.4.1.Concrete post for marking turning points in cable route $\mathbf{pcs.}$ 2 12.5.07.0815.4.1.Sand \mathbf{m} 230 \mathbf{m} 12.5.07.0915.4.2.Routing \mathbf{m} 230 \mathbf{m} 12.5.07.1015.4.1.Sand \mathbf{m} 230 \mathbf{m} 12.5.07.1015.4.1.Sand \mathbf{m} 230 \mathbf{m} 12.5.07.1015.4.2.2.Routing \mathbf{m} 230 \mathbf{m} 12.5.07.1015.4.2.2.Routing \mathbf{m} 230 \mathbf{m} 12.5.07.1115.4.2.2.Spreading of 6 m x 1.2 m trench in III category earth \mathbf{m} 230 \mathbf{m} </td <td>12.5.06.15</td> <td>15.5.2.</td> <td>-</td> <td></td> <td></td> <td></td> <td></td>	12.5.06.15	15.5.2.	-				
12.5.06.17 12.5.06.17 Geodetic surveys and mapping up to 1 km m 70 12.5.06.18 15.4.1. Placing identification and warning tape with aluminum backing m 955 TOTAL COLLISION 6: TOTAL COLLISION 7 - THE EXISTING TELECOMMUNICATION OPTIC CBLE RUNNING IN PARALLEL WITH PLANNED HIGHWAY ALLOWENT Tom tam 883/925.00 COLLISION 7 - THE EXISTING TELECOMMUNICATION OPTIC CBLE RUNNING IN PARALLEL WITH PLANNED HIGHWAY ALLOWENT Tom tam 883/925.00 Collision 7 - material TOTAL COLLISION 5: Collision 7 - material Collision 7 - material Comparison of the two pipe, 0110 mm pes: 25 12.507.01 15.4.1. PWC cable shield, 1 m pes: 230 12.507.06 15.4.1. Concrete post for marking straight cable route pcs: 3 12.507.06 15.4.1. Concrete post for marking tupe with aluminum backing m 230 12.507.00 12.507.01 15.4.1. Concrete post for marking tupe w	12.5.06.16	12.5.06.16		pc.	l		
12.5.06.1815.4.1.Placing identification and warning tape with aluminumm70TOTAL COLLISION 7 - THE EXISTING TELECOMMUNICATION OPTIC CABLE RUNNING IN PARALLEL WITH PLANNEDCOLLISION 7 - THE EXISTING TELECOMMUNICATION OPTIC CABLE RUNNING IN PARALLEL WITH PLANNEDCollion 7 - materialTOTAL COLLISION 7 - THE EXISTING TELECOMMUNICATION OPTIC CABLE RUNNING IN PARALLEL WITH PLANNEDCollion 7 - materialTOTAL COLLISION 7 - THE EXISTING TELECOMMUNICATION OPTIC CABLE RUNNING IN PARALLEL WITH PLANNEDCollion 7 - material12.5.07.0015.4.1Plug for pipe, Ø110 mmpcs.212.5.07.0315.4.1.Concrete post for marking straight cable routepcs.12.5.07.0415.4.1.12.5.07.0515.4.1.Concrete post for marking turning points in cable routepcs.12.5.07.0815.4.1.12.5.07.0915.4.2.12.5.07.0915.4.2.2.Routingm23.012.5.07.1012.5.07.1012.5.07.10Decicion of the existing cable routes by cable detector and megging cout.m23.012.5.07.1115.4.2.2.Placing combs into trenchpcs.12.5.07.1215.4.2.2.Spreading of sand in trenchm23.012.5.07.1415.4.2.2.Spreading of sand in trenchm23.012.5.07.1515.4.2.2.Spreading of sand in trenchm23.0 <td>12 5 06 17</td> <td>12 5 06 17</td> <td>Geodetic surveys and manning up to 1 km</td> <td>m</td> <td>70</td> <td></td> <td></td>	12 5 06 17	12 5 06 17	Geodetic surveys and manning up to 1 km	m	70		
backing m 95 TOTAL COLLISION 7 - THE EXISTING TELECOMMUNICATION OPTIC CABLE RUNNING IN PARALLEL WITH PLANNED Collision 7 - material 12.5.07.00 COLLISION 7 - THE EXISTING TELECOMMUNICATION OPTIC CABLE RUNNING IN PARALLEL WITH PLANNED Collision 7 - material PVC pipe, 1x9110 m 460 12.5.07.01 15.4.1. Plug for pipe, 0110 mm pcs. 2 12.5.07.04 15.4.1. Comb for two pipes, 0110 mm pcs. 2 12.5.07.05 15.4.1. Concrete post for marking straight cable route pcs. 3 12.5.07.06 15.4.1. Concrete post for marking tarnight cable route pcs. 2 12.5.07.06 15.4.1. Concrete post for marking tarnight cable route pcs. 2 12.5.07.07 15.4.1. Bendtification and warning tape with aluminum backing m 230 12.5.07.10 12.5.07.10 Detection of the existing cable routes by cable detector and m 230 12.5.07.10 12.5.07.10 Detection of the existing cable routes by cable detector and m 230 12.5.07.10 <td< td=""><td></td><td></td><td></td><td>m</td><td>70</td><td></td><td></td></td<>				m	70		
12.5.07.00COLLSION 7 - THE EXISTING TELECOMMUNICATION OPTIC CABLE RUNNING IN PARALLEL WITH PLANNED HIGHWAY ALICNMENT from km 883+702.00Collision 7 - materialn46012.5.07.0115.4.1.PVC pipe, 1x0110m12.5.07.0215.4.1.PUg for pipe, 0110 mmpcs.212.5.07.0315.4.1.Comb for two pipes, 0110 mmpcs.212.5.07.0415.4.1.Control two pipes, 0110 mmpcs.23012.5.07.0515.4.1.Concrete post for marking straight cable routepcs.312.5.07.0615.4.1.Concrete post for marking turning points in cable routepcs.212.5.07.0715.4.1.Sandm23012.5.07.0815.4.2.Routingm23012.5.07.0915.4.2.Routingm23012.5.07.1012.5.07.10Detection of the existing cable routes by cable detector and pregenging out.m23012.5.07.1115.4.2.2.Routingm23012.5.07.1215.4.2.2.Routingm23012.5.07.1312.5.07.1312.5.07.13Placing combs into trenchpcs.2512.5.07.1415.4.2.2.Spreading of 0.6 m x 1.2 m trench in III category earth in layersm23012.5.07.1312.5.07.13Placing combs into trenchpcs.2512.5.07.1415.4.2.2.Spreading of 3.04 in trenchm23012.5.07.1515.4.2.3.Placing context post for marking pipe ends and turning pipes in cable route. <td>12.5.06.18</td> <td>15.4.1.</td> <td></td> <td>m</td> <td>955</td> <td></td> <td></td>	12.5.06.18	15.4.1.		m	955		
HIGHWAY ALIGNMENT from km 883+700.00 to km 883+925.00 Collicion 7 - material 12.5.07.01 15.4.1. PVC pipe, 1x0110 mm m 460 12.5.07.02 15.4.1. Pug for pipe, Ø110 mm pcs. 2 12.5.07.03 15.4.1. Comb for two pipes, Ø110 mm pcs. 230 12.5.07.04 15.4.1. PVC cable shield, 1 m pcs. 230 12.5.07.05 15.4.1. Concrete post for marking straight cable route pcs. 3 12.5.07.06 15.4.1. Concrete post for marking turning points in cable route pcs. 2 12.5.07.07 15.4.1. Sand m 230 1 12.5.07.08 15.4.1. Sand m 230 1 12.5.07.10 12.5.07.10 Detection of the existing cable routes by cable detector and more acting m 230 1 12.5.07.11 15.4.2.2. Routing m 230 1 12.5.07.13 12.5.07.14 Manual excavation of 0.6 m x 1.2 m trench in III category earth in layers 25 1			•		TOTAL C	OLLISION 6:	
HIGHWAY ALIGNMENT from km 883+700.00 to km 883+925.00 Collicion 7 - material 12.5.07.01 15.4.1. PVC pipe, 1x0110 mm m 460 12.5.07.02 15.4.1. Pug for pipe, Ø110 mm pcs. 2 12.5.07.03 15.4.1. Comb for two pipes, Ø110 mm pcs. 230 12.5.07.04 15.4.1. PVC cable shield, 1 m pcs. 230 12.5.07.05 15.4.1. Concrete post for marking straight cable route pcs. 3 12.5.07.06 15.4.1. Concrete post for marking turning points in cable route pcs. 2 12.5.07.07 15.4.1. Sand m 230 1 12.5.07.08 15.4.1. Sand m 230 1 12.5.07.10 12.5.07.10 Detection of the existing cable routes by cable detector and more acting m 230 1 12.5.07.11 15.4.2.2. Routing m 230 1 12.5.07.13 12.5.07.14 Manual excavation of 0.6 m x 1.2 m trench in III category earth in layers 25 1	12.5.07.00	COLLISION 7 -	THE EXISTING TELECOMMUNICATION OPTIC CA	BLE RUN	INING IN PA	RALLEL WI	TH PLANNED
12.5.07.01 15.4.1. PVC pipe, $1x0110$ m 460 12.5.07.02 15.4.1. Plug for pipe, $0/110$ mm pcs. 2 12.5.07.03 15.4.1. Comb for two pipes, $0/110$ mm pcs. 2 12.5.07.04 15.4.1. PVC cable shield, 1 m pcs. 25 12.5.07.05 15.4.1. Concrete post for marking straight cable route pcs. 3 12.5.07.06 15.4.1. Concrete post for marking turning points in cable route pcs. 2 12.5.07.06 15.4.1. Identification and warning tape with aluminum backing m 230 12.5.07.08 15.4.1. Sand m³ 41.4 Concrete post for marking turning points in cable route 12.5.07.09 15.4.2.2. Routing m 230 12.5.07.10 12.5.07.10 Detection of the existing cable routes by cable detector and megazing out. m 230 12.5.07.11 15.4.2.2. Manual excavation of 0.6 m x 1.2 m trench in III category earth m 230 12.5.07.13 12.5.07.13 12.5.07.14 15.4.2.2. Spreading of sand in trench m 230							
12.5.07.0215.4.1.m46012.5.07.0315.4.1.Plug for pipe, Ø110 mmpcs.212.5.07.0415.4.1.Comb for two pipes, Ø110 mmpcs.2512.5.07.0415.4.1.PVC cable shield, 1 mpcs.23012.5.07.0515.4.1.Concrete post for marking straight cable routepcs.312.5.07.0615.4.1.Concrete post for marking turning points in cable routepcs.312.5.07.0715.4.1.Concrete post for marking turning points in cable routepcs.212.5.07.0815.4.1.Concrete post for marking turning points in cable routepcs.212.5.07.0915.4.2.Sandm³41.4Collision 7 - worksm230perceing out.12.5.07.1012.5.07.10Detection of the existing cable routes by cable detector and m perceing out.m23012.5.07.1115.4.2.2.Routingm23012.5.07.1215.4.2.2.Routingm23012.5.07.1312.5.07.13Packfilling of 0.6 m x 1.2 m trench in III category earthm23012.5.07.1415.4.2.2.Spreading of sand in trenchpcs.2512.5.07.1515.4.2.2.Spreading of sand in trenchm23012.5.07.1612.5.07.16Pheging of 0110 mm pipepcs.212.5.07.1715.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.m23012.5.07.1415.4.2.3.Placing conc			DVC mine 1 v Ø110				Γ
12.5.07.0315.4.1. $pcs.$ 212.5.07.0415.4.1.Comb for two pipes, Ø110 mm $pcs.$ 2512.5.07.0515.4.1.PVC cable shield, 1 m $pcs.$ 23012.5.07.0615.4.1.Concrete post for marking straight cable route $pcs.$ 312.5.07.0615.4.1.Concrete post for marking turning points in cable route $pcs.$ 212.5.07.0715.4.1.Concrete post for marking turning points in cable route $pcs.$ 212.5.07.0815.4.1.Concrete post for marking turning points in cable route $pcs.$ 212.5.07.0815.4.1.Sandm³41.4Collision 7 - works12.5.07.1012.5.07.10Detection of the existing cable routes by cable detector and peging out.m23012.5.07.1115.4.2.2.Manual excavation of 0.6 m x 1.2 m trench in III category earth earth in hayers.m23012.5.07.1312.5.07.13Placing combs into trenchm23012.5.07.1415.4.2.2.Spreading of sand in trenchm23012.5.07.1515.4.2.2.Spreading of sand in trenchm23012.5.07.1415.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.m23012.5.07.1612.5.07.16Placing concrete post for marking pipe ends and turning points in cable route.pcs.212.5.07.1415.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.pcs.5 <td>12.5.07.01</td> <td>15.4.1.</td> <td></td> <td>m</td> <td>460</td> <td></td> <td></td>	12.5.07.01	15.4.1.		m	460		
12.5.07.0315.4.1.Comb for two pipes, $\emptyset 110 \text{ mm}$ pcs.2512.5.07.0415.4.1.PVC cable shield, 1 mpcs.23012.5.07.0515.4.1.Concrete post for marking straight cable routepcs.312.5.07.0615.4.1.Concrete post for marking turning points in cable routepcs.312.5.07.0715.4.1.Concrete post for marking turning points in cable routepcs.212.5.07.0815.4.1.Concrete post for marking turning points in cable routepcs.212.5.07.0815.4.1.Sandm³41.4Collision 7 - works12.5.07.1012.5.07.10Detection of the existing cable routes by cable detector and pegging out.m23012.5.07.1115.4.2.2.Moutingm23023012.5.07.1215.4.2.2.Manual excavation of 0.6 m x 1.2 m trench in III category m23023012.5.07.1312.5.07.1312.5.07.13Placing combs into trenchm23012.5.07.1415.4.2.2.Spreading of sand in trenchm23023012.5.07.1515.4.2.3.Spreading of sand in trenchm23023012.5.07.1612.5.07.16Placing concrete post for marking pipe ends and turning pipe.pcs.212.5.07.1715.4.2.3.Placing concrete post for marking pipe ends and turning pipe.pcs.512.5.07.1815.5.2.Electrical measurements on optic cable after protection pc.1112.5.07.1912.5.	12.5.07.02	15.4.1.	Plug for pipe, Ø110 mm	pcs.	2		
12.5.07.0415.4.1.PVC cable shield, 1 mpcs.23012.5.07.0515.4.1.Concrete post for marking straight cable routepcs.312.5.07.0615.4.1.Concrete post for marking straight cable routepcs.212.5.07.0715.4.1.Concrete post for marking turning points in cable routepcs.212.5.07.0815.4.1.Sandm23012.5.07.0815.4.1.Sandm341.4Collision 7 - worksDetection of the existing cable routes by cable detector and peging out.m23012.5.07.1012.5.07.10Detection of the existing cable routes by cable detector and peging out.m23012.5.07.1215.4.2.2.Moutingm23012.5.07.1312.5.07.13Packfilling of 0.6 m x 1.2 m trench in III category earth in layersm23012.5.07.1415.4.2.2.Spreading of sand in trenchm23012.5.07.1515.4.2.2.Spreading of sand in trenchm23012.5.07.1612.5.07.16Placing combs into trenchpcs.2512.5.07.1612.5.07.16Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1815.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1912.5.07.19Preparation of as-built technical documentation pc.m23012.5.07.1912.5.07.20I2.5.07.20Geodetic surveys and mapping up to 1 km<	12.5.07.03	15.4.1.	Comb for two pipes, Ø110 mm				
12.5.07.0515.4.1.Concrete post for marking straight cable routepcs.312.5.07.0615.4.1.Concrete post for marking turning points in cable routepcs.212.5.07.0715.4.1.Concrete post for marking turning points in cable routepcs.212.5.07.0815.4.1.Concrete post for marking turning points in cable routepcs.212.5.07.0815.4.1.Sandm230Collision 7 - worksTextureTexturem23012.5.07.1012.5.07.10Detection of the existing cable routes by cable detector and pegging out.m23012.5.07.1115.4.2.2.Routingm23012.5.07.1215.4.2.2.Manual excavation of 0.6 m x 1.2 m trench in III category earth in layersm23012.5.07.1312.5.07.1312.5.07.1415.4.2.2.Spreading of sand in trenchm23012.5.07.1415.4.2.2.Spreading of sand in trenchm23012.5.07.1412.5.07.1612.5.07.1612.5.07.16Plaging of 0/10 mm pipepcs.212.5.07.1612.5.07.1715.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1212.5.07.1815.5.2.Electrical measurements on optic cable after protection pc.pc.11.2.6612.5.07.1912.5.07.00Geodetic surveys and mapping up to 1 kmm2301.2.66	12.5.07.04	15.4.1.	PVC cable shield, 1 m				
12.5.07.0615.4.1.Concrete post for marking turning points in cable routepcs.212.5.07.0715.4.1.Identification and warning tape with aluminum backing mm23012.5.07.0815.4.1.Sandm³41.4Collision 7 - works12.5.07.0915.4.2.2.Routingm23012.5.07.1012.5.07.10Detection of the existing cable routes by cable detector and pegging out.m23012.5.07.1115.4.2.2.Routingm23012.5.07.1215.4.2.2.Backfilling of 0.6 m x 1.2 m trench in III category earth in layersm23012.5.07.1312.5.07.13Placing combs into trenchm23012.5.07.1415.4.2.2.Spreading of sand in trenchm23012.5.07.1515.4.2.2.Spreading of sand in trenchm23012.5.07.1612.5.07.16Placing concrete post for marking pipe ends and turning points in cable route.pcs.212.5.07.1715.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1912.5.07.1912.5.07.19Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1912.5.07.1912.5.07.19Preparation of as-built technical documentation mm23012.5.07.2012.5.07.20Geodetic surveys and mapping up to 1 km12.66	12.5.07.05	15.4.1.	Concrete post for marking straight cable route	pcs.	230		
12.5.07.0715.4.1.Concrete post for marking turning points in cable routepcs.212.5.07.0815.4.1.Sandm230Collision 7 - works12.5.07.0915.4.2.2.12.5.07.1012.5.07.10Detection of the existing cable routes by cable detector and peging out.m23012.5.07.1115.4.2.2.Manual excavation of 0.6 m x 1.2 m trench in III category earth mm23012.5.07.1215.4.2.2.Manual excavation of 0.6 m x 1.2 m trench in III category earth mm23012.5.07.1312.5.07.13Placing combs into trenchm23012.5.07.1415.4.2.2.Spreading of sand in trenchm23012.5.07.1515.4.2.2.Spreading of sand in trenchm23012.5.07.1612.5.07.16Placing concrete post for marking pipe ends and turning points in cable route.m23012.5.07.1715.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1815.5.2.Electrical measurements on optic cable after protection pcs.pc.112.5.07.1912.5.07.19Preparation of as-built technical documentation m230	12 5 07 06	1541		pcs.	3		
12.5.07.0815.4.1.Identification and warning tape with aluminum backing Sandm230Collision 7 - works12.5.07.0915.4.2.2.Routingm23012.5.07.1012.5.07.1012.5.07.10Detection of the existing cable routes by cable detector and peging out.m23012.5.07.1115.4.2.2.Manual excavation of 0.6 m x 1.2 m trench in III category earthm23012.5.07.1215.4.2.2.Backfilling of 0.6 m x 1.2 m trench and compaction of earth in layersm23012.5.07.1312.5.07.13Placing combs into trenchm23012.5.07.1415.4.2.2.Spreading of sand in trenchm23012.5.07.1515.4.2.2.Itaying and casing the existing Ø40 PE hoses into Ø110 pipes in excavated trenchm23012.5.07.1715.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1815.5.2.Electrical measurements on optic cable after protection pc.1112.5.07.1912.5.07.19Preparation of as-built technical documentation mm23012.5.07.2012.5.07.20Geodetic surveys and mapping up to 1 km11-266			Concrete post for marking turning points in cable route	pcs.	2		
Collision 7 - worksm³41.4Collision 7 - works12.5.07.0915.4.2.2.Routingm23012.5.07.1012.5.07.10Detection of the existing cable routes by cable detector and pegging out.m23012.5.07.1115.4.2.2.Manual excavation of 0.6 m x 1.2 m trench in III category earthm23012.5.07.1215.4.2.2.Backfilling of 0.6 m x 1.2 m trench and compaction of m23012.5.07.1312.5.07.13Placing combs into trenchm23012.5.07.1415.4.2.2.Spreading of sand in trenchm23012.5.07.1515.4.2.2.Laying and casing the existing Ø40 PE hoses into Ø110m46012.5.07.1612.5.07.16Plugging of Ø110 mm pipepcs.212.5.07.1715.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1915.5.2.Electrical measurements on optic cable after protectionpc.112.5.07.1912.5.07.19Preparation of as-built technical documentationm23012.5.07.2012.5.07.20Geodetic surveys and mapping up to 1 km1-266	12.5.07.07	15.4.1.	Identification and warning tape with aluminum backing	m	230		
Collision 7 - works12.5.07.0915.4.2.2.Routingm23012.5.07.1012.5.07.10Detection of the existing cable routes by cable detector and peging out.m23012.5.07.1115.4.2.2.Manual excavation of 0.6 m x 1.2 m trench in III category earth Backfilling of 0.6 m x 1.2 m trench and compaction of earth in layersm23012.5.07.1215.4.2.2.Backfilling of 0.6 m x 1.2 m trench and compaction of earth in layersm23012.5.07.1312.5.07.13Placing combs into trenchm23012.5.07.1415.4.2.2.Spreading of sand in trenchm23012.5.07.1515.4.2.2.Laying and casing the existing Ø40 PE hoses into Ø110 pipes in excavated trenchm46012.5.07.1612.5.07.16Plugging of Ø110 mm pipepcs.212.5.07.1715.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1912.5.07.1912.5.07.20Geodetic surveys and mapping up to 1 kmm230	12.5.07.08	15.4.1.	Sand	m ³	41.4		
12.5.07.1012.5.07.10Detection of the existing cable routes by cable detector and pegging out.m23012.5.07.1115.4.2.2.Backfilling of $0.6 \text{ m x } 1.2 \text{ m trench in III category}earthm23012.5.07.1215.4.2.2.Backfilling of 0.6 \text{ m x } 1.2 \text{ m trench and compaction of}earth in layersm23012.5.07.1312.5.07.13Placing combs into trenchm23012.5.07.1415.4.2.2.Spreading of sand in trenchm23012.5.07.1515.4.2.2.Spreading of sand in trenchm23012.5.07.1612.5.07.16Plugging of Ø110 mm pipem46012.5.07.1715.4.2.3.Placing concrete post for marking pipe ends and turningpoints in cable route.pcs.512.5.07.1912.5.07.19Preparation of as-built technical documentationm23012.5.07.2012.5.07.20Geodetic surveys and mapping up to 1 km1.266$	Collision 7 – work	is is in the second sec			71.7		
12.5.07.1012.5.07.10Detection of the existing cable routes by cable detector and pegging out.m23012.5.07.1115.4.2.2.Manual excavation of 0.6 m x 1.2 m trench in III category earthm23012.5.07.1215.4.2.2.Backfilling of 0.6 m x 1.2 m trench and compaction of earth in layersm23012.5.07.1312.5.07.13Placing combs into trenchm23012.5.07.1415.4.2.2.Spreading of sand in trenchm23012.5.07.1515.4.2.2.Laying and casing the existing Ø40 PE hoses into Ø110 pipes in excavated trenchm46012.5.07.1612.5.07.16Placing concrete post for marking pipe ends and turning points in cable route.pcs.212.5.07.1815.5.2.Electrical measurements on optic cable after protection pres.pc.112.5.07.1912.5.07.19Preparation of as-built technical documentationm23012.5.07.2012.5.07.2012.5.07.20Geodetic surveys and mapping up to 1 km1.266	12.5.07.09	15.4.2.2.	Routing		220		
12.5.07.1115.4.2.2.Manual excavation of 0.6 m x 1.2 m trench in III category earthm23012.5.07.1215.4.2.2.Backfilling of 0.6 m x 1.2 m trench and compaction of earth in layersm23012.5.07.1312.5.07.1312.5.07.13Placing combs into trenchpcs.2512.5.07.1415.4.2.2.Spreading of sand in trenchm23012.5.07.1515.4.2.2.Laying and casing the existing Ø40 PE hoses into Ø110 pipes in excavated trenchm46012.5.07.1612.5.07.1612.5.07.16Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1915.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1912.5.07.19Preparation of as-built technical documentationm23012.5.07.2012.5.07.20Geodetic surveys and mapping up to 1 km1-266	12.5.07.10	12.5.07.10					
12.5.07.1215.4.2.2.Backfilling of 0.6 m x 1.2 m trench and compaction of earth in layersm23012.5.07.1312.5.07.1312.5.07.13Placing combs into trenchpcs.2512.5.07.1415.4.2.2.Spreading of sand in trenchm23012.5.07.1515.4.2.2.Laying and casing the existing Ø40 PE hoses into Ø110m46012.5.07.1612.5.07.1612.5.07.16Plugging of Ø110 mm pipepcs.212.5.07.1715.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1815.5.2.Electrical measurements on optic cable after protection pc.pc.112.5.07.1912.5.07.19Preparation of as-built technical documentationm23012.5.07.2012.5.07.20Geodetic surveys and mapping up to 1 km1.266	12.5.07.11	15.4.2.2.		m	230		
12.5.07.1312.5.07.13m23012.5.07.1412.5.07.13Placing combs into trenchpcs.2512.5.07.1415.4.2.2.Spreading of sand in trenchm23012.5.07.1515.4.2.2.Laying and casing the existing Ø40 PE hoses into Ø110m46012.5.07.1612.5.07.16Plugging of Ø110 mm pipepcs.212.5.07.1715.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1815.5.2.Electrical measurements on optic cable after protection Preparation of as-built technical documentationm23012.5.07.2012.5.07.20Geodetic surveys and mapping up to 1 km1-266	12.5.07.12	15.4.2.2.		m	230		
12.5.07.1415.4.2.2.Spreading of sand in trenchpcs.2512.5.07.1515.4.2.2.Laying and casing the existing Ø40 PE hoses into Ø110 pipes in excavated trenchm23012.5.07.1612.5.07.1612.5.07.16Plugging of Ø110 mm pipepcs.212.5.07.1715.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1815.5.2.Electrical measurements on optic cable after protection mpc.112.5.07.1912.5.07.20Geodetic surveys and mapping up to 1 kmm230	12 5 07 13	12 5 07 13	earth in layers	m	230		
12.5.07.1515.4.2.2.Laying and casing the existing \emptyset 40 PE hoses into \emptyset 110m23012.5.07.1612.5.07.1612.5.07.16Plugging of \emptyset 110 mm pipepcs.212.5.07.1715.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1815.5.2.Electrical measurements on optic cable after protection mpc.112.5.07.1912.5.07.19Preparation of as-built technical documentation mm23012.5.07.2012.5.07.20Geodetic surveys and mapping up to 1 km1-266				pcs.	25		
12.5.07.16pipes in excavated trenchm46012.5.07.1612.5.07.16Plugging of Ø110 mm pipepcs.212.5.07.1715.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1815.5.2.Electrical measurements on optic cable after protection mpc.112.5.07.1912.5.07.19Preparation of as-built technical documentation mm23012.5.07.2012.5.07.20Geodetic surveys and mapping up to 1 km1-266				m	230		
12.5.07.1612.5.07.16Plugging of Ø110 mm pipepcs.212.5.07.1715.4.2.3.Placing concrete post for marking pipe ends and turning points in cable route.pcs.512.5.07.1815.5.2.Electrical measurements on optic cable after protection mpc.112.5.07.1912.5.07.19Preparation of as-built technical documentation mm23012.5.07.2012.5.07.20Geodetic surveys and mapping up to 1 km1-266	12.5.07.15	15.4.2.2.		m	460		
12.5.07.17 15.4.2.3. Placing concrete post for marking pipe ends and turning points in cable route. pcs. 5 12.5.07.18 15.5.2. Electrical measurements on optic cable after protection pc. 1 12.5.07.19 12.5.07.19 Preparation of as-built technical documentation m 230 12.5.07.20 12.5.07.20 Geodetic surveys and mapping up to 1 km 1.266	12.5.07.16	12.5.07.16		nes	2.		
12.5.07.18 15.5.2. Electrical measurements on optic cable after protection pc. 1 12.5.07.19 12.5.07.19 Preparation of as-built technical documentation m 230 12.5.07.20 12.5.07.20 Geodetic surveys and mapping up to 1 km 1.266	12.5.07.17	15.4.2.3.					
12.5.07.19 12.5.07.20 12.5.07.20 Preparation of as-built technical documentation m 230 12.5.07.20 12.5.07.20 Geodetic surveys and mapping up to 1 km 1.266	12.5.07.18	15.5.2.		pcs.			
12.5.07.20 12.5.07.20 Geodetic surveys and mapping up to 1 km m 230 1-266	12.5.07.19	12.5.07.19		pc.	1		
				m	230		4.000
	12.3.07.20	12.3.07.20	Geodetic surveys and mapping up to 1 Kill	m	230		1-266

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total		
12.5.07.21	15.4.1.	Placing identification and warning tape with aluminum						
		backing	m	955				
	TOTAL COLLISION 7:							

Summary DESIGN FOR DISPLACEMENT AND PROTECTION OF THE EXISTING TELECOMMUNICATION SYSTEM	
12.5.04.00 COLLISION 4 - THE EXISTING TELECOMMUNICATION OPTIC CABLE RUNNING IN PARALLEL WITH PLANNED HIGHWAY ALIGNMENT from 881+175.00 km to 881+475.00 km	
12.5.05.00 COLLISION 5 - THE EXISTING TELECOMMUNICATION OPTIC CABLE RUNNING IN PARALLEL WITH PLANNED HIGHWAY ALIGNMENT at 882+875.00	
12.5.06.00 COLLISION 6 - THE EXISTING TELECOMMUNICATION OPTIC CABLE RUNNING IN PARALLEL WITH PLANNED HIGHWAY ALIGNMENT at 883+125.00	
12.5.07.00 COLLISION 7 - THE EXISTING TELECOMMUNICATION OPTIC CABLE RUNNING IN PARALLEL WITH PLANNED HIGHWAY ALIGNMENT from km 883+700.00 to km 883+925.00	
TOTAL DESIGN FOR DISPLACEMENT AND PROTECTION OF THE EXISTING TELECOMMUNICATION SYSTEM	

DESIGN OF OCS RECONSTRUCTION AND OVERPASS EARTHING

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
12.6.01.00		DISMANTLING			I I	
12.6.01.01	12.6.01.01	Dismantling of masts and breaking up mast foundations.		10.5		
12 6 01 02	12 6 01 02		kg	425		
12.6.01.02	12.6.01.02	Displacement of catenary equipment to new cantilevers	1	0.25		
12.6.01.03	12.6.01.03	Replacement of droppers in the contact equipment	km	0.35		
12.0.01.03	12.6.01.03	Replacement of droppers in the contact equipment	km	0.35		
12.6.01.04	12.6.01.04	Dismantling of complete single cantilever assembly with	KIII	0.55		
12.0.01.04	12.0.01.04	brackets	pcs.	7		
12.6.01.05	12.6.01.05	Dismantling of the existing earth conductors	pes.	,		
12.0.01.05	12.0.01.05	Distillations of the existing early conductors	pcs.	2		
		TOTAL DISMANTLING O		1	OUIPMENT	
			r const	RUCTIONE		
12.6.02.00	12 < 02 01	EARTH WORKS				
12.6.02.01	12.6.02.01	Marking of mast foundations, portals and anchors				
		including removal and replacement of crushed stone for	n 00	2		
12.6.02.02	12.6.02.02	ballast bed Excavation of foundation pits for masts, portals, and	pcs.	2		
12.0.02.02	12.0.02.02	anchors, 0-2 m deep without strutting in:				
			m ³	4.1		
12 < 02 02	12 < 02 02	a. II-III soil category	m	4.1		
12.6.02.03	12.6.02.03	Backfilling and compaction of earth around foundations,				
		spreading and compaction of remaining earth around	m ³	0.7		
12.6.02.04	12.6.02.04	foundations. Haulage of surplus material of all categories with loading	III	0.7		
12.0.02.04	12.0.02.04	and unloading to the distance of:				
		a. 5-20 m	m ³	2.4		
		a. 5-20 m		3.4		
				TOTAL EAR	TH WORKS:	
12.6.03.00		CONCRETING				
12.6.03.01	12.6.03.01	Casting of foundations for masts, portals and anchors with				
		concrete MB15. Concrete shall be mixed mechanically				
		and compacted by poker vibrator.	2			
			m ³	4.7		
12.6.03.02	12.6.03.02	Increase of concreting costs for shuttering.	2			
			m ²	5.9		
12.6.03.03	12.6.03.03	Finishing of exposed foundation faces with 2 cm thick	2			
	10 6 00 0 1	coat on average of cement mortar 1:3 mix.	m ²	6.3		
12.6.03.04	12.6.03.04	Delivery and installation of anchors for footed masts m		0		
		36/830 mm.	pcs.	8		
				TOTAL CO	ONCRETING:	
12.6.04.00		MAST AND PORTALS				
12.6.04.01	12.6.04.01	Delivery and erection of all masts.				
			kg	468		
12.6.04.02	12.6.04.02	Inscription of marks on masts including TOR height, mast				
		number and distance between inner mast face and the				
		track centre line.	pcs.	2		
			ТОТА	L MAST AN	D PORTALS:	
12.6.05.00		ELECTRICAL AND INSTALLATION WORKS			ļ	
12.6.05.01	12.6.05.01	Complete single cantilever assembly with brackets for				
		twin channel mast or equipment support:				
		a. Delivery of material and equipment				
			pcs.	7		
		b. Installation				
				7		
			pcs.	/		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
12.6.06.00		RETURN CONDUCTOR AND EARTHING				
12.6.06.01	12.6.06.01	Delivery and fitting of rail bond of bare copper strand, 35				
		mm2 section. Measurement and payment per each rail				
		bond of:				
		b. L= 220 mm	pcs.	80		
12.6.06.02	12.6.06.02	Delivery and fitting of complete spark-gap for earthing of				
		metal structures. Measurement and payment per one spark-				
		gap.	pcs.	3		
12.6.06.03	12.6.06.03	Delivery and installation of bare galvanized iron strand, 95				
		mm2 section, on supports for connecting metallic				
		structures to be earthed.				
		Measurement per:				
		a. one strand	pcs.	9		
		b. meter of strand length	m'	145		
12.6.06.04	12.6.06.04	Delivery and fitting of earthing assembly for OCS				
		supporting structures or other metallic structures out of				
		tunnels to rail of bare galvanized iron strand, 95 mm2				
		section, buried in the formation. The strand is fitted with				
		cable shoe at one end and the other end is welded to rail.				
		Measurement per one earthing strand of:				
		a. L=3500 mm	pc.	1		
		b. L=5000 mm	pc.	1		
		c. Variable length of:		2		
		- one strand	pcs.	3		
			m'	40		
12.6.06.05	12.6.06.05	- meter of strand length	m	40		
12.6.06.05	12.0.06.05	Delivery and installation of angles 50x50x1600 mm to		6		
1260606	12 6 06 06	serve as mechanical protection. Delivery and placing of plate with electrical hazard	pcs.	0		
12.6.06.06	12.6.06.06			8		
Į		warning sign according to YR catalogue 951101	pcs.			
		TOTAL RETURN	N CONDU	CTOR AND	EARTHING:	
12.6.07.00		SUNDRIES				
12.6.07.01	12.6.07.01	Inspection of completed works and OCS energizing.				
				lump sum	1	
12.6.07.02	12.6.07.02	Works on the existing 25 kV electrical network and safety				
		measures on the site.		lump sum	ı	
				ΤΟΤΑΙ	SUNDRIES:	

SUMMARY DESIGN OF OCS RECONSTRUCTION AND OVERPASS EARTHING	
12.6.01.00 DISMANTLING	
12.6.02.00 EARTH WORKS	
12.6.03.00 CONCRETING	
12.6.04.00 MAST AND PORTALS	
12.6.05.00 ELECTRICAL AND INSTALLATION WORKS	
12.6.06.00 RETURN CONDUCTOR AND EARTHING	
12.6.07.00 SUNDRIES	
TOTAL DESIGN OF OCS RECONSTRUCTION AND OVERPASS EARTHING:	

08.02. TELECOMMUNICATION INSTALLATIONS – CIVIL ENGINEERING PART

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.02.01.01.		EARTH WORKS				
08.02.01.01.01.	13.2.2.	Excavation of II and III category earth with all needed				
		supports and transport to stockpiling area.				
		Payment per m3 of "net" excavated earth	m ³	144		
08.02.01.01.02.	08.02.01.01.02.	Placing and compaction of 10 cm thick sub-base made of				
		gravel and sand mix around telephone manhole.				
		-	m ³	2.7		
08.02.01.01.03.	13.2.4.	Backfilling of over-excavated area with earth in 30 cm				
		thick layers including compaction of each layer to modulus				
		of compressibility Ms=30 MPa and backfilling of				
		abandoned manholes.				
		Payment per m ³ of compacted earth	m³	110.25		
TOTAL EARTH WORKS:						

Item No.	T.S.	Work Description WORKS ON PLAIN AND REINFORCED CONCRET	Unit	Quantity	Unit Price	Total
08.02.01.02. 08.02.01.02.01.	8.10.	10 cm thick blinding course made of lean concrete MB15				
00.02.01.02.01.	0.10.	under the bottom plate.	m ³	3.7		
08.02.01.02.02.	8.10.	10 cm thick layer made of lean concrete MB 20 around				
		telephone manholes to serve as a platform for any				
		installation and urgent works on telecommunication cable				
00.02.01.02.02	0.10	conduits.	m ³	4.23		
08.02.01.02.03.	8.10.	Reinforced concrete MB 30, V-6 impermeability, M-150 frost resistance for bottom manhole plate.	m³	5.4		
08.02.01.02.04.	8.10.	Reinforced concrete MB 30, V-6 impermeability, M-150		5.4		
00.02.01.02.04.	0.10.	frost resistance for 15 cm thick manhole walls.	m ³	16.2		
08.02.01.02.05.	8.10.	Sloping layer of lean concrete MB 15 and 10 cm thick				
		leveling layer of lean concrete MB 15 under the bottom				
		plate.	m ³	0.72		
		TOTAL WORKS ON PLAIN	NAND REI	NFORCED	CONCRETE:	
08.02.01.03.		REINFORCEMENT WORKS	1	1	1	ſ
08.02.01.03.01.	13.5.1.	Measurement includes all labor, procurement and				
		transport, wire-brushing, cutting, mechanical bending and fixing of reinforcing bars according to designed details and				
		quality.				
		Payment per kg of fixed reinforcing bars				
		RA 400/500-2.	kg	2693		
				TODOENT	ENT WORKS:	
08.02.01.04.		MASONRY WORKS	TAL KEII	TORUENII	ATT WORKS:	
08.02.01.04.01	08.02.01.04.01	Making wall of bricks laid on edge in cement mortar to				
		protect vertical waterproofing layer.				
		Payment per m ² of protected surface. The price includes				
		procurement and transport of all needed material and	2	1.1.1		
		masonry.	m²	144		
		1	ТОТ	AL MASON	NRY WORKS:	
08.02.01.05.	00.02.01.05.01	SUNDRIES Placing waterproofing layer of bitulite, two coats of hot			1	[
08.02.01.05.01	08.02.01.05.01	bitumen and one coat of "Condor IV" band over external				
		concrete surfaces.				
		Payment per m ² of finished and protected surface. The				
		price includes procurement, transport and incorporation of				
		materials, overlappings and all works in situ.	m²	166		
08.02.01.05.02	08.02.01.05.02	Procurement, transport and fitting of lids for telephone manholes.				
		Payment per one fully fitted lid for heavy traffic with a				
		frame for double lid.	pcs.	20		
08.02.01.05.03	08.02.01.05.03					
		Making funnel-like openings for newly designed manholes				
09 02 01 05 04	00.02.01.05.04	- 2 Ø 110 pipes Delivery and mounting of prefabricated cantilevers and	pcs.	20		
08.02.01.05.04	08.02.01.05.04	cantilever supports				
		Cantilever supports - 2 per one manhole	pcs.	40		
		Cantilevers - (1 per one support)	pcs.	40		
				TOTAL	L SUNDRIES:	
			ΤΟΤΑΙ		ES (08.02.01.):	
08.02.02. Telecom	munication cable	conduit route	10111		(000000010)1	
08.02.02.01.		MATERIAL		-		
08.02.02.01.01	15.4.2.1.	Plug for PVC pipes, Φ110 mm		11.2		
08 02 02 01 02	15 4 2 1	Comb for 2 PVC pipes, Φ110 mm	pcs.	116		
08.02.02.01.02	15.4.2.1.	Como tor 2 r v C pipes, W110 mm	pcs.	266		
08.02.02.01.03	15.4.2.1.	PVC pipe, Φ110 mm, L=6.00 m	pes.	200		1
			pcs.	89		
08.02.02.01.04	15.4.2.1.	Comb for 4 HDPE pipe, Φ50 mm				
00.02.02.01.5=	10 10 1		pcs.	4,601		
08.02.02.01.05	15.4.2.1.	HDPE pipe, 4xΦ50 mm	m'	18,404		
08.02.02.01.06	15.4.2.1.	Rubber ring for PVC pipes, Φ110 mm	111	10,404		
		C rr	pcs.	89		
08.02.02.01.07	15.4.2.2.	Yellow warning tape for P.O. cables, 8 cm				
			kg	348		
08.02.02.02.		EARTH WORKS		TOTA	L MATERIAL:	
08.02.02.02.01	15.4.2.2.	Excavation of III category earth to depth of 2 m				
55.02.02.02.01	13.7.2.2.	90% mechanical excavation	m ³	2,718		
			111	2,/10		
		10% hand excavation	m ³	302		
			•			
			· · ·	17 Y I A I I A I	RTH WORKS:	

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
08.02.02.03.		BUILDING MATERIAL				
08.02.02.03.01	15.4.2.2.	Procurement and transport of sand to telecommunication				
		cable conduit route.	m ³	1,430		
			TOTAL	BUILDING	MATERIAL:	
08.02.02.04.		WORKS ON TELECOMMUNICATION CABLE ROU	JTE			
08.02.02.04.01.	15.4.2.2.	Routing				
		-	m	4,868		
08.02.02.04.02.	15.4.2.2.	Backfilling with sand of trench bottom for				
		telecommunication cable conduit and area around and				
		above PVC pipe including wetting and compaction.				
			m ³	1,430		
08.02.02.04.03.	15.4.2.2.	Backfilling of trench for telecommunication cable conduit,				
		area next to manhole and trench under the pavement with				
		over-excavated material including compaction in 20 cm				
		thick layers.	m ³	1,640		
08.02.02.04.04.	15.4.2.2.	Haulage of surplus material				
			m ³	1,590		
08.02.02.04.05.	15.4.2.1.	Laying of 4 HDPE pipes, Φ50				
			m	18,404		
08.02.02.04.06.	15.4.2.1.	Laying of 2 pipes, \$\$\phi10\$ mm into excavated trench.				
			m	533		
08.02.02.04.07.	15.4.2.2.	Placing a warning tape.				
			m	4,868		
08.02.02.04.08.	15.4.2.1.	Sealing of pipes, \$\$\phi110 mm\$\$				
			pcs.	116		
		TOTAL WORKS ON TELECO	OMMUNIC	CATION CAL	BLE ROUTE:	
		TOTAL TELECOMMUNICATION CA	BLE CON	DUIT ROUT	TE (08.02.02.):	

08.02. Summary – telecommunication installations – civil engineering part	
08.02.01. MANHOLES	
08.02.02. TELECOMMUNICATION CABLE CONDUIT ROUTE	
TOTAL telecommunication installations – civil engineering part (08.02.):	

12.09. Displacement and protection of lineside telecommunication cables

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
Note: All items rela	ted to material inclu	ude delivery.				
12.09.04.	COLLISION 4 - 1	ITEMS OF THE BILL OF QUANTITIES ARE NOT AV	VAILABLE	E		
12.09.05.	COLLISION 5 -	Cables are affected by construction of embankment on th	ne left track	x side		
12.09.05.01. Collisi	ion 5 - material					
12.09.05.01.01	15.4.1.	STA cable				
			m	420		
12.09.05.01.02	15.4.1.	SPZ 21x0.9				
			m	420		
12.09.05.01.03	15.4.1.	PNK				
			m	420		
12.09.05.01.04	15.4.1.	Straight joint on STA cable, code N1626, without				
		measurement of coupling, accessories and material				
		included.	pc.	2		
12.09.05.01.05	15.4.1.	Pupinized joint on STA cable with measurement of				
		coupling and making diagram of crossing points,				
		accessories and material included.	pc.	1		
12.09.05.01.06	15.4.1.	Joint on SPZ cable with heat-shrink coupling				
			pc.	2		
12.09.05.01.07	15.4.1.	Joint on PNK cable with heat-shrink coupling				
10.00.05.01.00			pc.	2		
12.09.05.01.08	15.4.1.	Brick for separation of PNK cables from other cables in a		2200		
10 00 05 01 00	12 00 05 01 00	trench	pc.	2280		
12.09.05.01.09	12.09.05.01.09	Yellow PVC pipes, 110 mm dia., 6 m long		0		
12.09.05.01.10	15.4.1.	Sand	pc.	8		
12.09.05.01.10	15.4.1.	Sand	m ³	29		
			TOTAL	COLLISIO	N 5 - material:	
12.09.05.02. Collisi	ion 5 - works					
12.09.05.02.11	15.4.2.2.	Routing				
			m	420		
12.09.05.02.12	15.4.2.2.	Excavation of 0.8x0.5 m trench, placing PVC shields and				
		yellow PVC warning tape, backfilling and compaction in				
		minimum three layers and haulage of surplus earth to				
		specified stockpiling area.	m	420		
12.09.05.02.13	12.09.05.02.13	Construction of passage under the track.				
			m	10		
12.09.05.02.14	15.4.2.3	Laying STA cable in a trench				
			m	420		1-270

12.09.50.216 15.4.2.3 Laying PNC colde in a reach n d2.00 12.09.05.0216 15.4.2.3 Laying PNC colde in a reach a. 42.00	Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total	
12.109.05.02.17 12.09.05.02.1715.4.2.1 installation of signal calcile ian breach installation of granged calcile ian breach installation of granged calcile iand breach installation installation of granged calcile iand breach installation of grandee calcile iand breach installation of grandee calcile iand breach installation of grandee calcile iand breach<	12.09.05.02.15	15.4.2.3	Laying SPZ cable in a trench	m	420			
12.09.05.02.17 12.09.05.02.18Intuition of principle only principle only on STA cable without PCPC2PC12.09.05.02.18intuition of principle only.PC2PC12.09.05.02.19intuition of principle only.PC2PC12.09.05.02.10intuition of principle only.PC2PC12.09.05.02.10intuition of principle only.PC2.20PC12.09.05.02.21intuition of principle only.PC2.20PC12.09.05.02.21interprinciple only.PC2.200PC12.09.05.02.21interprinciple only.PCPCPC12.09.05.02.21interprinciple only.PCPCPC12.09.05.02.23interprinciple	12.09.05.02.16	15.4.2.3	Laying PNK cable in a trench		420			
12.09.05.02.1812.09.05.02.19Incallation of propinzed joint.p p p11112.09.05.02.10Incallation of joint on PNK cable.pc221112.09.05.02.11Valuation of joint on PNK cable.pc2211112.09.05.02.21Valuation of joint on PNK cable.pc22111 <t< td=""><td>12.09.05.02.17</td><td>12.09.05.02.17</td><td></td><td></td><td></td><td></td><td></td></t<>	12.09.05.02.17	12.09.05.02.17						
12.00.05.02.1912.00.85.02.10Includition of joint on SNZ calue.ProProProPro12.00.05.02.2012.00.95.02.20Pacing bricks in a solid recoratepc2280Image: Constraint of joint on SNX calue.pc2280Image: Constraint of joint on SNX calue.pc1mImage: Constraint of joint on SNX calue. <td>12.09.05.02.18</td> <td>12.09.05.02.18</td> <td>Installation of pupinized joint.</td> <td>pc.</td> <td>2</td> <td></td> <td></td>	12.09.05.02.18	12.09.05.02.18	Installation of pupinized joint.	pc.	2			
12.09.05.02.01 12.09.05.02.01 Installation of jour on PNK cable. pc. 2 2 1 12.09.05.02.21 12.09.05.02.21 Bigning Safety systems compl. 1	12.09.05.02.19	12.09.05.02.19	Installation of joint on SPZ cable.	pc.	1			
12.09.05.02.1 12.09.05.02.1 Pacing brick in a soldier course pc. 2.280 1 12.09.05.02.2 12.09.05.02.2 Spanlag soldy systems compl. 1	12.09.05.02.20	12.09.05.02.20	Installation of joint on PNK cable.	pc.	2			
pc. pc. <thp.< th=""> <thp.< th=""> <thp.< th=""></thp.<></thp.<></thp.<>			, , , , , , , , , , , , , , , , , , ,	pc.	2			
12.00.05.02.2[2.00.05.02.3][Signaling/safery systemscompl1.12.00.05.02.412.00.05.02.41Central artific controlcompl11.12.00.05.02.412.00.05.02.412.5 tation interiockingcompl1112.00.05.02.412.00.05.02.43. Level consuing controlcompl1112.00.05.02.712.00.05.02.23. Level consuing controlcompl1112.00.05.02.812.00.05.02.23. Selective dispatch system - adfirecompl1112.00.05.02.812.00.05.02.83. Selective dispatch system - adfirecompl1112.00.05.02.312.00.05.02.33. Selective dispatch system - adfirecompl11 <t< td=""><td>12.09.03.02.21</td><td>12.09.03.02.21</td><td></td><td>pc.</td><td>2280</td><td></td><td></td></t<>	12.09.03.02.21	12.09.03.02.21		pc.	2280			
12.09.05.02.23 12.09.05.02.24 1. Central traffic control compl. 1 12.09.05.02.24 12.09.05.02.24 2. Station interlocking compl. 1 12.09.05.02.25 12.09.05.02.25 3. Level crossing control compl. 1 12.09.05.02.26 11.09.05.02.26 11.09.05.02.26 11.09.05.02.26 11.09.05.02.26 12.09.05.02.28 12.09.05.02.28 11.09.05.02.28 11.01.95.05.02.06 10.00.05.02.27 12.09.05.02.29 12.09.05.02.20 2. Selective dispatch system compl. 1 12.09.05.02.30 12.09.05.02.31 15.5.2 Measurement of a color out by detector and recording. m 4.50 12.09.05.02.31 15.5.2 Measurement of Finished cable installation between two compl. 1 12.09.05.02.31 15.5.2 Measurement of Finished cable installation between two compl. 1 12.09.05.02.33 15.5.2 Measurement of Finished cable installation between two compl. 1 12.09.05.02.36 12.09.05.02.37 A-built design of ci	12.09.05.02.22	12.09.05.02.22						
12.09.05.02.24 12.09.05.02.24 2. Station interlocking compl. 1	12.09.05.02.23	12.09.05.02.23	1. Central traffic control	compl.	1			
12.09.05.02.26 12.09.05.02.27 3. Level crossing control compl. 1 I 12.09.05.02.27 12.09.05.02.27 1. HF system 2/12 Ni - Leskovac - Skopje compl. 1 I 12.09.05.02.27 12.09.05.02.27 2. Selective dispatch system - inffic compl. 1 I I 12.09.05.02.27 12.09.05.02.28 3. Selective dispatch system - infic compl. 1 I I 12.09.05.02.28 12.09.05.02.39 4. Radio dispatch system - infic compl. 1 I I 12.09.05.02.30 12.09.05.02.30 10. Central electric traction control compl. 1 I I 12.09.05.02.31 15.52 Measurement of finished cable installation between two m 450 I I 12.09.05.02.31 15.52 Measurement of PNK cable. compl. 1 I I 12.09.05.02.31 12.09.05.02.37 A-built design of civil works compl. 1 I I 12.09.05.02.31 12.09.05.02.31 A-built design of civil works compl.	12.09.05.02.24	12.09.05.02.24	2. Station interlocking	compl.	1			
compl. 1				compl.	1			
12.09.05.02.26 1.14 ² ystem Z12 Niš - Leskovac - Skopje compl. 1 12.09.05.02.27 12.09.05.02.27 2. Selective dispatch system - traffic compl. 1 12.09.05.02.28 12.09.05.02.28 3. Selective dispatch system - electic traction compl. 1 12.09.05.02.29 12.09.05.02.29 4. Radio dispatch system - electic traction compl. 1 12.09.05.02.30 12.09.05.02.30 1. Central electric traction ontorio compl. 1 12.09.05.02.31 15.5.2 Identification of cable route by detector and recording m 45.0 12.09.05.02.33 15.5.2 Measurement of TVC able. compl. 1 12.09.05.02.37 12.5.2 Measurement of SVC able. compl. 1 12.09.05.02.37 12.09.05.02.37 As-built design of civil works compl. 1 12.09.05.02.37 12.09.05.02.37 As-built design of civil works compl. 1 <td>12.09.03.02.23</td> <td>12.09.05.02.25</td> <td></td> <td>compl.</td> <td>1</td> <td></td> <td></td>	12.09.03.02.23	12.09.05.02.25		compl.	1			
11012.09.05.02.2712.09.05.02.282. Selective dispatch system - tarffic compl.1112.09.05.02.2812.09.05.02.283. Selective dispatch system - electric traction compl.1112.09.05.02.2912.09.05.02.294. Radio dispatch systemcompl.1112.09.05.02.3012.09.05.02.3016. Control electric traction control compl.1112.09.05.02.3115.5.215.5.2Measurement of a cable drum stations.m450112.09.05.02.3315.5.2Measurement of finished cable installation between two stations.m450112.09.05.02.3415.5.2Measurement of Finished cable installation between two stations.m450112.09.05.02.3515.5.2Measurement of PNK cable. rotocols.compl.11112.09.05.02.3612.09.05.02.37A-sbuil design of cable works with measurement protocols.compl.11112.09.05.02.3712.09.05.02.37A-sbuil design of cable works with measurement protocols.compl.11112.09.05.01.0115.4.1.STA cable.compl.111112.09.05.02.3715.4.1.STA cable.compl.111112.09.05.01.0215.4.1.STA cable.compl.111112.09.05.01.0215.4.1.STA cable.compl.111112.09.05.01.0315.	12.09.05.02.26	12.09.05.02.26						
Log 05 02 28 Log 05 02 23 Log 05 02 24 Log 05 02 23 Log 05 02 24 Log 05 02 24 Log 05 02 24 Radio dispatch system - electric traction compl. 1 12 09 05 02 29 12 09 05 02 24 4. Radio dispatch system - electric traction compl. 1 12 09 05 02 30 12 09 05 02 34 1. Central electric traction control compl. 1 12 09 05 02 31 15 5.2 Measurement of a cable drum compl. 1 12 09 05 02 33 15 5.2 Measurement of cable drum compl. 1 12 09 05 02 34 15 5.2 Measurement of SIP2 cable. compl. 1 12 09 05 02 35 15 5.2 Measurement of NPX cable. compl. 1 12 09 05 02 36 12 09 05 02 37 As-built design of cable works with measurement compl. 1 12 09 05 02 37 12 09 05 02 37 As-built design of civil works compl. 1 12 09 06 01 01 15 4.1. S				compl.	1			
12.09.05.02.29 12.09.05.02.29 1.00005.02.20 1.000005.02.20 1.000000000000000000000000000000000000	12.09.05.02.27	12.09.05.02.27		compl.	1			
12.09.05.02.3012.09.05.02.3010.00000000000000000000000000000000000	12.09.05.02.28	12.09.05.02.28	3. Selective dispatch system - electric traction	compl.	1			
ParticleParticleParticleParticleParticle12.09.05.02.3015.5.2InterfaceInterfaceInterfaceInterface12.09.05.02.3115.5.2InterfaceInterfaceInterfaceInterface12.09.05.02.3215.4.2.2InterfaceInterfaceInterfaceInterface12.09.05.02.3315.5.2InterfaceInterfaceInterfaceInterface12.09.05.02.3415.5.2InterfaceInterfaceInterfaceInterface12.09.05.02.3515.5.2InterfaceInterfaceInterfaceInterface12.09.05.02.3612.09.05.02.36InterfaceInterfaceInterfaceInterface12.09.05.02.3712.09.05.02.36InterfaceInterfaceInterfaceInterface12.09.05.02.3712.09.05.02.37InterfaceInterfaceInterfaceInterface12.09.05.02.3712.09.05.02.37InterfaceInterfaceInterfaceInterface12.09.05.02.3712.09.05.02.37InterfaceInterfaceInterfaceInterface12.09.05.02.3712.09.05.02.37InterfaceInterfaceInterfaceInterface12.09.05.02.3712.09.05.02.37InterfaceInterfaceInterfaceInterface12.09.05.01.0115.41.1Straign of civil worksInterfaceInterfaceInterface12.09.05.01.0115.41.1Straign of civil worksInterfaceInterfaceInterface12.09.05.01.0215.41.1Straign of civil works <td>12.09.05.02.29</td> <td>12.09.05.02.29</td> <td>4. Radio dispatch system</td> <td>compl.</td> <td>1</td> <td></td> <td></td>	12.09.05.02.29	12.09.05.02.29	4. Radio dispatch system	compl.	1			
Image: complement of a cable drum complement 1 Image: complement 1 12.09.05.02.32 15.5.2 Identification of cable route by detector and recording. m 450 Image: complement Im	12 00 05 02 20	12 00 05 02 20		F				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	12.09.05.02.30	12.09.05.02.30		compl.	1			
12.09.05.02.32 15.4.2.2 Identification of cable route by detector and recording. m 450 12.09.05.02.33 15.5.2 Measurement of finished cable installation between two stations. compl. 1 12.09.05.02.34 15.5.2 Measurement of SPZ cable. compl. 1 12.09.05.02.35 15.5.2 Measurement of PNK cable. compl. 1 12.09.05.02.36 12.09.05.02.36 As-built design of cable works with measurement protocols compl. 1 12.09.05.02.37 12.09.05.02.37 As-built design of civil works compl. 1 TOTAL COLLISION 5 - works: TOTAL COLLISION 5 - works: TOTAL COLLISION 5 - cables are affected by construction of embankment on the left track side 12.09.06.01.01 15.4.1. STA cable m 250 Izage doi: 10.151.01.01 STA cable, code N1626, without measurement of coupling, accessories and material included. 12.09.06.01.02 15.4.1. Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included. pc. 2 12.09.06.01.05 15.4.1. Straight joint on STA cable with measurement o	12.09.05.02.31	15.5.2						
12.09.05.02.3315.5.2Measurement of fnished cable installation between two stations.m45012.09.05.02.3415.5.2Measurement of SPZ cable. compl.compl.112.09.05.02.3515.5.2Measurement of SPZ cable. compl.compl.112.09.05.02.3612.09.05.02.36As-built design of cable works with measurement protocolscompl.112.09.05.02.3712.09.05.02.37As-built design of civil workscompl.112.09.05.02.3712.09.05.02.37As-built design of civil workscompl.112.09.05.02.37As-built design of civil workscompl.112.09.05.02.37As-built design of civil workscompl.112.09.05.02.37As-built design of civil workscompl.112.09.05.02.37As-built design of civil workscompl.112.09.06.10.0115.4.1STA cablecompl.112.09.06.10.0115.4.1STA cablem25012.09.06.01.0215.4.1.STZ 21x0.9m25012.09.06.01.0315.4.1.Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included.pc.212.09.06.01.0615.4.1.Straight joint on STA cable with measurement of coupling and making diagram of crossing points, accessories and material included.pc.212.09.06.01.0615.4.1.Straight joint on STA cable with measurement of coupling and making diagram of crossing points, accessories and material included.pc. <td>12.09.05.02.32</td> <td>15 4 2 2</td> <td></td> <td>compl.</td> <td>1</td> <td></td> <td></td>	12.09.05.02.32	15 4 2 2		compl.	1			
12.09.05.02.3415.5.2stations.compl.1112.09.05.02.3515.5.2Measurement of SPZ cable.compl.1112.09.05.02.3615.5.2Measurement of PNK cable.compl.1112.09.05.02.3712.09.05.02.37As-built design of cable works with measurement protocolscompl.1112.09.05.02.3712.09.05.02.37As-built design of civil workscompl.111TOTAL COLLISION 5 - works:TOTAL COLLISION 5 - works: <td co<="" td=""><td></td><td></td><td></td><td>m</td><td>450</td><td></td><td></td></td>	<td></td> <td></td> <td></td> <td>m</td> <td>450</td> <td></td> <td></td>				m	450		
$\begin{array}{ c c c c c } \hline \begin{tabular}{ c c c c c } \hline \begin{tabular}{ c c c c c c } \hline \begin{tabular}{ c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	12.09.05.02.33	15.5.2		compl.	1			
$\begin{array}{ c c c c c c } \hline 1 & \hline compl. & $	12.09.05.02.34	15.5.2	Measurement of SPZ cable.	compl.	1			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	12.09.05.02.35	15.5.2	Measurement of PNK cable.	compl.	1			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	12.09.05.02.36	12.09.05.02.36	<u> </u>		1			
TOTAL COLLISION 5 - works: TOTAL COLLISION 5 - works: TOTAL COLLISION 5 - material+works: TOTAL COLLISION 5 - material+works: TOTAL COLLISION 5 - Cables are affected by construction of embankment on the left track side 12.09.06.01. Collision 6 - material I2.09.06.01.00 I5.4.1. STA cable m 250 12.09.06.01.02 I5.4.1. STA cable, code N1626, without m 250 12.09.06.01.03 I5.4.1. Straight joint on STA cable, code N1626, without m 250 12.09.06.01.04 I5.4.1. Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included. pc. 2 12.09.06.01.05 I5.4.1. Straight joint on STA cable with measurement of coosing points, accessories and material included. pc. 2 12.09.06.01.06 I5.4.1. Joint on PNK cable with heat-shrink coupling pc. <td>12.09.05.02.37</td> <td>12.09.05.02.37</td> <td>As-built design of civil works</td> <td></td> <td></td> <td></td> <td></td>	12.09.05.02.37	12.09.05.02.37	As-built design of civil works					
TOTAL COLLISION 5 - material+ works:TOTAL COLLISION 5 - material-TOTAL COLLISION 5 - material-TOTAL COLLISION 5 - Cables are affected by construction of embankment on the left track side12.09.06.01. Collision 6 - material12.09.06.01.0215.4.1.STA cablem25012.09.06.01.0215.4.1.SPZ 21x0.9m25012.09.06.01.0315.4.1.PNKm25012.09.06.01.0415.4.1.Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included.m25012.09.06.01.0515.4.1.Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included.pc.212.09.06.01.0615.4.1.Joint on SPZ cable with heat-shrink coupling points, accessories and material included.pc.212.09.06.01.0715.4.1.Joint on PNK cable with heat-shrink coupling points, accessories and material included.pc.212.09.06.01.0815.4.1.Brick for separation of PNK cables from other cables in a trenchpc.212.09.06.01.0915.4.1.Brick for separation of PNK cables from other cables in a trenchpc.212.09.06.01.0915.4.1.Brick for separation of PNK cables from other cables in a trenchpc.212.09.06.01.0915.4.1.Brick for separation of PNK cables from other cables in a trenchpc.212.09.06.01.0915.4.1.Brick for	ļ ļ				ļ	ON 5 - works:		
TOTAL COLLISION 5:TOTAL COLLISION 5: Collision 5 - Cables are affected by construction of embankment on the left track side12.09.06.01. Collision 6 - material12.09.06.01.0115.4.1.STA cablem2501000000000000000000000000000000000000			тот					
12.09.06.COLLISION 6 - Cables are affected by construction of embankment on the left track side12.09.06.01. Collision 6 - material12.09.06.01.0115.4.1.STA cablem25012.09.06.01.0215.4.1.SPZ 21x0.9m25012.09.06.01.0315.4.1.Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included.m25012.09.06.01.0515.4.1.Straight joint on STA cable, with measurement of capacitive coupling and making diagram of crossing points, accessories and material included.pc.212.09.06.01.0615.4.1.Joint on SPZ cable with heat-shrink coupling points, accessories and material included.pc.212.09.06.01.0715.4.1.Joint on PNK cables from other cables in a trenchpc.212.09.06.01.0815.4.1.Brick for separation of PNK cables from other cables in a trenchpc.212.09.06.01.0915.4.1.Sandm29			101					
12.09.06.01. Collision 6 - material12.09.06.01.0115.4.1.STA cablem25012.09.06.01.0215.4.1.SPZ 21x0.9m25012.09.06.01.0315.4.1.PNKm25012.09.06.01.0415.4.1.Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included.m25012.09.06.01.0515.4.1.Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included.pc.212.09.06.01.0615.4.1.Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included.pc.112.09.06.01.0615.4.1.Joint on SPZ cable with heat-shrink coupling points, accessories and material included.pc.212.09.06.01.0715.4.1.Joint on PNK cables from other cables in a trenchpc.212.09.06.01.0915.4.1.Brick for separation of PNK cables from other cables in a trenchpc.228012.09.06.01.0915.4.1.Sandm³29	12.09.06	COLLISION 6 - 4	Cables are affected by construction of embankment on th	ie left track		GELISION 3:		
12.09.06.01.0215.4.1.SPZ 21x0.9m25012.09.06.01.0315.4.1.PNKm25012.09.06.01.0415.4.1.Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included.m25012.09.06.01.0515.4.1.Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included.pc.212.09.06.01.0615.4.1.Straight joint on SPZ cable with heat-shrink coupling points, accessories and material included.pc.112.09.06.01.0615.4.1.Joint on SPZ cable with heat-shrink coupling points, accessories and material included.pc.212.09.06.01.0715.4.1.Joint on SPX cables from other cables in a trenchpc.212.09.06.01.0815.4.1.Brick for separation of PNK cables from other cables in a trenchpc.228012.09.06.01.0915.4.1.Sandm³29		on 6 - material						
12.09.06.01.0215.4.1.SPZ 21x0.9m25012.09.06.01.0315.4.1.PNKm25012.09.06.01.0415.4.1.Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included.m25012.09.06.01.0515.4.1.Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included.pc.212.09.06.01.0615.4.1.Joint on SPZ cable with heat-shrink couplingpc.112.09.06.01.0715.4.1.Joint on PNK cable with heat-shrink couplingpc.212.09.06.01.0815.4.1.Brick for separation of PNK cables from other cables in a trenchpc.212.09.06.01.0915.4.1.Sandm³29	12.09.06.01.01	15.4.1.	STA cable	m	250			
12.09.06.01.0315.4.1.PNKm25012.09.06.01.0415.4.1.Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included.pc.212.09.06.01.0515.4.1.Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included.pc.112.09.06.01.0615.4.1.Straight joint on STA cable with heat-shrink coupling points, accessories and material included.pc.112.09.06.01.0615.4.1.Joint on SPZ cable with heat-shrink coupling point on SPZ cable with heat-shrink couplingpc.212.09.06.01.0715.4.1.Joint on PNK cable with heat-shrink coupling pc.pc.212.09.06.01.0815.4.1.Brick for separation of PNK cables from other cables in a trenchpc.228012.09.06.01.0915.4.1.Sandm³29	12.09.06.01.02	15.4.1.	SPZ 21x0.9					
12.09.06.01.0415.4.1.Straight joint on STA cable, code N1626, without measurement of coupling, accessories and material included.pc.212.09.06.01.0515.4.1.Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included.pc.112.09.06.01.0615.4.1.Joint on SPZ cable with heat-shrink couplingpc.112.09.06.01.0715.4.1.Joint on PNK cable with heat-shrink couplingpc.212.09.06.01.0815.4.1.Brick for separation of PNK cables from other cables in a trenchpc.212.09.06.01.0915.4.1.Sandm³29	12.09.06.01.03	15.4.1.	PNK					
12.09.06.01.0515.4.1.included.pc.212.09.06.01.0515.4.1.Straight joint on STA cable with measurement of capacitive coupling and making diagram of crossing points, accessories and material included.pc.112.09.06.01.0615.4.1.Joint on SPZ cable with heat-shrink couplingpc.212.09.06.01.0715.4.1.Joint on PNK cable with heat-shrink couplingpc.212.09.06.01.0815.4.1.Brick for separation of PNK cables from other cables in a trenchpc.212.09.06.01.0915.4.1.Sandm³29	12.09.06.01.04	15.4.1.		111	230			
12.09.06.01.0615.4.1.capacitive coupling and making diagram of crossing points, accessories and material included.pc.112.09.06.01.0715.4.1.Joint on SPZ cable with heat-shrink coupling points accessories and material included.pc.212.09.06.01.0715.4.1.Joint on PNK cable with heat-shrink coupling preserver and the shrink couplingpc.212.09.06.01.0815.4.1.Brick for separation of PNK cables from other cables in a trenchpc.228012.09.06.01.0915.4.1.Sandm³29			included.	pc.	2			
12.09.06.01.0615.4.1.points, accessories and material included.pc.112.09.06.01.0715.4.1.Joint on SPZ cable with heat-shrink couplingpc.212.09.06.01.0815.4.1.Joint on PNK cable with heat-shrink couplingpc.212.09.06.01.0915.4.1.Brick for separation of PNK cables from other cables in a trenchpc.228012.09.06.01.0915.4.1.Sandm³29	12.09.06.01.05	15.4.1.						
12.09.06.01.07 15.4.1. Joint on PNK cable with heat-shrink coupling pc. 2 12.09.06.01.08 15.4.1. Brick for separation of PNK cables from other cables in a trench pc. 2280 12.09.06.01.09 15.4.1. Sand m³ 29	12.09.06.01.06	15.4.1.	points, accessories and material included.	pc.	1			
12.09.06.01.08 15.4.1. Brick for separation of PNK cables from other cables in a trench pc. 2280 12.09.06.01.09 15.4.1. Sand m³ 29				pc.	2			
12.09.06.01.09 15.4.1. trench pc. 2280 m³ 29 1000000000000000000000000000000000000				pc.	2			
m ³ 29	12.09.06.01.08		trench	pc.	2280			
	12.09.06.01.09	15.4.1.	Sand	m ³	29			
	ľ [,]		•			N 6 - material:		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
12.09.06.02. Collisi				,	r	
12.09.06.02.10	15.4.2.2.	Routing	m	570		
12.09.06.02.11	15.4.2.2.	Excavation of 0.8x0.5 m trench, placing PVC shields and yellow PVC warning tape, backfilling and compaction in				
		minimum three layers and haulage of surplus earth to specified stockpiling area.	m	570		
12.09.06.02.12	15.4.2.3	Construction of passage under the track.	m	20		
12.09.06.02.13	15.4.2.3	Laying STA cable in a trench	m	250		
12.09.06.02.14	15.4.2.3	Laying SPZ cable in a trench	m	250		
12.09.06.02.15	12.09.06.02.15	Laying PNK cable in a trench	m	250		
12.09.06.02.16	12.09.06.02.16	Installation of straight cable joint on STA cable without		230		
12.09.06.02.17	12.09.06.02.17	Installation of straight cable joint on STA cable with	pc.			
12.09.06.02.18	12.09.06.02.18	measurement of capacitive coupling. Installation of joint on SPZ cable.	pc.	1		
12.09.06.02.19	12.09.06.02.19	Installation of joint on PNK cable.	pc.	2		
12.09.06.02.20	12.09.06.02.20	Placing bricks in a soldier course	pc.	2		
	l	System switch off/on	pc.	2280		
12.09.06.02.21	12.09.06.02.21	Signaling/safety systems	compl.	1		
12.09.06.02.22	12.09.06.02.22	1. Central traffic control	compl.	1		
12.09.06.02.23	12.09.06.02.23	2. Station interlocking	compl.	1		
12.09.06.02.24	12.09.06.02.24	3. Level crossing control	compl.	1		
	1	Telecommunication systems	compi.	1		
12.09.06.02.25	12.09.06.02.25	1. HF system Z12 Niš – Leskovac – Skopje	compl.	1		
12.09.06.02.26	12.09.06.02.26	2. Selective dispatch system - traffic	compl.	1		
12.09.06.02.27	12.09.06.02.27	3. Selective dispatch system - electric traction	compl.	1		
12.09.06.02.28	12.09.06.02.28	4. Radio dispatch system	compl.	1		
12.09.06.02.29	15.5.2	Power supply systems	compi.	1		
12.09.00.02.29		1. Central electric traction control	compl.	1		
12.09.06.02.30	15.4.2.2 15.5.2	Measurement, testing and documentation Measurement of a cable drum	ac 1	1		
12.09.06.02.31	15.5.2	Identification of cable route by detector and recording.	compl.	1		
12.09.06.02.32	15.5.2	Measurement of finished cable installation between two	m	280		
12.09.06.02.33	15.5.2	stations. Measurement of SPZ cable.	compl.	1		
12.09.06.02.34	15.5.2	Measurement of PNK cable.	compl.	1		
12.09.06.02.35	12.09.06.02.35	As-built design of cable works with measurement	compl.	1		
12.09.06.02.36	12.09.06.02.36	protocols As-built design of civil works	compl.	1		
			compl.	1 L COLLISI	ON 6 - works:	
		тот			terial+works:	
		101				
				IUIAL C	OLLISION 6:	

12.09. Displacement and protection of the existing lineside telecommunication cables					
12.09.05. COLLISION 5 - Cables are affected by construction of embankment on the left track side					
12.09.06. COLLISION 6 - Cables are affected by construction of embankment on the left track side					
TOTAL Displacement and protection of the existing lineside telecommunication cables (12.09.):					

12. SUMMARY – Technical infrastructure	
DESIGN OF LIGHTING SYSTEM AT "PREDEJANE" GRADE-SEPARATED JUNCTION AND POWER SUPPLY TO TOLL STATIONS	
10 kV, Al/Č 3x50/8 mm2 OVERHEAD FEEDER CABLE and 10/0.4 kV, 100 kVA MTS AT "PREDEJANE" INTERCHANGE	
Overhead low-voltage network	
DESIGN FOR DISPLACEMENT AND PROTECTION OF THE EXISTING TELECOMMUNICATION SYSTEM	
DESIGN OF OCS RECONSTRUCTION AND OVERPASS EARTHING	
TELECOMMUNICATION INSTALLATIONS – CIVIL ENGINEERING PART	
Displacement and protection of lineside telecommunication cables	
SUB-TOTAL	
Unforeseen work (5% of sub-total)	
<u>TOTAL TECHNICAL INFRASTRUCTURE (12.):</u>	

10. Landscaping of road land strip

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
14.01.00 14.01.02.	14.01.00 14.01.02.	LANDSCAPING Procurement and planting of 10-12 year old plantlets of high deciduous trees. Cylindrical planting pits, 1.00x1.00 m shall be excavated, detritus, barren soil and other damaging substances removed from the pit and plantlets bedded with mix of humus, peat fertilizer and sand in approximate proportion 6:3:1 to 2/3 of pit volume. The top third of pit shall be enriched with peat fertilizer of prescribed quantity (25 kg per plantlet). Sand content in the mix depends on soil substrate structure. Plantlets shall be fixed to rod of specified height with rounded top placed prior to covering up the clods taking care not to damage the root system. After planting ground shall be bowl-shaped and plantlets abundantly watered. Other operations shall be performed in accordance with attached General conditions of landscaping				
		TILIA ARGENTEA	pcs.	22		
		ACER PLATANOIDES	pcs.	11		
		FRAXINUS ANGUSTIFOLIA	pcs.	28		
14.01.04.	14.01.04.	SALIX VITELINA "PENDULA" Procurement and planting of 6-8 year old plantlets of medium high and small deciduous trees. Cylindrical planting pits, 0.80x0.80 m shall be excavated, detritus, barren soil and other damaging substances removed from the pit and plantlets bedded with mix of humus, peat fertilizer and sand in approximate proportion 6:3:1 to 2/3 of pit volume. The top third of pit shall be enriched with peat fertilizer of prescribed quantity (15 kg per plantlet). Sand content in the mix depends on soil substrate structure. After planting ground shall be bowl-shaped and plantlets abundantly watered. Plantlets shall be baled for transport to prevent drying of root system. Other operations shall be performed in accordance with attached General conditions of landscaping.	pcs.	16		
		CRATAEGUS NIGRA	pcs.	59		
		ACER CAMPESTRE	pcs.	38		
		FRAXINUS ORNUS	pcs.	33		
		PRUNUS CERASIFERA "NIGRA"	pcs.	47		
		CORILUS AVELLANA	pcs.	32		
		SAMBUCUS NIGRA	pcs.	33		
		CORNUS MAS "VARIEGATA"	pcs.	63		
		COTINUS COGGYGRIA	pcs.	23		
14.01.05.	14.01.05.	SYRINGA VULGARIS Procurement and planting of 3-5 year old plantlets of deciduous shrubs and creepers. Cylindrical planting pits, 0.4x0.4 m shall be excavated and plantlets bedded by using mix of humus, peat fertilizer and sand in approximate proportion 6:3:1 to 2/3 of pit volume. The top third of pit shall be enriched with peat fertilizer of prescribed quantity (3 kg per plantlet). Sand content in the mix depends on soil substrate structure. Appropriate number of plantlets shall be bedded in the area of one m2 depending on the sort. Other operations shall be performed in accordance with attached General conditions of landscaping.	pcs.	18		
		VIBURNUM OPULUS "ROSEUM"	pcs.	171		
		CORNUS ALBA	pcs.	923		
		CORNUS SANGUINEA	pcs.	387		
		TAMARIX PENTANDRA	pcs.	403		

Item No.	T.S.	Work Description	Unit	Quantity	Unit Price	Total
		PHILADELPHUS CORONARIUS	pcs.	241		
			1			
		SPIRAEA X VANHOUTTEI	pcs.	398		
		ROSA RUGOSA	pcs.	208		
		FORSITHIA X INTERMEDIA	pcs.	864		
		BUDDLEIA DAVIDII	pcs.	319		
		LONICERA TATARICA	pcs.	481		
		LONICERA CAPRIFOLIUM	pcs.	18		
14.01.06.	14.01.06.	Procurement and planting of 3-5 year old plantlets of evergreen shrubs. Cylindrical planting pits, 0.4x0.4 m shall be excavated and plantlets bedded by using mix of humus, peat fertilizer and sand in approximate proportion 6:3:1 to 2/3 of pit volume. The top third of pit shall be enriched with peat fertilizer of prescribed quantity (3 kg per plantlet). Sand content in the mix depends on soil substrate structure. Appropriate number of plantlets shall be bedded in the area of one m2 depending on the sort. Other operations shall be performed in accordance with attached General conditions of landscaping.				
		PRUNUS LAUROCERASUS	pcs.	383		
		PYRACANTHA COCCINEA	pcs.	434		
		MAHONIA AQUIFOLIUM	pcs.	318		
		BERBERIS JULIANAE	pcs.	390		
				TOTAL LA	NDSCAPING:	
14.02.00.	14.02.00.	MAINTENANCE				
14.02.01.	14.02.01.	Capital maintenance of green areas includes all greenery maintenance and cultivation operations, watering, sprinkler irrigation, hoeing, formation (pruning) of hedge, lawn cut and protection of plants against entomological and phytopathological damages. It amounts to 20% approximately of landscaping investment value for one year period.				
				lump sum	1	
			r	FOTAL MA	NTENANCE:	

14. Summary Landscaping of road land strip	
14.01.00 LANDSCAPING	
14.02.00 MAINTENANCE	
SUB-TOTAL	
Unforeseen work (5% of sub-total)	
TOTAL Landscaping of road land strip (14.):	

No.	Description	Unit	Nominal quantity	Rate	Extended amount
D100	Skilled concrete finisher	hour	500.00		
D101	Skilled asphalt finisher	hour	500.00		
D102	Skilled mason	hour	500.00		
D103	Skilled electrician	hour	500.00		
D104	Skilled fitter	hour	500.00		
D105	Skilled joiner	hour	500.00		
D106	Skilled carpenter	hour	500.00		
D107	Skilled steelwork erector	hour	500.00		
D108	Unskilled labourer	hour	500.00		
D109	Unskilled assitant	hour	500.00		
D110	Highly-skilled group leader	hour	500.00		
D112	Foreman	hour	500.00		
D113	Driver for vehicle up to 10 tons	hour	1,000.00		
D114	Driver for vehicle 10 to 20 tons	hour	1,000.00		
D115	Driver for vehicle above 10 tons	hour	1,000.00		
D116	Operator for excavator, dragline, shovel, or crane	hour	500.00		
D117	Operator for roller, asphalt finisher, concrete finisher	hour	500.00		
D118	Operator for tractor with dozer blade or ripper	hour	500.00		
		•		Subtotal	
D150	Allow _ percent ^a of Subtotal for Contractor's overhead, p	rofit, etc.			
		,	Fotal for Day	work: Labor	
a. To be	e entered by the bidder.				

No.	Description	Unit	Nominal quantity	Rate	Extended amount	
D201	Cement	t	200.00			
D202	Mild steel reinforcing bar up to 16 mm diameter	t	100.00			
D203	Mild steel reinforcing bar above 16 mm diameter	t	100.00			
D204	Aggregate for pavement base	m3	500.00			
D205	Gravel	m3	500.00			
D206	Lime	kg	200.00			
D207	Mortar	m3	200.00			
D208	Concrete aggregate					
D208.1	0-4 mm	m3	500.00			
D208.2	4-8 (0-8) mm	m3	500.00			
D208.3	8-16 mm	m3	500.00			
D208.4	16-32 (22) mm	m3	500.00			
D209	Asphalt aggregate, limestone					
D209.1	0-4 mm	m3	500.00			
D209.2	4-8 (0-8) mm	m3	500.00			
D209.3	8-16 mm	m3	500.00			
D209.4	16-32 (22) mm	m3	500.00			
D210	Asphalt aggregate, igneous					
D210.1	0-4 mm	m3	500.00			
D210.2	4-8 (0-8) mm	m3	500.00			
D210.3	8-16 mm	m3	500.00			
D210.4	16-22 mm	m3	500.00			
D211	Planed softwood	m3	50.00			
D212	Sawn softwood	m3	50.00			
D213	Plywood	m3	50.00			
D214	Gas oil	1	1,000.00			
D215	Bitumen	t	200.00			
			I	Subtotal		
D150	Allow _ percent ^a of Subtotal for Contractor's overhead, profit, etc.					
		Т	otal for Dayw	ork: Materials		
a. To be	entered by the bidder.					

No.	Description	Nominal quantity (hours)	Basic hourly rental rate	Extended amount
D301	Excavator, face shovel, or dragline:			
D301.1	Up to and including 1 m ³	500.00		
D301.2	Over 1 m^3 to 2 m^3	400.00		
D301.3	Over 2 m ³	100.00		
D302	Tractor, including bull or angle dozer:			
D302.1	Up to and including 150 kW	500.00		
D302.2	Over 150 kW to 200 kW	400.00		
D302.3	Over 200 kW to 250 kW	200.00		
D303	Tractor with ripper:			
D303.1	Up to and including 200 kW	400.00		
D303.2	Over 200 kW to 250 kW	200.00		
D304	Roller	200.00		
D305	Shovel	200.00		
D306	Crane	200.00		
D307	Pneumatic hammer	200.00		
D308	Pneumatic drill	200.00		
D309	Draining unit	200.00		
D310	Loader	200.00		
D311	Truck:			
D311.1	up to and including 10 t	500.00		
D311.2	over 10 to 20 t	500.00		
D312	Power generator up to 25 kVA	200.00		
		Total for Dayw	ork: Equipment	

	Amount (RSD)	% Foreign
1. Total for Daywork: Labour		
2. Total for Daywork: Materials		
3. Total for Daywork: Equipment		
Total for Daywork		

Technical Proposal

- Site Organization
- Method Statement
- Program of Works
- Equipment
- Subcontracting
- Traffic Management Plan
- Environmental Management Plan
- Quality Assurance Plan
- Sources of Materials Procurement
- Cash Flow (Note:Cash Flow shall be included in the Financial Bid only)
- Personnel

Remark:

Technical Proposal describes details of the arrangements and methods which the Bidder proposes to adopt for the execution of the Works in sufficient detail to demonstrate his adequacy to achieve the requirements of the Contract including completion within the Time for Completion, and is not the binding contract documents, except for the Equipment and Personnel.

Site Organization

Give details (in graphic form) of the organisation chart of your site office for this contract, showing the key personnel and their responsibilities and functions. Explain clearly the links between the site office and the Company's head office organisation and in particular show the involvement of any directors, area managers or visiting staff in this particular contract. In the case of a joint venture the bidder must indicate the inter-relationships between the JVA partners.

Method Statement

The Bidder shall provide a comprehensive work method statement in which to demonstrate a clear understanding of the Works by providing written descriptions, with drawings where applicable, of the methods proposed by the Bidder for carrying out the Works. In particular the Bidder shall indicate the number, type and capacity of all plant, equipment and labour proposed to be involved in the major activities of work; the sources of all quarries, borrow pits, spoil areas, materials suppliers and the proposed means of haulage; the sequence of work and numbers of concurrent work fronts proposed; the location of the Bidders's site offices and Engineer's offices, plant, fabrication yards, laboratory etc.; the Bidder's proposed heath and safety plan; the activities of subcontractors and the Bidder's proposals for management of them; the activities of joint-venture partners; a detailed description of the procurement of utility works.

Program of Works

Bidder shall provide a provisional programme of works showing the order of procedure and timing in which the Bidder proposes to carry out the Works. The programme shall show, inter alia: all dates and times specified in the Contract; the order and timing of the temporary and permanent work; the quantities of temporary and permanent work expected to be constructed each month; the resources (plant, equipment, labour, etc) required each month to produce these quantities of work; all utilities work; the intermediate milestones; the relationship between activities; the critical path; the date by which the Contractor requires any information or anything else the Employer is required to provide to the Contractor including possession of site. In preparing the programme of work the Bidder shall take note of prevailing climatic conditions and the requirement to obtain permits and authorisations prior to construction. Failure to provide detailed and acceptable technical information in accordance with the above requirements may lead to the rejection of the bid.

NOTES:

Works will be performed simultaneously on LOT 1 and LOT 2 and the contractors must cooperate closely and organize their works in line with instructions received from the Engineer.

Through technical part of the bid, the applicants have to show that they have capacity to start the works simultaneously with several fully equipped teams for work in specific geotechnical terrain conditions and to finish the works in the required time.

It is expected that works can be performed in 3 (three) shifts.

Form EQU: Equipment

The Bidder shall provide adequate information to demonstrate clearly that it has the capability to meet the requirements for the key equipment listed in Section III, Evaluation and Qualification Criteria. A separate Form shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Bidder.

Item of equipment						
Equipment information	Name of manufacturer	Model and power rating				
	Capacity	Year of manufacture				
Current status	Current location					
	Details of current commitments					
Source	Indicate source of the equipment □ Owned □ Rented □ Leased	□ Specially manufactured				

Omit the following information for equipment owned by the Bidder.

Owner	Name of owner	me of owner		
	Address of owner			
	Telephone	Contact name and title		
	Fax	Telex		
Agreements	Details of rental / lease / manufacture agreements specific to the project			

If the equipment is owned by the bidder, the proof of ownership (copy of working license, contract of purchase or similar) should be delivered with the Form EQU. If the equipment is rented, leased or being purchased, copy of the relevant contract for rent, leasing or purchase should be submitted with the Form EQU.

Subcontracting

If the Bidder does not plan to sub-contract items of work, state "Not applicable".

Item(s) of Bill of Quantities	Type of work(s)	% of bid price	Name and address of sub-contractor	Similar works executed (year, location, client)

Notes:

- 1. The Bidder should attach subcontractors' certificates of completion signed by previous employers in order to prove the subcontractors' experience in the area of the Work proposed to be subcontracted.
- 2. The Bidder must submit the letter of intent issued and signed by the subcontractors.
- 3. Bidders must list the major utility subcontractors.

Traffic Management Plan

Bidder shall provide a Traffic Management Plan (TMP) that indicates what measures will be implemented to manage road traffic throughout the course of the Works. Such TMP shall describe, in the form of sketches accompanied by narrative details, the sequence of traffic control devices, signs, deviations, lighting, fencing, etc., to be applied to each section of road. The TMP shall clearly define advance warning signs, traffic control, separation of working areas, attendance and lighting of works, frequency of working areas and anticipated traffic queues, etc. The Bidder's TMP shall ensure that work on any area is completed as soon as possible so that the level of traffic disturbance should be minimised. Also, a detailed description of construction site roads is required.

Environmental Management Plan

Bidder shall provide details of the site-specific Environmental Management Plan (EMP) proposed to be used in order to ensure compliance with the results and recommendations of the Environmental Impact Assessment Study (available at the web site: www.koridor10.rs or www.koridorx.rs). This EMP shall describe all procedures to be done to fulfill environmental protection requirements during works, as well as details on mitigation and monitoring activities foreseen to be done by the Contractor.

Detailed site-specific EMP shall include additional site-specific information called for in the Corridor level EIA and the preconditions, as well as management plans for specific aspects of their operations (Project induction, Traffic, Waste and wastewater management plan, Oil and fuel storage management plan, In-river works management plan, Camp management plan, Emergency response plan, Grievance mechanism). Grievance mechanism will include representatives of Employer, Engineer and Contractor in resolving various grievances that may occur during construction.

ISO Certificates or any other equivalent accreditations must be attached.

NOTE:

EMP Supervisor, to be hired under the separate contract, shall prepare a guide for contractors on implementing the EMP and a guide for the Construction Supervision Engineers on how to undertake supervision, including monitoring of effectiveness. The same consultant also has the obligation to prepare and execute a training program in support of the above two guides. The Contractor's EMP shall be updated in accordance with the mentioned guides and received training.

Quality Assurance Plan

Bidder shall provide details of the Quality Assurance Plan proposed to be used in order to ensure compliance with the Contract.

The details must include an outline of the Quality Assurance procedures for this Contract. ISO Certificates or any other equivalent accreditations must be attached.

Sources of Materials Procurement

Material	Element of work	Approximate value	Country of origin	Name and address of the supplier

The Bidder shall fill this schedule with the list of the most important materials but shall include as a minimum quarry sites, sources of bitumen and cement, sources of reinforcing steel, sources of bearings, expansion joints, parapets and guardrails and any critical delivery date items.

Cash Flow

Note: Cash Flow shall be included in the Financial Bid only.

Bidder is to detail his projected cash flow, taking into account advance, materials on site etc, as per format below:

	Value of work	Advance payment	Advance	Payments to Contractor	
Month	value of work	Auvance payment	repayment	Monthly total	Cumulated value
	[Euro]	[Euro]	[Euro]	[Euro]	[Euro]
1					
2					
3					
4					
5					
TOTAL					

Personnel

Form PER-1: Proposed Personnel

Bidders should provide the names of suitably qualified personnel to meet the specified requirements stated in Section III. The data on their experience should be supplied using the Form below for each candidate.

1.	Title of position*
	Name
2.	Title of position*
	Name
3.	Title of position*
	Name
4.	Title of position*
	Name
•••	

*As listed in Section III.

Form PER-2: Resume of Proposed Personnel

Name of Bide	der				
Position					
Personnel information	Name Date of birth				
	Professional qualifications	I			
Present employment	Name of employer				
	Address of employer				
	Telephone	Contact (manager / personnel officer)			
	Fax	E-mail			
	Job title	Years with present employer			

Summarize professional experience over the last 20 years, in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

From	То	Company / Project / Position / Relevant technical and management experience

-1

Bidders Qualification

To establish its qualifications to perform the contract in accordance with Section III (Evaluation and Qualification Criteria) the Bidder shall provide the information requested in the corresponding Information Sheets included hereunder.

Bidder's Information			
Bidder	r's legal name		
	e of JV, legal of each er		
Bidder constit	r's country of tution		
Bidder's year of constitution			
Bidder's legal address in country of constitution			
repres (name, telepho	one numbers, umbers, e-mail		
Attache	ed are copies of the	following original documents.	
□ 1. In case of single entity, articles of incorporation or constitution of the legal entity named above, in accordance with ITB 4.1 and 4.2.		tity, articles of incorporation or constitution of the legal entity named above, in B 4.1 and 4.2.	
D 2.	Authorization to rep	present the firm or JV named in above, in accordance with ITB 20.2.	
3 .	In case of JV, letter	of intent to form JV or JV agreement, in accordance with ITB 4.1.	
4 .	In case of a government-owned entity, any additional documents not covered under 1 above required to comply with ITB 4.5.		

Form ELI – 1: Bidder's Information Sheet

Form ELI – 2: JV Information Sheet

Each member of a JV must fill in this form

	JV / Specialist Subcontractor Information
Bidder's legal name	
JV Partner's or Subcontractor's legal name	
JV Partner's or Subcontractor's country of constitution	
JV Partner's or Subcontractor's year of constitution	
JV Partner's or Subcontractor's legal address in country of constitution	
JV Partner's or Subcontractor's authorized representative information	
(name, address, telephone numbers, fax numbers, e-mail address)	
Attached are copies of the	following original documents.
□ 1. Articles of incorpor 4.2.	ration or constitution of the legal entity named above, in accordance with ITB 4.1 and
Q 2. Authorization to rep	present the firm named above, in accordance with ITB 20.2.
	rnment-owned entity, documents establishing legal and financial autonomy and ommercial law, in accordance with ITB 4.5.

Form CON – 2: Historical Contract Non-Performance

[The following table shall be filled in for the Bidder and for each partner of a Joint Venture]

Bidder's Legal Name:____

Page _____

Date: ______ Joint Venture Party Legal Name:

__of_

ICB No. and title: CORRX.E75.EIB.PACK1.ICB

pages

	Non-Performing Contracts in accordance with Section III, Qualification Criteria and				
			Requirements		
		-	nance did not occur during the last 5 (five) years spec and Requirements, Sub-Factor 2.1.	ified in Section III,	
	· · ·	-	ormed during the last 5 (five) years specified in Section nents, requirement 2.1	on III, Qualification	
Year		Non	Contract Identification	Total Contract	
	-	formed rtion of		Amount (current value, EURO	
	co	ontract		equivalent)	
			Contract Identification:		
	Name of Employer:				
Address of Employer:					
	Reason(s) for non performance:				
Pendin	ng Litigation	n in accor	dance with Section III. Qualification Criteria and Require	ements	

Pending Litigation, in accordance with Section III, Qualification Criteria and Requirements

- □ No pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.2.
- Pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.2 as indicated below.

Year	Outcome as Percentage of Total Assets	Contract Identification	Total Contract Amount (current value, EURO equivalent)
		Contract Identification: Name of Employer: Address of Employer: Matter in dispute:	

Form FIN – 1: Financial Situation

Each Bidder or member of a JV must fill in this form

Financial Data for Previous 3 Years [EURO Equivalent]		
Year: 2010	Year: 2009	Year: 2008

Information from Balance Sheet

Total Assets		
Total Liabilities		
Net Worth		
Current Assets		
Current Liabilities		

Information from Income Statement

Total Revenues		
Profits Before Taxes		
Profits After Taxes		

- Attached are copies of financial statements (balance sheets including all related notes, and income statements) for the last three years, as indicated above, complying with the following conditions.
 - All such documents reflect the financial situation of the Bidder or partner to a JV, and not sister or parent companies.
 - Historic financial statements must be audited by a certified accountant.
 - Historic financial statements must be complete, including all notes to the financial statements.
 - Historic financial statements must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).

Note: The information supplied should be converted to EURO at the rate of exchange at the end of the period reported (i.e. December 31).

[At the end of this form Bidder shall, for each year, state the rate of exchange used for conversion to EURO.]

Form FIN – 2: Average Annual Construction Turnover

Each Bidder or member of a JV must fill in this form

Criteria and Requirements, Sub-Factor 2.3.2.

	Annual Turnover Data for the Last 3 Years (Construction only)							
Year	Amount Currency	Exchange Rate	EURO Equivalent					
2010								
2009								
2008								
	Average Annual Construction							

Average annual construction turnover calculated as total certified payments received for work in progress or completed, divided by the number of years specified in Section III, Qualification

The information supplied should be the Annual Turnover of the Bidder or each member of a JV in terms of the amounts billed to clients for each year for work in progress or completed, converted to EURO at the rate of exchange at the end of the period reported (i.e. December 31).

Form FIN – 3: Financial Resources

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts as indicated in Section III (Evaluation and Qualification Criteria)

	Financial Resources						
No.	Source of financing	Amount (EURO equivalent)					
1							
2							
3							

Attached are copies of statements of access to financial resources and complying with the requirements.

Form FIN – 4: Current Contract Commitments / Works in Progress

Bidders and each partner to a JV should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

	Current Contract Commitments							
No.	Name of Contract	Employer's Contact Address, Tel, Fax	Value of Outstanding Work [Current EURO Equivalent]	Estimated Completion Date	Average Monthly Invoicing Over Last Six Months [EURO/month)]			
1								
2								
3								
4								
5								

Form EXP – 1: General Construction Experience

Each Bidder or member of a JV must fill in this form

General Construction Experience						
Starting Month Year	nth Month Years		Month Years Name and Address of Employer Brief Description of the Works Executed			

Form EXP – 2(a): Specific Construction Experience

Fill up one (1) form per contract.

Contract of Similar Size and Nature							
Contract No of	Contract Identification						
Award Date		Completion Date					
Role in Contract	Contractor	Management Contractor	Subcontractor				
Total Contract Amount		EURO					
If partner in a JV or subcontractor, specify participation of total contract amount	Percent of Total	Am	ount				
Employer's Name Address Telephone/Fax Number E-mail							
Description of	the similarity in accord	ance with Criteria 2.4.2(a) of Section III				

Form EXP – 2(b): Specific Construction Experience in Key Activities

Fill up one (1) form per contract

Contract with Similar Key Activities						
Contract No of	Contract Identification					
Award Date		Completion Date				
Role in Contract	Contractor	 Management Contractor Subcontractor 				
Total Contract Amount		EURO				
If partner in a JV or subcontractor, specify participation of total contract amount	Percent of Total	Amount				
Employer's Name Address Telephone Number Fax Number E-mail						
Description of the	e key activities in accor	dance with Criteria 2.4.2(b) of Section III				

Form EXP – 2(b-1): Summary of Specific Construction Experience in Key Activities per year

Each Bidder or member of a JV must fill in this form

Earthworks and rock excavation	Year / Quantity performed by the Bidder (m ³ /year)				
Project name	2006	2007	2008	2009	2010
Total:					

Asphalt concrete production	Year / Quantity performed by the Bidder (t/year)				
Project name	2006	2007	2008	2009	2010
Total:					

Structural concrete production and placement	Year / Quantity performed by the Bidder (m ³ /year)				
Project name	2006	2007	2008	2009	2010
Total:					

Form of Bid Security

(Bank Guarantee)

Beneficiary: Koridori Srbije d.o.o. Beograd, 21 Kralja Petra Street, 11000 Belgrade, Republic of Serbia

Date:

BID GUARANTEE No.:

We have been informed that ______ (hereinafter called "the Bidder") has submitted to you its bid dated ______ (hereinafter called "the Bid") for the execution of ______ under Invitation for Bids No. ______ ("the IFB").

Furthermore, we understand that, according to your conditions, bids must be supported by a bid guarantee.

At the request of the Bidder, we _____ hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ______ (_____)* upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified by the Bidder in the Form of Bid; or
- (b) having been notified of the acceptance of its Bid by the Employer during the period of bid validity, (i) fails or refuses to execute the Contract Agreement or (ii) fails or refuses to furnish the performance security, in accordance with the ITB.

This guarantee will expire: (a) if the Bidder is the successful Bidder, upon our receipt of copies of the contract signed by the Bidder and the performance security issued to you upon the instruction of the Bidder; and (b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy your notification to the Bidder of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of the Bidder's bid.

Consequently, any demand for payment under this guarantee must be received by us at the office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758.

[signature(s)]

Failure to provide Bid Security in accordance with the above form may lead to the rejection of the bid.

Note: All italicized text is for use in preparing this form and shall be deleted from the final product.

^{*} If the Bidder is from Employer's country, due to official regulations, than the following text may be inserted: 'in Serbian Dinars counter value at the official middle rate of exchange of the National Bank of Serbia prevailing on the date of payment''

Section V. Eligible Countries

Eligibility for the Provision of Goods, Works and Services in Bank-Financed Procurement

- 1. In accordance with EIB's Guide to Procurement Version February 2004, Section 1 General Aspects, Para 1.3 Eligibility of Contractors and Suppliers of Goods and Services, and Section 3 Operations outside the European Union, Para 3.2 Eligibility of Providers of Works, Goods and Services, the Bank permits firms and individuals from all countries to offer goods, works and services for Bank-financed projects. As an exception, firms of a Country or goods manufactured in a Country may be excluded if:
 - (i): as a matter of law or official regulation, the Borrower's Country prohibits commercial relations with that Country, provided that the Bank is satisfied that such exclusion does not preclude effective competition for the supply of the Goods or Works required, or
 - (ii): by an Act of Compliance with a Decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower's Country prohibits any import of goods from that Country or any payments to persons or entities in that Country.
- 2. For the information of borrowers and bidders, at the present time firms, goods and services from the following countries are excluded from this bidding:
 - (a) With reference to paragraph 1 (i) of above: not applicable
 - (b) With reference to paragraph 1 (ii) of above: not applicable