



*Tajikistan*

**Invitation to Bid**  
**312/2010/ITB/UNDP/GF-TB**

Date: **23.09.2010**

Dear Sir/Madam,

Subject: **Construction of TB Prison Hospital for 100 beds, to be located at Vakhdat prison**

We hereby solicit your bid for the provision of civil-building works/services specified in Annex VI of the bidding document.

1. To enable you to submit a bid, please find enclosed:

|             |  |
|-------------|--|
| Annex I.    | Instructions to Bidders                                |
| Annex II.   | Bid Data Sheet   |
| Annex III.  | General Terms and Conditions                           |
| Annex IV.   | Special Conditions                                     |
| Annex V.    | Bid Submission Form                                    |
| Annex VI.   | Check list   |
| Annex VII.  | Bill of Quantities                                     |
| Annex VIII. | Performance Security (Bank guarantee)                  |
| Annex IX.   | Performance Bank Guarantee                             |
| Annex X.    | Specification and requirement on Execution of Contract |
| Annex XI.   | Design drawings  |

2. Interested Bidders may obtain further information at the following address:

Name of the office: Country office UNDP, Tajikistan, 39, Ayni street, Dushanbe

E-mail: [procurement.tj@undp.org](mailto:procurement.tj@undp.org)

Web site UNDP, Tajikistan [www.undp.tj](http://www.undp.tj) , procurement; and [www.ungm.org](http://www.ungm.org)

3. Pre-tender conference will be conducted on **September 30<sup>th</sup>, 2010, 15:00 hours local time (GMT+5)**, at the following address UNDP Country Office, Dushanbe, 39 Aini Street.

4. Bids should be submitted in the sealed envelope and deposited at the designated box at the entrance of the UNDP Office in Tajikistan at the following address: 39, Aini Street, Dushanbe, Tajikistan not later than **October 18<sup>th</sup>, 2010, 12:00 hours (local time)**. The cover of the envelope should contain the following information - ITB Reference Number, the Date of Submission and the Name of the Bidder. All bids should be duly signed and stamped. Bids that are not duly signed and stamped, as well as late bids will be disqualified automatically. All requests for clarifications should be sent to the following email address: [procurement.tj@undp.org](mailto:procurement.tj@undp.org). No phone calls please.

5. The opening of the bids will be held on **October 18<sup>th</sup>, 2010, at 15:00 hours (local time)** in UNDP Tajikistan Office, Dushanbe, 39 Aini Street.

6. This letter is not to be construed in any way as an offer to contract with your firm.

Sincerely,

Michael Jones,  
UN Resident Coordinator  
Resident Representative UNDP Tajikistan.

## INSTRUCTIONS TO BIDDERS

### A. Introduction

1. **General:** The UNDP in Tajikistan invites Sealed Bids for participating in tender for Civil-building works for the «Construction of TB Prison Hospital for 100 beds, to be located at facility 3/13, under jurisdiction of MoJ of the ROT. Address: the Republic of Tajikistan, Vakhdat district, djamoat Bahor.
2. **Eligible Bidders:**  
  
Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design specifications, and other documents to be used for the procurement of civil works services to be purchased under this Invitation to Bids;  
Bidders are not eligible if:
  - their participation is prohibited by the UN Security Council sanctions;
  - their participation in civil/construction related activities in the Republic of Tajikistan is prohibited on the basis of previously made violations of law on fraud and corruption.
3. **Cost of Bid:** The Bidder shall bear all costs associated with the preparation and submission of the Bid, and the procuring UN entity will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the solicitation.

### B. Solicitation Documents

4. **Examination of Solicitation Documents:** The Bidder is expected to examine all corresponding instructions, forms, terms and specifications contained in the Solicitation Documents. Failure to comply with these documents will be at the Bidder's risk and may affect the evaluation of the Bid.
5. **Clarification of Solicitation Documents:** A prospective Bidder requiring any clarification of the Solicitation Documents may notify the procuring entity **in writing**. The response will be made in writing to any request for clarification of the Solicitation Documents that it receives earlier than five days prior to the Deadline for the Submission of Bids. Written copies of the response (including an explanation of the query but without identifying the source of inquiry) will be posted at [www.undp.tj](http://www.undp.tj) website, reference to procurement.
6. **Amendments of Solicitation Documents:** No later than five days prior to the Deadline for Submission of Bids, the procuring entity may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, amend the Solicitation Documents. All prospective Bidders that have received the Solicitation Documents will be notified in writing of any amendments. In order to afford prospective Bidders reasonable time in which to take the amendments into account in preparing their offers, the procuring entity may, at its discretion, extend the Deadline for the Submission of Bids.

### C. Preparation of Bids

7. **Language of the Bid:** The Bid prepared by the Bidder and all correspondence and documents relating to the Bid exchanged by the Bidder and the procuring entity shall be written in the language indicated on the Bid Data Sheet.
8. **Documents Comprising the Bid:**  
  
The Bid must comprise the following documents:
  - (a) Bid Submission form;
  - (b) Price Schedule completed in accordance with the Annex VII and clause 11 of Instructions to Bidders;
  - (c) documentary evidence established in accordance with clause 9 of Instructions to Bidders that the Bidder is eligible to and is qualified to perform the contract if its Bid is accepted,
  - (d) documentary evidence established in accordance with clause 10 of Instructions to Bidders that the goods and ancillary services to be supplied by the Bidder are eligible goods and services and conform to the Bidding Documents;
9. **Documents Establishing Bidder's Eligibility and Qualifications:**

The Bidder shall furnish evidence of its status as qualified Supplier. The documentary evidence of the Bidder's qualifications to perform the contract if its Bid is accepted shall be established to the UNDP Tajikistan satisfaction:

- (a) The Bidder has the financial, technical, and production capability necessary to perform the contract.
  - Bank account
  - List of management staff of the company
  - List of the equipment and machinery in possession of the company
- (b) Copy of valid licenses permitting to perform construction/renovation works;
- (c) Schedule of work;
- (d) Annual Balance Sheets of the company and profit and loss statements for the 2006 and 2007;
- (e) List of completed projects (with the value of the projects) for the last 3 years and list of contact persons of clients;

#### **10. Documents Establishing Goods' Conformity to Bidding Documents:**

The Bidder shall also furnish as part of its Bid, documents establishing the conformity to the Bidding Documents of all goods and related services, which the Bidder proposes to supply under the contract.

The documentary evidence of conformity to the Bidding Documents may be in the form of literature, drawings, and data, and shall consist of:

- (a) A detailed description of the essential technical and performance characteristics of the goods;
- 11. Bid Currencies/Bid Prices:** All prices shall be quoted in US dollars or in other convertible currency. The Bidder shall indicate unit and total prices stated in Bill of Quantities for the works/services it proposes to perform under the contract.
- 12. Period of Validity of Bids:** Bids shall remain valid for **120** days after the date of Bid Submission prescribed by the procuring UN entity pursuant to clause 16 of Instructions to Bidders. A Bid valid for a shorter period may be rejected as non-responsive pursuant to clause 20 of Instructions to Bidders. In exceptional circumstances, the procuring UN entity may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. Bidders granting the request will not be required nor permitted to modify their Bids.

#### **13. Bid Security:**

- (a) Bidder have to present performance (warranty) bond for the amount of **10,000.00** (ten thousand) USD
- (b) Performance (warranty) bond will secure Client from the risk of confiscation, in accordance with below-mentioned clause (g)
- (c) Performance (warranty) Bond shall be presented in a currency requested by the Client, or any other convertible currency, but in below-mentioned form and content:
  - i. Bank guarantee or bail, presented by accountable bank, located either inside or outside the Republic of Tajikistan, in a format corresponding with Bid Application, or:
  - ii. Bank or certified check
- (d) Any Bid, with no Performance (warranty) Bond will be rejected as not meeting bidding criteria, in accordance with Article 13, clause a and c,
- (e) Performance (warranty) Bonds of Non-winning and non-qualifying Bidders will be annulled and given back, not later than 30 (thirty) days following closing date (deadline) of term of an application, in accordance with Article 12 – Instruction for Bidders
- (f) Performance (warranty) bond of the winning Bidder will be given back after signing the Contract, in accordance with Article 26 and 27 on Instruction for Bidders
- (g) Performance (warranty) Bond will be confiscated in case if:
  - 1) Bidder excludes his bid during term of an application, indicated by Bidder in a Bidding Application Form, or:
  - 2) If the winning Bid application had successfully met tender's criteria, but missing:
    - i. Signature of the Client in accordance with Article 26 – Instruction for Bidders, or:
    - ii. Performance (warranty) bond, in accordance with Article 27 – Instruction for Bidders.

#### **D. Submission of Bids**

- 14. Format and Signing of Bid:** The Bidder shall prepare one copy of the Bid, clearly marking "Original Bid" as appropriate. The copy of the Bid shall be typed (no written in ink) and printed. It should be fulfilled BOQ in Excell form (attached BOQ, solicitation

document #04). The Bidder should specify the name of organization/company and unit price only, the sum will be calculated automatically. All other columns and lines are protected and would not be changed. The copy of the Bid shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract and stamped. A Bid shall contain no interlineations, erasures, or overwriting except, as necessary to correct errors made by the Bidder, in which case such corrections shall be initialed by the person or persons signing the bid.

#### **15. Sealing and Marking of Bids:**

15.1 The Bidder shall seal the original of the Bid in envelope, duly marking the envelopes as "ORIGINAL".

15.2 The envelope shall:

- (a) be addressed to the Purchaser at the address given in section I of these Solicitation Documents; and
- (b) make reference to the "subject" indicated in section I of these Solicitation Documents, and a statement: "DO NOT OPEN BEFORE", to be completed with the time and the date specified in section I of these Solicitation Documents for Bid Opening pursuant to clause 16 of Instructions to Bidders.

15.3 The envelope shall also indicate the name and address of the Bidder to enable the Bid to be returned unopened in case it is declared "late".

15.4 If the envelope is not sealed and marked as required by clause 15.2 of Instructions to Bidders, the Purchaser will assume no responsibility for the Bid's misplacement or premature opening.

#### **16. Deadline for Submission of Bids/Late Bids:**

16.1 Bids must be delivered to the UNDP office on or before the date and time specified in section I of these Solicitation Documents.

16.2 The Purchaser may, at its discretion, extend this deadline for the submission of the bids by amending the Bidding Documents in accordance with clause 6 of Instructions to Bidders, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

16.3 Any Bid received by the Purchaser after the Deadline for Submission of Bids will be rejected and returned unopened to the Bidder.

17. **Modification and Withdrawal of Bids:** The Bidder may withdraw its Bid after submission, provided that written notice of the withdrawal is received by the procuring UN entity prior to the deadline for submission. No Bid may be modified after passing of the Deadline for Submission of Bids. No Bid may be withdrawn in the interval between the Deadline for Submission of Bids and the expiration of the Period of Bid Validity.

#### **E. Opening and Evaluation of Bids**

#### **18. Opening of Bids:**

18.1 The Client will open all Bids in the presence of Bidders or their Representatives, assigned by the Bidders, at the time, date and the place specified in section I of this Solicitation (Tender) Document. The Bidders' Representatives who are present shall sign a register evidencing their attendance.

18.2 The bidders' names, Bid Modifications or withdrawals, bid Prices, discounts, and the presence or absence of requisite Bid Security and such other details as the purchaser, at its discretion, may consider appropriate, will be announced at the opening. No Bid shall be rejected at Bid Opening, except for Late Bids, which shall be returned unopened to the Bidder pursuant to clause 20 of Instructions to Bidders.

18.3 Bids (and modifications sent pursuant to clause 17 of Instructions to Bidders) that are not opened and read out at Bid Opening shall not be considered further for evaluation, irrespective of the circumstances. Withdrawn Bids will be returned unopened to the Bidders.

18.4 The Purchaser will prepare minutes of the Bid Opening.

19. **Clarification of Bids:** To assist in the examination, evaluation and comparison of Bids the procuring UN entity may at its discretion ask the Bidder for clarification of its Bid. The request for clarification and the response shall be in writing and no change in price or substance of the Bid shall be sought, offered or permitted.
20. **Preliminary Examination:**
- 20.1 Prior to the detailed evaluation, the Purchaser will determine the substantial responsiveness of each Bid to the Invitation to Bid (ITB). A substantially responsive Bid is one, which conforms to all the terms and conditions of the ITB without material deviations.
- 20.2 The Purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether the documents have been properly signed, and whether the bids are generally in order.
- 20.3 Arithmetical errors will be rectified on the following basis: 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. If the Bidder does not accept the correction of errors, its Bid will be rejected. If there is a discrepancy between words and figures the amount in words will prevail.
- 20.4 A Bid determined as not substantially responsive will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the non-conformity.
21. **Conversion to Single Currency:** To facilitate evaluation and comparison, the Purchaser will convert all Bid Prices expressed in the amounts in various currencies in which the Bid Prices are payable to US dollars at the official UN exchange rate on the last day for Submission of Bids.
22. **Evaluation of Bids:** Determination of compliance with the Solicitation Documents is based on the content of the Bid itself without recourse to extrinsic evidence.

| Evaluation Criteria |  |
|---------------------|--|
| 1.1                 | Fitness of documents, affirming status of the Supplier or Service Provider (Company Profile, experience in such kind of projects, presentation of the certificates, qualification of the Bid Applicant to perform works/service in accordance with BOQ line) |
| 1.2                 | Compliance of the Bidder with the price conditions, provided by ITB  |
| 1.3                 | Agreement with the quality requirements  |
| 1.4                 | Compliance of the Bidder with General Requirement of the UNDP regarding civil-erection works, indicated at current ITB   |
| 1.5                 | Availability of the documents, justifying compliance with the requirements of the Tender Documentation.  |

## F. Award of Contract

23. **Award Criteria:** The procuring UN entity will Issue the Purchase Order to the lowest priced technically qualified Bidder. The Purchaser reserves the right to accept or reject any Bid, to annul the solicitation process and reject all Bids at any time prior to award of purchase order, without thereby incurring any liability to the affected Bidder(s) or any obligation to provide information on the grounds for the purchaser's action.
24. **Purchaser's Right to Vary Requirements at Time of Award:** The Purchaser reserves the right at the time of making the award of contract to increase or decrease by up to 20 % the quantity of goods/works/services specified in the Schedule of Requirements without any change in unit price or other terms and conditions.
25. **Notification of Award:** Prior to the expiration of the period of Bid Validity, the Purchaser will send the successful Bidder the Purchase Order. The Purchase Order may only be accepted by the Supplier signing and returning an acknowledgement copy of it or by timely delivery of the services in accordance with the terms of this purchase order, as herein specified. Acceptance of this Purchase Order shall affect a contract between the parties under which the rights and obligations of the parties shall be governed solely by the terms and conditions of this purchase order.
26. **Signing of the Purchase Order:** Within 10 days of receipt of the Purchase Order the successful Bidder shall sign, date and return it to the purchaser.
27. **Performance Security:** The successful Bidder shall provide the Performance Security on the Performance Security Form provided for in these Solicitation Documents, within 10 days of receipt of the Purchase Order from the purchaser.

Failure of the successful Bidder to comply with the requirement of clause 26 or clause 27 of Instructions to Bidders shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security, in which event the Purchaser may make the award to the next lowest evaluated Bidder or call for new Bids.

## BID DATA SHEET

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instruction to Bidders. Whenever there is a conflict, the provisions herein shall prevail over those in the Instructions to Bidders.

| Relevant clause(s) of Instruction to Bidders                 | Specific data complementing, supplementing, or amending instructions to Bidders   |
|--|---|
| Language of the Bid  | <b><u>English</u></b> and/or <b><u>Russian</u></b>  |
| Bid Price  | Price component of the proposed bid should be presented in the format provided in the form indicated as per Annex VII.  |
| Schedule time  | As per Engineers estimation time limit for the execution of civil-erection works is 15 (fifteen) months, following the date of contract signing.  |
| Documents Establishing Bidder's Eligibility & Qualifications | Required, as per Instruction to Bidders (Annex I) and Check list (Annex VI). Non submission of these documents may serve as a ground for UNDP to reject the bid as non-compliant and non-responsive. Civil-Erection Works             |
| Bid Validity Period.   | <b>120</b> (one hundred twenty) days from the date of bid opening; <input type="checkbox"/> If different, please specify.....   |
| Bid Security   | <input checked="" type="checkbox"/> Required. <input type="checkbox"/> <b>Not required.</b>   |
| Preliminary Examination – completeness of bid.               | <input checked="" type="checkbox"/> <b><u>Partial bids not permitted.</u></b>   |
| Compliance with any other clause required                    | The successful International bidder must confirm that within 30 days of notification of contract award will obtain necessary registrations, including the license authorizing civil/construction works in the Republic of Tajikistan. |
| Purchaser's Right to Vary Requirements at Time of Award      | <input checked="" type="checkbox"/> 20 percent increase or decrease remains unchanged.  |

## **General Conditions of Contract for Civil Works**

1. Definitions
2. Singular and Plural
3. Headings or Notes
4. Legal Relationships
5. General Duties/Powers of Engineer
6. Contractor's General Obligations/Responsibilities
7. Assignment and Subcontracting
8. Drawings
9. Work Book
10. Performance Security
11. Inspection of Site
12. Sufficiency of Tender
13. Programme of Work to be Furnished
14. Weekly Site Meeting
15. Change Orders
16. Contractor's Superintendence
17. Contractor's Employees
18. Setting-Out
19. Watching and Lighting
20. Care of Works
21. Insurance of Works, Etc.
22. Damage to Persons and Property
23. Liability Insurance
24. Accident or Injury to Workmen
25. Remedy on Contractor's Failure to Insure
26. Compliance with Statutes, Regulations, Etc.
27. Fossils, Etc.
28. Copyright, Patents and Other Proprietary Rights, and Royalties
29. Interference With Traffic and Adjoining Properties
30. Extraordinary Traffic and Special Loads
31. Opportunities for Other Contractors
32. Contractor to Keep Site Clean
33. Clearance of Site on Substantial Completion
34. Labour
35. Returns of Labour, Plant, Etc.
36. Materials, Workmanship and Testing
37. Access to Site
38. Examination of Work Before Covering Up
39. Removal of Improper Work and Materials
40. Suspension of Work
41. Possession of Site
42. Time for Completion
43. Extension of Time for Completion
44. Rate of Progress
45. Liquidated Damages for Delay



46. Certificate of Substantial Completion
47. Defects Liability
48. Alterations, Additions and Omissions
49. Plant, Temporary Works and Materials
50. Approval of Materials, Etc., Not Implied
51. Measurement of Works
52. Liability of the Parties
53. Authorities
54. Urgent Repairs
55. Increase and Decrease of Costs
56. Taxation
57. Blasting
58. Machinery
59. Temporary Works and Reinstatement
60. Photographs and Advertising
61. Prevention of Corruption
62. Date Falling on Holiday
63. Notices
64. Language, Weights and Measures
65. Records, Accounts, Information and Audit
66. Force Majeure
67. Suspension by the UNDP
68. Termination by the UNDP
69. Termination by the Contractor
70. Rights and Remedies of the UNDP
71. Settlement of Disputes
72. Privileges and Immunities

## **1. DEFINITIONS**

For the purpose of the Contract Documents the words and expressions below shall have the following meanings:

"Employer" means the United Nations Development Programme (UNDP).

"Contractor" means the person whose tender has been accepted and with whom the Contract has been entered into.

"Engineer" means the person whose services have been engaged by UNDP to administer the Contract as provided therein, as will be notified in writing to the Contractor.

"Contract" means the written agreement between the Employer and the Contractor, to which these General Conditions are annexed.

"The Works" means the works to be executed and completed under the Contract.

"Temporary Works" shall include items to be constructed which are not intended to be permanent and form part of the Works.

"Drawings" and "Specifications" mean the Drawings and Specifications referred to in the Contract and any modification thereof or addition thereto furnished by the Engineer or submitted by the Contractor and approved in writing by the Engineer in accordance with the Contract.

"Bill of Quantities" is the document in which the Contractor indicates the cost of the Works, on the basis of the foreseen quantities of items of work and the fixed unit prices applicable to them.

"Contract Price" means the sum agreed in the Contract as payable to the Contractor for the execution and completion of the Works and for remedying of any defects therein in accordance with the Contract.

"Site" means the land and other places on, under, in or through which the Works or Temporary Works are to be constructed.

## **2. SINGULAR AND PLURAL**

Words importing persons or parties shall include firms or companies and words importing the singular only shall also include the plural and vice versa where the context requires.

## **3. HEADINGS OR NOTES**

The headings or notes in the Contract Documents shall not be deemed to be part thereof or be taken into consideration in their interpretation.

## **4. LEGAL RELATIONSHIPS**

The Contractor and the sub-contractor(s), if any, shall have the status of an independent contractor vis-à-vis the Employer. The Contract Documents shall not be construed to create any contractual relationship of any kind between the Engineer and the

Contractor, but the Engineer shall, in the exercise of his duties and powers under the Contract, be entitled to performance by the Contractor of its obligations, and to enforcement thereof. Nothing contained in the Contract Documents shall create any contractual relationship between the Employer or the Engineer and any subcontractor(s) of the Contractor.

## **5. GENERAL DUTIES/POWERS OF ENGINEER**

The Engineer shall provide administration of Contract as provided in the Contract Documents. In particular, he shall perform the functions hereinafter described.

The Engineer shall be the Employer's representative vis-à-vis the Contractor during construction and until final payment is due. The Engineer shall advise and consult with the Employer. The Employer's instructions to the Contractor shall be forwarded through the Engineer. The Engineer shall have authority to act on behalf of the Employer only to the extent provided in the Contract Documents as they may be amended in writing in accordance with the Contract. The duties, responsibilities and limitations of authority of the Engineer as the Employer's representative during construction as set forth in the Contract shall not be modified or extended without the written consent of the Employer, the Contractor and the Engineer.

The Engineer shall visit the Site at intervals appropriate to the stage of construction to familiarize himself generally with the progress and quality of the Works and to determine in general if the Works are proceeding in accordance with the Contract Documents. On the basis of his on-site observations as an Engineer, he shall keep the Employer informed of the progress of the Works.

The Engineer shall not be responsible for and will not have control or charge of construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Works or the Temporary Works. The Engineer shall not be responsible for or have control or charge over the acts or omissions of the Contractor (including the Contractor's failure to carry out the Works in accordance with the Contract) and of Sub-contractors or any of their agents or employees, or any other persons performing services for the Works, except if such acts or omissions are caused by the Engineer's failure to perform his functions in accordance with the contract between the Employer and the Engineer.

The Engineer shall at all times have access to the Works wherever and whether in preparation or progress. The Contractor shall provide facilities for such access so that the Engineer may perform his functions under the Contract.

Based on the Engineer's observations and an evaluation of the documentation submitted by the Contractor together with the invoices, the Engineer shall determine the amounts owed to the Contractor and shall issue Certificates for Payment as appropriate.

The Engineer shall review and approve or take other appropriate action upon the Contractor's submittals such as Shop Drawings, Product Data and Samples, but only for conformity with the design concept of the Works and with the provisions of the Contract Documents. Such action shall be taken with reasonable promptness so as to cause no delay. The Engineer's approval of a specific item shall not indicate approval of an assembly of which the item is a component.

The Engineer shall interpret the requirements of the Contract Documents and judge the performance thereunder by the Contractor. All interpretations and orders of the Engineer shall be consistent with the intent of and reasonably inferable from the Contract Documents and shall be in writing or in the form of drawings. Either party may make a written request to the Engineer for such interpretation. The Engineer shall render the interpretation necessary for the proper execution of the Works with reasonable promptness and in accordance with any time limit agreed upon. Any claim or dispute arising from the interpretation of the Contract Documents by the Engineer or relating to the execution or progress of the Works shall be settled as provided in Clause 71 of these General Conditions.

Except as otherwise provided in the Contract, the Engineer shall have no authority to relieve the Contractor of any of his obligations under the Contract nor to order any work involving delay in completion of the Works or any extra payment to the Contractor by the Employer, or to make any variations to the Works.

In the event of termination of the employment of the Engineer, the Employer shall appoint another suitable professional to perform the Engineer's duties.

The Engineer shall have authority to reject work which does not conform to the Contract Documents. Whenever, in his opinion, he considers it necessary or advisable for the implementation of the intent of the Contract Documents, he will have authority to require special inspection or testing of the work whether or not such work be then fabricated, installed or completed. However, neither the Engineer's authority to act nor any reasonable decision made by him in good faith either to exercise or not to exercise such authority shall give rise to any duty or responsibility of the Engineer to the Contractor, any subcontractor, any of their agents or employees, or any other person performing services for the Works.

The Engineer shall conduct inspections to determine the dates of Substantial Completion and Final Completion, shall receive and forward to the Employer for the Employer's review written warranties and related documents required by the Contract and assembled by the Contractor, and shall issue a final Certificate for Payment upon compliance with the requirements of Clause 47 hereof and in accordance with the Contract.

If the Employer and Engineer so agree, the Engineer shall provide one or more Engineer's Representative(s) to assist the Engineer in carrying out his responsibilities at the site. The Engineer shall notify in writing to the Contractor and the Employer the duties, responsibilities and limitations of authority of any such Engineer's Representative(s).

## **6. CONTRACTOR'S GENERAL OBLIGATIONS/RESPONSIBILITIES**

### **6.1 Obligation to Perform in Accordance with Contract**

The Contractor shall execute and complete the Works and remedy any defects therein in strict accordance with the Contract, with due care and diligence and to the satisfaction of the Engineer, and shall provide all labor, including the supervision thereof, materials, Constructional Plant and all other things, whether of a temporary or permanent nature, required in and for such execution, completion and remedying of defects, as far as the necessity for providing the same is specified in or is reasonably to be inferred from the Contract. The Contractor shall comply with and adhere strictly to the Engineer's instructions and directions on any matter, touching or concerning the Works.

### **6.2 Responsibility for Site Operations**

The Contractor shall take full responsibility for the adequacy, stability and safety of all site operations and methods of construction, provided that the Contractor shall not be responsible, except as may be expressly provided in the Contract, for the design or specification of the Permanent Works or of any Temporary Works prepared by the Engineer.

### **6.3 Responsibility for Employees**

The Contractor shall be responsible for the professional and technical competence of his employees and will select for work under this Contract, reliable individuals who will perform effectively in the implementation of the Contract, respect local customs and conform to a high standard of moral and ethical conduct.

### **6.4 Source of Instructions**

The Contractor shall neither seek nor accept instructions from any authority external to the Employer, the Engineer or their authorized representatives in connection with the performance of his services under this Contract. The Contractor shall refrain from any action which may adversely affect the Employer and shall fulfill his commitments with fullest regard for the interest of the Employer.

### **6.5 Officials Not to Benefit**

The Contractor warrants that no official of the Employer has been or shall be admitted by the Contractor to any direct or indirect benefit arising from this Contract or the award thereof. The Contractor agrees that breach of this provision is a breach of an essential term of the Contract.

### **6.6 Use of Name, Emblem or Official Seal of UNDP or the United Nations**

The Contractor shall not advertise or otherwise make public the fact that he is performing, or has performed services for the Employer or use the name, emblem or official seal of the Employer or the United Nations or any abbreviation of the name of the Employer or the United Nations for advertising purposes or any other purposes.

### **6.7 Confidential Nature of Documents**

All maps, drawings, photographs, mosaics, plans, reports, recommendations, estimates, documents and all other data compiled by or received by the Contractor under the Contract shall be the property of the Employer, shall be treated as confidential and shall be delivered only to the duly authorized representative of the Employer on completion of the Works; their contents shall not be made known by the Contractor to any person other than the personnel of the Contractor performing services under this Contract without the prior written consent of the Employer.

## **7. ASSIGNMENT AND SUBCONTRACTING**

## **7.1 Assignment of Contract**

The Contractor shall not, except after obtaining the prior written approval of the Employer, assign, transfer, pledge or make other disposition of the Contract or any part thereof or of any of the Contractor's rights, claims or obligations under the Contract.

## **7.2 Subcontracting**

In the event the Contractor requires the services of subcontractors, the Contractor shall obtain the prior written approval of the Employer for all such subcontractors. The approval of the Employer shall not relieve the Contractor of any of his obligations under the Contract, and the terms of any subcontract shall be subject to and be in conformity with the provisions of the Contract.

## **7.3 Assignment of Subcontractor's Obligations**

In the event of a subcontractor having undertaken towards the Contractor in respect of the work executed or the goods, materials, Plant or services supplied by such subcontractor for the Works, any continuing obligation extending for a period exceeding that of the Defects Liability Period under the Contract, the Contractor shall at any time after the expiration of such Period, assign to the Employer, at the Employer's request and cost, the benefit of such obligation for the unexpired duration thereof.

## **8. DRAWINGS**

### **8.1 Custody of drawings**

The drawings shall remain in the sole custody of the Employer but two (2) copies thereof shall be furnished to the Contractor free of cost. The Contractor shall provide and make at his own expense any further copies required by him. At the completion of the Works, the Contractor shall return to the Employer all drawings provided under the Contract.

### **8.2 One copy of Drawings to be kept on Site**

One copy of the Drawings furnished to the Contractor as aforesaid shall be kept by the Contractor on the Site and the same shall at all reasonable times be available for inspection and use by the Engineer and by any other person authorized in writing by the Engineer.

### **8.3 Disruption of Progress**

The Contractor shall give written notice to the Engineer whenever planning or progress of the Works is likely to be delayed or disrupted unless any further drawing or order, including a direction, instruction or approval, is issued by the Engineer within a reasonable time. The notice shall include details of drawing or order required and of why and by when it is required and of any delay or disruption likely to be suffered if it is late.

## **9. WORK BOOK**

The Contractor shall maintain a Work Book at the Site with numbered pages, in one original and two copies. The Engineer shall have full authority to issue new orders, drawings and instructions to the Contractor, from time to time and as required for the correct execution of the Works. The Contractor shall be bound to follow such orders, drawings and instructions.

Every order shall be dated and signed by the Engineer and the Contractor, in order to account for its receipt.

Should the Contractor want to refuse an order in the Work Book, he shall so inform the Employer, through the Engineer, by means of an annotation in the Work Book made within three (3) days from the date of the order that the Contractor intends to refuse. Failure by the Contractor to adhere to this procedure shall result in the order being deemed accepted with no further possibility of refusal.

The original of the Work Book shall be delivered to the Employer at the time of Final Acceptance of the Works. A copy shall be kept by the Engineer and another copy by the Contractor.

## **10. PERFORMANCE SECURITY**

As guarantee for his proper and efficient performance of the Contract, the Contractor shall on signature of the Contract furnish the Employer with a Performance Security issued for the benefit of the Employer. The amount and character of such security (bond or guarantee) shall be as indicated in the Contract.

The Performance Bond or Bank Guarantee must be issued by an acceptable insurance company or accredited bank, in the format included in Appendix I to these General Conditions, and must be valid up to twenty-eight days after issuance by the Engineer of the Certificate of Final Completion. The Performance Bond or Bank Guarantee shall be returned to the Contractor within twenty-eight days after the issuance by the Engineer of the Certificate of Final Completion, provided that the Contractor shall have paid all money owed to the Employer under the Contract.

If the surety of the Performance Bond or Bank Guarantee is declared bankrupt or becomes insolvent or its right to do business in the country of execution of the Works is terminated, the Contractor shall within five (5) days thereafter substitute another bond or guarantee and surety, both of which must be acceptable to the Employer.

## **11. INSPECTION OF SITE**

The Contractor shall be deemed to have inspected and examined the site and its surroundings and to have satisfied himself before submitting his Tender and signing the Contract as to all matters relative to the nature of the land and subsoil, the form and nature of the Site, details and levels of existing pipe lines, conduits, sewers, drains, cables or other existing services, the quantities and nature of the work and materials necessary for the completion of the Works, the means of access to the Site, and the accommodation he may require, and in general to have himself obtained all necessary information as to risk contingencies, climatic, hydrological and natural conditions and other circumstances which may influence or affect his Tender, and no claims will be entertained in this connection against the Employer.

## **12. SUFFICIENCY OF TENDER**

The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his Tender for the construction of the Works and of the rates and prices, which rates and prices shall, except in so far as it is otherwise provided in the Contract, cover all his obligations under the Contract and all matters and things necessary for the proper execution and completion of the Works.

## **13. PROGRAMME OF WORK TO BE FURNISHED**

Within the time limit specified in the Contract, the Contractor shall submit to the Engineer for his consent a detailed Programme of Work showing the order of procedure and the method in which he proposes to carry out the Works. In preparing his Programme of Work the Contractor shall pay due regard to the priority required by certain works. Should the Engineer, during the progress of work, require further modifications to the Programme of Work, the Contractor shall review the said program. The Contractor shall also whenever required by the Engineer submit particulars in writing of the Contractor's arrangements for carrying out the Works and of the Constructional Plant and Temporary Works which the Contractor intends to supply, use or construct as the case may be. The submission of such program, or any modifications thereto, or the particulars required by the Engineer, shall not relieve the Contractor of any of his duties or obligations under the Contract nor shall the incorporation of any modification to the Programme of Work either at the commencement of the contract or during its course entitle the Contractor to any additional payments in consequence thereof.

## **14. WEEKLY SITE MEETING**

A weekly site meeting shall be held between the UNDP Project Coordinator or engineer, if any, the representative of the Contractor and the Engineer or the Engineer's Representative, in order to verify that the Works are progressing normally and are executed in accordance with the Contract.

## **15. CHANGE ORDERS**

- a) The Engineer may instruct the Contractor, with the approval of the Employer and by means of Change Orders, all variations in quantity or quality of the Works, in whole or in part, that are deemed necessary by the Engineer.
- b) Processing of change orders shall be governed by clause 48 of these General Conditions.

## **16. CONTRACTOR'S SUPERINTENDENCE**

The Contractor shall provide all necessary superintendence during the execution of the Works and as long thereafter as the Engineer may consider necessary for the proper fulfillment of the Contractor's obligations under the Contract. The Contractor or a

competent and authorized agent or representative of the Contractor approved in writing by the Engineer, which approval may at any time be withdrawn, shall be constantly on the site and shall devote his entire time to the superintendence of the Works. Such authorized agent or representative shall receive on behalf of the Contractor directions and instructions from the Engineer. If the approval of such agent or representative shall be withdrawn by the Engineer, as provided in Clause 17(2) hereinafter, or if the removal of such agent or representative shall be requested by the Employer under Clause 17(3) hereinafter, the Contractor shall as soon as it is practicable after receiving notice of such withdrawal remove the agent or representative from the Site, and replace him by another agent or representative approved by the Engineer. Notwithstanding the provision of Clause 17(2) hereinafter, the Contractor shall not thereafter employ, in any capacity whatsoever, a removed agent or representative again on the Site.

## **17. CONTRACTOR'S EMPLOYEES**

The Contractor shall provide and employ on the Site in connection with the execution and completion of the Works and the remedying of any defects therein:

Only such technical assistants as are skilled and experienced in their respective callings and such sub-agent foremen and leading hands as are competent to give proper supervision to the work they are required to supervise, and

Such skilled, semi-skilled, and unskilled labour as is necessary for the proper and timely execution and completion of the Works.

The Engineer shall be at liberty to object to and require the Contractor to remove forthwith from the Works any person employed by the Contractor in or about the execution or completion of the Works, who in the opinion of the Engineer is misconducting himself, or is incompetent or negligent in the proper performance of his duties, or whose employment is otherwise considered reasonably by the Engineer to be undesirable, and such person shall not be again employed on the Site without the written permission of the Engineer. Any person so removed from the Works shall be replaced as soon as reasonably possible by a competent substitute approved by the Engineer.

Upon written request by the Employer, the Contractor shall withdraw or replace from the Site any agent, representative or other personnel who does not conform to the standards set forth in paragraph (1) of this Clause. Such request for withdrawal or replacement shall not be considered as termination in part or in whole of this Contract. All costs and additional expenses resulting from any withdrawal or replacement for whatever reason of any of the Contractor's personnel shall be at the Contractor's expense.

## **18. SETTING-OUT**

The Contractor shall be responsible for the true and proper setting out of the Works in relation to original points, lines and levels of reference given by the Engineer in writing and for the correctness of the position, levels, dimensions and alignment of all parts of the Works and for the provision of all necessary instruments, appliances and labor in connection therewith. If, at any time during the progress of the Works, any error shall appear or arise in the position, levels, dimensions or alignment of any part of the Works, the Contractor, on being required so to do by the Engineer, shall, at his own cost, rectify such error to the satisfaction of the Engineer.

## **19. WATCHING AND LIGHTING**

The Contractor shall in connection with the Works provide and maintain at his own cost all lights, guards, fencing and watching when and where necessary or required by the Engineer or by any duly constituted authority for the protection of the Works and the materials and equipment utilized therefor or for the safety and convenience of the public or others.

## **20. CARE OF WORKS**

From the commencement date of the Works to the date of substantial completion as stated in the Certificate of Substantial Completion, the Contractor shall take full responsibility for the care thereof and of all Temporary Works. In the event that any damage or loss should happen to the Works or to any part thereof or to any Temporary Works from any cause whatsoever (save and except as shall be due to Force Majeure as defined in Clause 66 of these General Conditions), the Contractor shall at his own cost repair and make good the same so that, at completion, the Works shall be in good order and condition and in conformity in every respect with the requirements of the Contract and the Engineer's instructions. The Contractor shall also be liable for any damage to the Works occasioned by him in the course of any operations carried out by him for the purpose of complying with his obligations Clause 47 hereof.

The Contractor shall be fully responsible for the review of the Engineering design and details of the Works and shall inform the Employer of any mistakes or incorrectness in such design and details which would affect the Works.

## **21. INSURANCE OF WORKS, ETC.**



Without limiting his obligations and responsibilities under Clause 20 hereof, the Contractor shall insure immediately following signature of this Contract, in the joint names of the Employer and the Contractor (a) for the period stipulated in Clause 20(1) hereof, against all loss or damage from whatever cause arising, other than cause of Force majeure as defined in clause 66 of these General Conditions, and (b) against loss or damage for which the Contractor is responsible, in such manner that the Employer and the Contractor are covered for the period stipulated in Clause 20 (1) hereof and are also covered during the Defects Liability Period for loss or damage arising from a cause occurring prior to the commencement of the Defects Liability Period and for any loss or damage occasioned by the Contractor in the course of any operations carried out by him for the purpose of complying with his obligations under Clause 47 hereof:

The Works, together with the materials and Plant for incorporation therein, to their full replacement cost, plus an additional sum of ten (10) per cent of such replacement cost, to cover any additional costs of and incidental to the rectification of loss or damage including professional fees and the cost of demolishing and removing any part of the Works and of removing debris of whatsoever nature;

The Contractor's equipment and other things brought on to the Site by the Contractor to the replacement value of such equipment and other things;

An insurance to cover the liabilities and warranties of Section 52(4);

Such insurance shall be effected with an insurer and in terms approved by the Employer, which approval shall not be unreasonably withheld, and the Contractor shall, whenever required, produce to the Engineer the policy or policies of insurance and the receipts for payment of the current premiums.

## **22. DAMAGE TO PERSONS AND PROPERTY**

The Contractor shall (except if and so far as the Contract provides otherwise) indemnify, hold and save harmless and defend at his own expense the Employer, its officers, agents, employees and servants from and against all suits, claims, demands, proceedings, and liability of any nature or kind, including costs and expenses, for injuries or damages to any person or any property whatsoever which may arise out of or in consequence of acts or omissions of the Contractor or its agents, employees, servants or subcontractors in the execution of the Contract. The provision of this Clause shall extend to suits, claims, demands, proceedings and liability in the nature of workmen's compensation claims and arising out of the use of patented inventions and devices. Provided always that nothing herein contained shall be deemed to render the Contractor liable for or in respect of or with respect to:

The permanent use or occupation of land by the Works or any part thereof;

The right of the Employer to construct the Works or any part thereof on, over, under, or through any land.

Interference whether temporary or permanent with any right of light, airway or water or other easement or quasi-easement which is the unavoidable result of the construction of the Works in accordance with the Contract.

Death, injuries or damage to persons or property resulting from any act or neglect of the Employer, his agents, servants or other contractors, done or committed during the validity of the Contract.

## **23. LIABILITY INSURANCE**

### **23.1. Obligation to take out Liability Insurance**

Before commencing the execution of the Works, but without limiting his obligations and responsibility under Clause 20 hereof, the Contractor shall insure against his liability for any death, material or physical damage, loss or injury which may occur to any property, including that of the Employer or to any person, including any employee of the Employer by or arising out of the execution of the Works or in the carrying out of the Contract, other than due to the matters referred to in the proviso to Clause 22 hereof.

### **23.2. Minimum Amount of Liability Insurance**

Such insurance shall be effected with an insurer and in terms approved by the Employer, which approval shall not be unreasonably withheld, and for at least the amount specified in the contract. The Contractor shall, whenever required by the Employer or the Engineer, produce to the Engineer the policy or policies of insurance and the receipts for payment of the current premiums.

### **23.3. Provision to Indemnify Employer**

The insurance policy shall include a provision whereby, in the event of any claim in respect of which the Contractor would be entitled to receive indemnity under the policy, being brought or made against the Employer, the insurer shall indemnify the Employer against such claims and any costs, charges and expenses in respect thereof.

#### **24. ACCIDENT OR INJURY TO WORKMEN**

The Employer shall not be liable for or in respect of any damages or compensation payable at law in respect or in consequence of any accident or injury to any workman or other person in the employment of the Contractor or any sub-Contractor, save and except an accident or injury resulting from any act or default of the Employer, his agents or servants. The Contractor shall indemnify, hold and save harmless the Employer against all such damages and compensation, save and except as aforesaid, and against all claims, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation thereto.

##### Insurance Against Accident, etc., to Workmen

The Contractor shall insure against such liability with an insurer approved by the Employer, which approval shall not be unreasonably withheld, and shall continue such insurance during the whole of the time that any persons are employed by him for the Works and shall, when required, produce to the Engineer such policy of insurance and the receipt for payment of the current premium. Provided always that, in respect of any persons employed by any subcontractor, the Contractor's obligation to insure as aforesaid under this sub-clause shall be satisfied if the subcontractor shall have insured against the liability in respect of such persons in such manner that the Employer is indemnified under the policy but the Contractor shall require such subcontractor to produce to the Engineer when required such policy of insurance and the receipt for the current premium, and obtain the insertion of a provision to that effect in its contract with the subcontractor.

#### **25. REMEDY ON CONTRACTOR'S FAILURE TO INSURE**

If the Contractor shall fail to effect and keep in force any of the insurances referred to in Clauses 21, 23 and 24 hereof, or any other insurance which he may be required to effect under the terms of the Contract, the Employer may in any such case effect and keep in force any such insurance and pay such premium as may be necessary for that purpose and from time to time deduct the amount so paid by the Employer as aforesaid from any monies due or which may become due to the Contractor, or recover the same as a debt due from the Contractor.

#### **26. COMPLIANCE WITH STATUTES, REGULATIONS, ETC.**

The Contractor shall give all notices and pay all fees and charges required to be given or paid by any national or State Statutes, Ordinances, Laws, Regulations or By-laws, or any local or other duly constituted authority in relation to the execution of the Works or of any Temporary Works and by the Rules and Regulations of all public bodies and companies whose property or rights are affected or may be affected in any way by the Works or any Temporary Works.

The Contractor shall conform in all respects with any such Statutes, Ordinances, Laws, Regulations, By-laws or requirements of any such local or other authority which may be applicable to the Works and shall keep the Employer indemnified against all penalties and liabilities of every kind for breach of any such Statutes, Ordinances, Laws, Regulations, By-laws or requirements.

#### **27. FOSSILS, ETC.**

All fossils, coins, articles of value or antiquity and structures and other remains or things of geological or archaeological interest discovered on the Site of the Works shall as between the Employer and the Contractor be deemed to be the absolute property of the Employer and the Contractor shall take reasonable precautions to prevent his workmen or any other persons from removing or damaging any such article or thing and shall immediately upon discovery thereof and before removal acquaint the Employer of such discovery and carry out at the expense of the Employer the Engineer's orders as to the disposal of the same.

#### **28. COPYRIGHT, PATENT AND OTHER PROPRIETARY RIGHTS, AND ROYALTIES**

The Contractor shall hold harmless and fully indemnify the Employer from and against all claims and proceedings for or on account of infringement of any patent rights, design trademark or name or other protected rights in respect of any Plant, equipment, machine, work or material used for or in connection with the Works or Temporary Works and from and against all claims, demands proceedings, damages, costs, charges and expenses whatsoever in respect thereof or in relation thereto, except where such infringement results from compliance with the design or Specification provided by the Engineer.

Except where otherwise specified, the Contractor shall pay all tonnage and other royalties, rent and other payments or compensation, if any, for getting stone, sand, gravel, clay or other materials required for the Works or Temporary Works.



## **29. INTERFERENCE WITH TRAFFIC AND ADJOINING PROPERTIES**

All operations necessary for the execution of the Works and for the Construction of any Temporary Works shall, so far as compliance with the requirements of the Contract permits, be carried on so as not to interfere unnecessarily or improperly with the public convenience, or the access to, use and occupation of, public or private roads and footpaths to or of properties whether in the possession of the Employer or of any other person. The Contractor shall hold harmless and indemnify the Employer in respect of all claims, demands, proceedings, damages, costs, charges and expenses whatsoever arising out of or in relation to any such matters in so far as the Contractor is responsible therefor.

## **30. EXTRAORDINARY TRAFFIC AND SPECIAL LOADS**

The Contractor shall use every reasonable means to prevent any of the roads or bridges communicating with or on the routes to the Site from being damaged by any traffic of the Contractor or any of his sub-contractors and, in particular, shall select routes, choose and use vehicles and restrict and distribute loads so that any such extraordinary traffic as will inevitably arise from the moving of plant and material from and to the Site shall be limited as far as reasonably possible and so that no unnecessary damage may be occasioned to such roads and bridges.

Should it be found necessary for the Contractor to move any load of Constructional Plant, machinery, preconstructed units or parts of units of work, or other thing, over part of a road or bridge, the moving whereof is likely to damage any such road or bridge unless special protection or strengthening is carried out, then the Contractor shall before moving the load on to such road or bridge, save insofar as the Contract otherwise provide, be responsible for and shall pay for the cost of strengthening any such bridge or altering or improving any such road to avoid such damage, and the Contractor shall indemnify and keep the Employer indemnified against all claims for damage to any such road or bridge caused by such movement, including such claim as may be made directly against the Employer, and shall negotiate and pay all claims arising solely out of such damage.

## **31. OPPORTUNITIES FOR OTHER CONTRACTORS**

The Contractor shall in accordance with the requirements of the Engineer afford all reasonable opportunities for carrying out their work to any other contractors employed by the Employer and their workmen and to the workmen of the Employer and of any other duly constituted authorities who may be employed in the execution on or near the Site of any work not included in the Contract or of any contract which the Employer may enter into in connection with or ancillary to the Works. If work by other contractors of the Employer as above-mentioned involves the Contractor in any direct expenses as a result of using his Site facilities, the Employer shall consider payment to the Contractor of such sum or sums as may be recommended by the Engineer.

## **32. CONTRACTOR TO KEEP SITE CLEAN**

During the progress of the Works, the Contractor shall keep the Site reasonably free from all unnecessary obstruction and shall store or dispose of any Constructional Plant and surplus materials and clear away and remove from the Site any wreckage, rubbish or Temporary Works no longer required.

## **33. CLEARANCE OF SITE ON SUBSTANTIAL COMPLETION**

On the substantial completion of the Works, the Contractor shall clear away and remove from the Site all Constructional Plant surplus materials, rubbish and Temporary Works of every kind and leave the whole of the Site and Works clean and in a workmanlike condition to the satisfaction of the Engineer.

## **34. LABOUR**

### **34.1 Engagement of Labour**

The Contractor shall make his own arrangements for the engagement of all labour local or otherwise.

### **Supply of Water**

The Contractor shall provide on the Site to the satisfaction of the Engineer an adequate supply of drinking and other water for the use of the Contractor's staff and work people.

### **34.3 Alcoholic Drinks or Drugs**

The Contractor shall comply with Government laws and regulations and orders in force as regards the import, sale, barter or disposal of alcoholic drinks or narcotics and he shall not allow or facilitate such importation, sale, gift, barter or disposal by his sub-contractors, agents or employees.

#### **34.4 Arms and Ammunition**

The restrictions specified in clause 34.3 above shall include all kinds of arms and ammunition.

#### **34.5 Holiday and Religious Customs**

The Contractor shall in all dealings with labour in his employ have due regard to all holiday, recognized festivals and religious or other customs.

#### **34.6 Epidemics**

In the event of any outbreak of illness of an epidemic nature the Contractor shall comply with and carry out such regulations, orders, and requirements as may be made by the Government or the local medical or sanitary authorities for the purpose of dealing with and overcoming the same.

#### **34.7 Disorderly Conduct, etc.**

The Contractor shall at all times take all reasonable precautions to prevent any unlawful riotous or disorderly conduct by or amongst his employees and for the preservation of peace and the protection of persons and property in the neighborhood of the Works against the same.

#### **34.8 Observance by Sub-Contractors**

The Contractor shall be considered responsible for the observance of the above provisions by his Sub-Contractors.

#### **34.9 Legislation applicable to Labour**

The Contractor shall abide by all applicable legislation and regulation with regard to labour.

### **35. RETURNS OF LABOUR, PLANT, ETC.**

The Contractor shall, if required by the Engineer, deliver to the Engineer at his office, a return in detail in the form and at such intervals as the Engineer may prescribe showing the supervisory staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such information respecting Constructional plant as the Engineer may require.

### **36. MATERIALS, WORKMANSHIP AND TESTING**

#### **36.1 Materials and Workmanship**

- a) All materials and workmanship shall be of the respective kinds described in the Contract and in accordance with the Engineer's instructions and shall be subjected from time to time to such tests as the Engineer may direct at the place of manufacture or fabrication, or on the Site or at all or any of such places. The Contractor shall provide such assistance, instruments, machines, labour and materials as are normally required for examining, measuring and testing any work and the quality, weight or quantity of any materials used and shall supply samples of materials before incorporation in the Works for testing as may be selected and required by the Engineer. All testing equipment and instruments provided by the Contractor shall be used only by the Engineer or by the Contractor in accordance with the instructions of the Engineer.
- b) No material not conforming with the Specifications in the Contract may be used for the Works without prior written approval of the Employer and instruction of the Engineer, provided always that if the use of such material results or may result in increasing the Contract Price, the procedure in Clause 48 shall apply.

#### **36.2 Cost of Samples**

All samples shall be supplied by the Contractor at his own cost unless the supply thereof is clearly intended in the Specifications or Bill of Quantities to be at the cost of the Employer. Payment will not be made for samples which do not comply with the Specifications.

### **36.3 Cost of Tests**

The Contractor shall bear the costs of any of the following tests:

- a) Those clearly intended by or provided for in the Contract Documents.
- b) Those involving load testing or tests to ensure that the design of the whole of the Works or any part of the Works is appropriate for the purpose which it was intended to fulfill.

### **37. ACCESS TO SITE**

The Employer and the Engineer and any persons authorized by either of them shall, at all times, have access to the Works and to the Site and to all workshops and places where work is being prepared or whence materials, manufactured articles or machinery are being obtained for the Works and the Contractor shall afford every facility for and every assistance in or in obtaining the right to such access.

### **38. EXAMINATION OF WORK BEFORE COVERING UP**

No work shall be covered up or put out of view without the approval of the Engineer and the Contractor shall afford full opportunity for the Engineer to examine and measure any work which is about to be covered up or put out of view and to examine foundations before permanent work is placed thereon. The Contractor shall give due notice to the Engineer whenever any such work or foundations is or are ready or about to be ready for examination and the Engineer shall without unreasonable delay unless he considers it unnecessary and advises the Contractor accordingly attend for the purpose of examining and measuring such work or of examining such foundations.

### **39. REMOVAL OF IMPROPER WORK AND MATERIALS**

#### **Engineer's power to order removal**

The Engineer shall during the progress of the Works have power to order in writing from time to time, and the Contractor shall execute at his cost and expense, the following operations:

- a) The removal from the Site within such time or times as may be specified in the order of any materials which in the opinion of the Engineer are not in accordance with the Contract;
- b) The substitution of proper and suitable materials; and
- c) The removal and proper re-execution (notwithstanding any previous test thereof or interim payment therefore) of any work which in respect of materials or workmanship is not in the opinion of the Engineer in accordance with the Contract.

#### **Default of Contractor in carrying out Engineer's Instructions**

In case of default on the part of the Contractor in carrying out an instruction of the Engineer, the Employer shall be entitled to employ and pay other persons to carry out the same and all expenses consequent thereon or incidental thereto shall be borne by the Contractor and shall be recoverable from him by the Employer and may be deducted by the Employer from any monies due or which may become due to the Contractor.

### **40. SUSPENSION OF WORK**

The Contractor shall on the written order of the Engineer suspend the progress of the Works or any part thereof for such time or times and in such manner as the Engineer may consider necessary and shall, during such suspension, properly protect and secure the Works so far as it is necessary in the opinion of the Engineer. The Employer should be notified and his written approval should be sought for any suspension of work in excess of three (3) days.

### **41. POSSESSION OF SITE**

#### **41.1 Access to Site**

The Employer shall with the Engineer's written order to commence the Works, give to the Contractor possession of so much of the Site as may be required to enable the Contractor to commence and proceed with the construction of the Works in accordance with the Programme referred to in Clause 13 hereof and otherwise in accordance with such reasonable proposals of the Contractor as he shall make to the Engineer by notice in writing, and shall from time to time as the Works proceed give to the Contractor possession of such further portions of the Site as may be required to enable the Contractor to proceed with the construction of the Works with due dispatch in accordance with the said Programme or proposals, as the case may be.

## **41.2 Wayleaves, etc.**

The Contractor shall bear all expenses and charges for special temporary way leaves required by him in connection with access to the Site. The Contractor shall also provide at his own cost any additional accommodation outside the Site required by him for the purpose of the Works.

## **41.3 Limits of the Site**

Except as defined below, the limits of the Site shall be as defined in the Contract. Should the Contractor require land beyond the Site, he shall provide it entirely at his own expense and before taking possession shall supply the Engineer with a copy of the necessary permits. Access to the Site is available where the Site adjoins a public road but it is not provided unless shown on the Drawings. When necessary for the safety and convenience of workmen, public or livestock or for the protection of the Works, the Contractor shall, at his own expense, provide adequate temporary fencing to the whole or part of the Site. The Contractor shall not disturb, damage or pull down any hedge, tree or building within the Site without the written consent of the Engineer.

## **42. TIME FOR COMPLETION**

- a) Subject to any requirement in the Contract as to completion of any section of the Works before completion of the whole, the whole of the Works shall be completed, in accordance with the provisions of Clause 46 and 47 hereof, within the time stated in the Contract.
- b) The completion time includes weekly rest days, official holidays, and days of inclement weather.

## **43. EXTENSION OF TIME FOR COMPLETION**

If, subject to the provisions of the Contract, the Engineer orders alterations or additions in the Works in accordance with Clause 48 hereof, or if circumstances constituting force majeure as defined in the Contract have occurred, the Contractor shall be entitled to apply for an extension of the time for completion of the Works specified in the Contract. The Employer shall, upon such application, determine the period of any such extension of time; provided that in the case of alterations or additions in the Works, the application for such an extension must be made before the alterations or additions in the Works are undertaken by the Contractor.

## **44. RATE OF PROGRESS**

The whole of the materials, plant and labour to be provided by the Contractor and the mode, manner and speed of execution and completion of the Works are to be of a kind and conducted in a manner to the satisfaction of the Engineer. Should the rate of progress of the Works or any part thereof be at any time in the opinion of the Engineer too slow to ensure the completion of the Works by the prescribed time or extended time for completion, the Engineer shall so notify the Contractor in writing and the Contractor shall thereupon take such steps as the Contractor may think necessary and the Engineer may approve to expedite progress so as to complete the Works by the prescribed time or extended time for completion. If the work is not being carried on by day and by night and the Contractor shall request permission to work by night as well as by day, then, if the Engineer shall grant such permission, the Contractor shall not be entitled to any additional payment. All work at night shall be carried out without unreasonable noise and disturbance. The contractor shall indemnify the Employer from and against any claims or liability for damages on account of noise or other disturbance created while or in carrying out the work and from and against all claims, demands, proceedings, costs and expenses whatsoever in regard or in relation to such noise or other disturbance. The Contractor shall submit in triplicate to the Engineer at the end of each month signed copies of explanatory Drawings or any other material showing the progress of the Works.

## **45. LIQUIDATED DAMAGES FOR DELAY**

- a) If the Contractor shall fail to complete the Works within the time for completion prescribed in the Contract, or any extended time for completion in accordance with the Contract, then the Contractor shall pay to the Employer the sum specified in the Contract as liquidated damages, for the delay between the time prescribed in the Contract or the extended time for completion, as the case may be, and the date of substantial completion of the Works as stated in the Certificate of Substantial Completion, subject to the applicable limit stated in the Contract. The said sum shall be payable by the sole fact of the delay without the need for any previous notice or any legal proceedings, or proof of damage, which shall in all cases be considered as ascertained. The Employer may, without prejudice to any other method of recovery, deduct the amount of such liquidated damages from any monies in its hands due or which may become due to the Contractor. The payment or deduction of such damages shall not relieve the Contractor from his obligation to complete the Works or from any other of his obligations and liabilities under the Contract.
- b) If, before the time for completion of the whole of the Works or of a Section of the Works, a Certificate of Substantial Completion has been issued for any part or Section of the Works, the liquidated damages for delay in completion of the remainder of the Works or of that Section may, for any period of delay after the date stated in such Certificate of Substantial Completion, and in the absence of alternative provisions in the Contract, be reduced in the proportion which the value of the part or Section so certified bears to the

total value of the whole of the Works or Section, as applicable. The provisions of this Sub-Clause shall only apply to the rate of liquidated damages and shall not affect the limit thereof.

## **46. CERTIFICATE OF SUBSTANTIAL COMPLETION**

### **46.1 Substantial Completion of the Works**

When the whole of the Works have been substantially completed and have satisfactorily passed any test on completion prescribed by the Contract, the Contractor may give a notice to that effect to the Engineer accompanied by an undertaking to finish any outstanding work during the Defects Liability Period. Such notice and undertaking shall be in writing and shall be deemed to be a request by the Contractor, for the Engineer to issue a Certificate of Substantial Completion in respect of the Works. The Engineer shall, within twenty-one (21) days of the date of delivery of such notice either issue to the Contractor, with a copy to the Employer, a Certificate of Substantial Completion stating the date on which, in his opinion, the Works were substantially completed in accordance with the Contract or give instructions in writing to the Contractor specifying all the work which, in the Engineer's opinion, requires to be done by the Contractor before the issuance of such Certificate. The Engineer shall also notify the Contractor of any defects in the Works affecting substantial completion that may appear after such instructions and before completion of the work specified therein. The Contractor shall be entitled to receive such Certificate of Substantial Completion within twenty-one (21) days of completion, to the satisfaction of the Engineer, of the work so specified and making good any defect so notified. Upon issuance of the Certificate of Substantial Completion of the Works, the Contractor shall be deemed to have undertaken to complete with due expedition any outstanding work during the Defects Liability Period.

### **46.2 Substantial Completion of Sections or Parts of the Works**

In accordance with the procedure in Sub-Clause (1) of this Clause and on the same conditions as provided therein, the Contractor may request the Engineer to issue, and the Engineer may issue, a Certificate of Substantial Completion in respect of any Section or part of the Works which has been substantially completed and has satisfactorily passed any tests on completion prescribed by the Contract, if:

- a) a separate time for completion is provided in the Contract in respect of such Section or part of the Works;
- b) such Section or part of the Works has been completed to the satisfaction of the Engineer and is required by the Employer for his occupation or use.

Upon the issuance of such Certificate, the Contractor shall be deemed to have undertaken to complete any outstanding work during the Defects Liability Period.

## **47 DEFECTS LIABILITY**

### **47.1 Defects Liability Period**

The expression "Defects Liability Period" shall mean the period of twelve (12) months, calculated from the date of completion of the Works stated in the Certificate of Substantial Completion issued by the Engineer or, in respect of any Section or part of the Works for which a separate Certificate of Substantial Completion has been issued, from the date of completion of that Section or part as stated in the relevant Certificate. The expression "the Works" shall, in respect of the Defects Liability Period, be construed accordingly.

### **47.2 Completion of Outstanding Work and Remedying of Defects**

During the Defects Liability Period, the Contractor shall finish the work, if any, outstanding at the date of the Certificate of Substantial Completion, and shall execute all such work of repair, amendment, reconstruction, rectification and making good defects, imperfections, shrinkages or other faults as may be required of the Contractor in writing by the Engineer during the Defects Liability Period and within fourteen (14) days after its expiration, as a result of an inspection made by or on behalf of the Engineer prior to expiration of the Defects Liability Period.

### **47.3 Cost of Execution of Work of Repair, etc.**

All such outstanding work shall be carried out by the Contractor at his own expense if the necessity thereof shall, in the opinion of the Engineer, be due to the use of material or workmanship not in accordance with the Contract, or to neglect or failure on the part of the Contractor to comply with any obligation expressed or implied, on the Contractor's part under the Contract.

### **47.4 Remedy on Contractor's Failure to Carry Out Work Required**

If the Contractor shall fail to do any such work outstanding on the Works, the Employer shall be entitled to employ and pay other persons to carry out the same, and all expenses consequent thereon or incidental thereto shall be recoverable from the Contractor by the Employer, and may be deducted by the Employer from any monies due or which may become due to the Contractor.

#### **47.5 Certificate of Final Completion**

Upon satisfactory completion of the work outstanding on the Works, the Engineer shall within twenty eight (28) days of the expiration of the Defects Liability period issue a Certificate of Final Completion to the Contractor. The Contract shall be deemed to be completed upon issuance of such Certificate, provided that the provisions of the Contract which remain unperformed and the Settlement of Disputes provision in the Contract shall remain in force for as long as is necessary to dispose of any outstanding matters or issues between the Parties.

### **48 ALTERATIONS, ADDITIONS AND OMISSIONS**

#### **1 Variations**

The Engineer may within his powers introduce any variations to the form, type or quality of the Works or any part thereof which he considers necessary and for that purpose or if for any other reasons it shall, in his opinion be desirable, he shall have power to order the Contractor to do and the Contractor shall do any of the following:

- (a) increase or decrease the quantity of any work under the Contract;
- (b) omit any such work;
- (c) change the character or quality or kind of any such work;
- (d) change the levels, lines, positions and dimensions of any part of the Works;
- (e) execute additional work of any kind necessary for the completion of the Works, and no such variation shall in any way vitiate or invalidate the Contract.

#### **2 Variations Increasing Cost of Contract or altering the Works.**

The Engineer shall, however, obtain the written approval of the Employer before giving any order for any variations which may result in an increase of the Contract Price or in an essential alteration of the quantity, quality or character of the Works.

#### **3 Orders for Variations to be in Writing**

No variations shall be made by the Contractor without an order in writing from the Engineer. Variations requiring the written approval of the Employer under paragraph (2) of this Clause shall be made by the Contractor only upon written order from the Engineer accompanied by a copy of the Employer's approval. Provided that, subject to the provisions of the Contract, no order in writing shall be required for any increase or decrease in the quantity of any work where such increase or decrease is not the result of an order given under this Clause but is the result of the quantities exceeding or being less than those stated in the Bill of Quantities.

#### **4 Valuation of Variations**

The Engineer shall estimate to the Employer the amount to be added or deducted from the Contract Price in respect of any variation, addition or omission. In the case of any variation, addition or omission which may result in an increase of the Contract Price, the Engineer shall communicate such estimate to the Employer together with his request for the Employer's written approval of such variation, addition or omission. The value of any variation, addition or omission shall be calculated on the basis of the unit prices contained in the Bill of Quantities.

### **49 PLANT, TEMPORARY WORKS AND MATERIALS**

#### **1 Plant, etc., Exclusive Use for the Works**

All Constructional Plant, Temporary Works and Materials provided by the Contractor shall, when brought on the Site, be deemed to be exclusively intended for the construction and completion of the Works and the Contractor shall not remove the same or any part



thereof (save for the purpose of moving it from one part of the Site to another) without the consent in writing of the Engineer which shall not be unreasonably withheld.

## **2 Removal of Plant, etc.**

Upon completion of the Works the Contractor shall remove from the Site all the said Constructional Plant and Temporary Works remaining thereon and any unused materials provided by the Contractor.

## **3 Employer not liable for Damage to Plant**

The Employer shall not be at any time liable for the loss of any of the said Constructional plant, Temporary Works or Materials save if such loss results from the act or neglect of the Employer, its employees or agents.

## **4 Ownership of paid material and work**

All material and work covered by payments made by the Employer to the Contractor shall thereupon become the sole property of the Employer, but this provision shall not be construed as relieving the Contractor from the sole responsibility for all material and work upon which payments have been made or the restoration of any damaged work or as waiving the right of the Employer to require the fulfillment of all of the terms of the Contract.

## **5 Equipment and supplies furnished by Employer**

Title to any equipment and supplies which may be furnished by the Employer shall rest with the Employer and any such equipment and supplies shall be returned to the Employer at the conclusion of the Contract or when no longer needed by the Contractor. Such equipment when returned to the Employer, shall be in the same condition as when delivered to the Contractor, subject to normal wear and tear.

## **50 APPROVAL OF MATERIALS ETC., NOT IMPLIED**

The operation of Clause 49 hereof shall not be deemed to imply any approval by the Engineer of the materials or other matters referred to therein nor shall it prevent the rejection of any such materials at any time by the Engineer.

## **51 MEASUREMENT OF WORKS**

The Engineer shall, when he requires any part or parts of the Works to be measured, give notice to the Contractor or the Contractor's authorized agent or representative who shall forthwith attend or send a qualified agent to assist the Engineer in making such measurement and shall furnish all particulars required by either of them. Should the Contractor not attend or neglect or omit to send such agent, then the measurement made by the Engineer or approved by him shall be taken to be the correct measurement of the work. The purpose of measuring is to ascertain the volume of work executed by the Contractor and therefore determine the amount of the monthly payments.

## **52 LIABILITY OF THE PARTIES**

- 1** The Works shall not be considered as completed until a Certificate of Final Completion shall have been signed by the Engineer and delivered to the Employer stating that the Works have been completed and that the Contractor has fulfilled all his obligations under Clause 47 to his satisfaction.
- 2** The Employer shall not be liable to the Contractor for any matter arising out of or in connection with the Contract or the execution of the Works unless the Contractor shall have made a claim in writing in respect thereof before the giving of the Certificate of Final Completion and in accordance with the Contract.

### **3 Unfulfilled Obligations**

Notwithstanding the issue of the Certificate of Final Completion, the Contractor shall remain liable for the fulfillment of any obligation incurred under the provisions of the Contract prior to the issuance of the Certificate of Final Completion and which remains unperformed at the time such Certificate is issued. For the purpose of determining the nature and extent of any such obligation the Contract shall be deemed to remain in force between the parties hereto.

### **4 Contractor Responsible**

Notwithstanding any other provisions in the Contract documents, the Contractor shall be totally responsible for and shall bear any and all risks of loss or damage to or failure of the Works or any part thereof for a period of ten years after issuance of the Certificate of Final Completion, provided always that such risks, damage or failure result from acts, defaults and negligence of the Contractor, his agents, employees or workmen and such contractors.

## **53 AUTHORITIES**

- 1** The Employer shall have the right to enter upon the Site and expel the Contractor there from without thereby voiding the Contract or releasing the Contractor from any of his obligations or liabilities under the Contract or affecting the rights and powers conferred on the Employer and the Engineer by the Contract in any of the following cases:
  - (a) If the Contractor is declared bankrupt or claims bankruptcy or court protection against his creditors or if the Contractor is a company or member of a company which was dissolved by legal action;
  - (b) If the Contractor makes arrangements with his creditors or agrees to carry out the Contract under an inspection committee of his creditors;
  - (c) If the Contractor withdraws from the Works or assigns the Contract to others in whole or in part without the Employer's prior written approval;
  - (d) If the Contractor fails to commence the Works or shows insufficient progress to the extent which in the opinion of the Engineer will not enable him to meet the target completion date of the Works;
  - (e) If the Contractor suspends the progress of the Works without due cause for fifteen (15) days after receiving from the Engineer written notice to proceed;
  - (f) If the Contractor fails to comply with any of the Contract conditions or fails to fulfill his obligations and does not remedy the cause of his failure within fifteen (15) days after being notified to do so in writing;
  - (g) If the Contractor is not executing the work in accordance with standards of workmanship specified in the Contract;
  - (h) If the Contractor gives or promises to give a present or loan or reward to any employee of the Employer or of the Engineer.

Then the Employer may himself complete the Works or may employ any other contractor to complete the Works and the Employer or such other contractor may use for such completion so much of Constructional Plant, Temporary Works and Materials, which have been deemed to be reserved exclusively for the construction and completion of the Works under the provision of the Contract as he or they may think proper and the Employer may at any time sell any of the said Constructional Plant, Temporary Works and unused materials and apply the proceeds of sale in or towards the satisfaction of any sums due or which may become due to him from the Contractor under the Contract.

## **2 Evaluation after Re-entry**

The Engineer shall as soon as may be practicable after any such entry and expulsion by the Employer notify the Contractor to attend the necessary evaluation of the Works. In the event that for any reason the Contractor does not attend such evaluation the Engineer shall undertake the said evaluation in the absence of the Contractor and shall issue a certificate stating the sum, if any, due to the Contractor for work done in accordance with the Contract up to the time of entry and expulsion by the Employer which has been reasonably accumulated to the Contractor in respect of the Works he has executed in such case in accordance with the Contract. The Engineer shall indicate the value of the materials whether unused or partially used and the value of construction equipment and any part of the Temporary Works.

## **3 Payment After Re-entry**

If the Employer shall enter and expel the Contractor under this Clause he shall not be liable to pay the Contractor any money on account of the Contract until the expiration of the Defects Liability Period, and thereafter until the costs of completion and making good any defects of the Works, damages for delay in completion (if any), and all other expenses incurred by the Employer have been ascertained and their amount certified by the Engineer. The Contractor shall then be entitled to receive only such sum or sums (if any) as the Engineer may certify would have been due to him upon due completion by him after deducting the said amount. But if such amount shall exceed the sum which would have been payable to the Contractor on due completion by him, then the Contractor shall upon demand pay to the Employer the amount of such excess. The Employer in such case may recover this amount from any money due to the Contractor from the Employer without the need to resort to legal procedures.



## **54 URGENT REPAIRS**

If by reason of any accident or failure or other event occurring to, in or in connection with the Works or any part thereof either during the execution of the Works or during the Defects Liability Period any remedial or other work or repair shall in the opinion of the Engineer be urgently necessary for security and the Contractor is unable or unwilling at once to do such work or repair, the Employer may by his own or other workmen do such work or repair as the Engineer may consider necessary. If the work or repair so done by the Employer is work which in the opinion of the Engineer the Contractor was liable to do at his own expense under the Contract, all costs and charges properly incurred by the Employer in so doing shall on demand be paid by the Contractor to the Employer or may be deducted by the Employer from any monies due or which may become due to the Contractor provided always that the Engineer shall as soon after the occurrence of any such emergency as may be reasonably practicable notify the Contractor thereof in writing.

## **55 INCREASE AND DECREASE OF COSTS**

Except if otherwise provided by the Contract, no adjustment of the Contract Price shall be made in respect of fluctuations of market, prices of labour, materials, plant or equipment, neither due to fluctuation in interest rates nor devaluation or any other matters affecting the Works.

## **56 TAXATION**

The Contractor shall be responsible for the payment of all charges and taxes in respect of income including value added tax, all in accordance with and subject to the provisions of the income tax laws and regulations in force and all amendments thereto. It is the Contractor's responsibility to make all the necessary inquiries in this respect and he shall be deemed to have satisfied himself regarding the application of all relevant tax laws.

## **57 BLASTING**

The Contractor shall not use any explosives without the written permission of the Engineer who shall require that the Contractor has complied in full with the regulations in force regarding the use of explosives. However, the Contractor, before applying to obtain these explosives, has to provide well arranged storage facilities. The Engineer's approval or refusal to permit the use of explosives shall not constitute ground for claims by the Contractor.

## **58 MACHINERY**

The Contractor shall be responsible for coordinating the manufacture, delivery, erection and commissioning of plant machinery and equipment which are to form a part of the Works. He shall place all necessary orders as soon as possible after the signing of the Contract. These orders and their acceptance shall be produced to the Engineer on request. The Contractor shall also be responsible for ensuring that all sub-contractors adhere to such programs as are agreed and are needed to ensure completion of the Works within the period for completion. Should any sub-contracted works be delayed, the Contractor shall initiate the necessary action to speed up such completion. This shall not prejudice the Employer's right to exercise his remedies for delay in accordance with the Contract.

## **59 TEMPORARY WORKS AND REINSTATEMENT**

The Contractor shall provide and maintain all temporary roads and tracks necessary for movement of plant and materials and clear same away at completion and make good all works damaged or disturbed. The Contractor shall submit drawings and full particulars of all Temporary Works to the Engineer before commencing same. The Engineer may require modifications to be made if he considers them to be insufficient and the Contractor shall give effect to such modifications but shall not be relieved of his responsibilities. The Contractor shall provide and maintain weather-proof sheds for storage of material pertinent to the Works both for his own use and for the use of the Employer and clear same away at the completion of the Works. The Contractor shall divert as required, at his own cost and subject to the approval of the Engineer, all public utilities encountered during the progress of the Works, except those specially indicated on the drawings as being included in the Contract. Where diversions of services are not required in connection with the Works, the Contractor shall uphold, maintain and keep the same in working order in existing locations. The Contractor shall make good, at his own expense, all damage to telephone, telegraph and electric cable or wires, sewers, water or other pipes and other services, except where the Public Authority or Private Party owning or responsible for the same elects to make good the damage. The costs incurred in so doing shall be paid by the Contractor to the Public Authority or Private Party on demand.

## **60 PHOTOGRAPHS AND ADVERTISING**

The Contractor shall not publish any photographs of the Works or allow the Works to be used in any form of advertising whatsoever without the prior approval in writing from the Employer.

## **61 PREVENTION OF CORRUPTION**

The Employer shall be entitled to cancel the Contract and to recover from the Contractor the amount of any loss resulting from such cancellation, if the Contractor has offered or given any person any gift or consideration of any kind as an inducement or reward for doing or intending to do any action in relation to the obtaining or the execution of the Contract or any other contract with the Employer or for showing or intending to show favour or disfavour to any person in relation to the Contract or any other contract with the Employer, if the like acts shall have been done by any persons employed by him or acting on his behalf whether with or without the knowledge of the Contractor in relation to this or any other Contract with the Employer.

## **62 DATE FALLING ON HOLIDAY**

Where under the terms of the Contract any act is to be done or any period is to expire upon a certain day and that day or that period fall on a day of rest or recognized holiday, the Contract shall have effect as if the act were to be done or the period to expire upon the working day following such day.

## **63 NOTICES**

- 1 Unless otherwise expressly specified, any notice, consent, approval, certificate or determination by any person for which provision is made in the Contract Documents shall be in writing. Any such notice, consent, approval, certificate or determination to be given or made by the Employer, the Contractor or the Engineer shall not be
- 2 unreasonably withheld or delayed.
- 3 Any notice, certificate or instruction to be given to the Contractor by the Engineer or the Employer under the terms of the Contract shall be sent by post, cable, telex or facsimile at the Contractor's principal place of business specified in the Contract or such other address as the Contractor shall nominate in writing for that purpose, or by
- 4 delivering the same at the said address against an authorized signature certifying the receipt.
- 5 Any notice to be given to the Employer under the terms of the Contract shall be sent by post, cable, telex or facsimile at the Employer's address specified in the Contract, or by delivering the same at the said address against an authorized signature certifying the receipt.
- 6 Any notice to be given to the Engineer under the terms of this Contract shall be sent by post, cable, telex or facsimile at the Engineer's address specified in the Contract, or by delivering the same at the said address against an authorized signature certifying the receipt.

## **64 LANGUAGE, WEIGHTS AND MEASURES**

Except as may be otherwise specified in the Contract, English shall be used by the Contractor in all written communications to the Employer or the Engineer with respect to the services to be rendered and with respect to all documents procured or prepared by the Contractor pertaining to the Works. The metric system of weights and measures shall be used in all instances.

## **65 RECORDS, ACCOUNTS, INFORMATION AND AUDIT**

The Contractor shall maintain accurate and systematic records and accounts in respect of the work performed under this Contract.

The Contractor shall furnish, compile or make available at all times to the UNDP any records or information, oral or written, which the UNDP may reasonably request in respect of the Works or the Contractor's performance thereof.

The Contractor shall allow the UNDP or its authorized agents to inspect and audit such records or information upon reasonable notice.

## **66 FORCE MAJEURE**

Force majeure as used herein means Acts of God, war (whether declared or not), invasion, revolution, insurrection or other acts or events of a similar nature or force.

In the event of and as soon as possible after the occurrence of any cause constituting force majeure, the Contractor shall give notice and full particulars in writing to the UNDP and to the Engineer of such force majeure if the Contractor is thereby rendered

unable, wholly or in part, to perform its obligations and meet its responsibilities under this Contract. Subject to acceptance by the UNDP of the existence of such force majeure, which acceptance shall not be unreasonably withheld, the following provisions shall apply:

- (a) The obligations and responsibilities of the Contractor under this Contract shall be suspended to the extent of his inability to perform them and for as long as such inability continues. During such suspension and in respect of work suspended, the Contractor shall be reimbursed by the UNDP substantiated costs of maintenance of the Contractor's equipment and of per diem of the Contractor's permanent personnel rendered idle by such suspension;
- (b) The Contractor shall within fifteen (15) days of the notice to the UNDP of the occurrence of the force majeure submit a statement to the UNDP of estimated costs referred to in sub-paragraph (a) above during the period of suspension followed by a complete statement of actual expenditures within thirty (30) days after the end of the
- (c) suspension;
- (d) The term of this Contract shall be extended for a period equal to the period of suspension taking however into account any special condition which may cause the additional time for completion of the Works to be different from the period of suspension;
- (e) If the Contractor is rendered permanently unable, wholly or in part, by reason of force majeure, to perform his obligations and meet his responsibilities under the Contract, the UNDP shall have the right to terminate the Contract on the same terms and conditions as provided for in Clause 68 of these General Conditions, except that the period of notice shall be seven (7) days instead of fourteen (14) days, and
- (f) For the purpose of the preceding sub-paragraph, the UNDP may consider the Contractor permanently unable to perform in case of any suspension period of more than ninety (90) days.

#### **67 SUSPENSION BY THE UNDP**

The UNDP may by written notice to the Contractor suspend for a specified period, in whole or in part, payments to the Contractor and/or the Contractor's obligation to continue to perform the Works under this Contract, if in the UNDP's sole discretion:

- (a) any conditions arise which interfere, or threaten to interfere with the successful execution of the Works or the accomplishment of the purpose thereof, or
- (b) the Contractor shall have failed, in whole or in part, to perform any of the terms and conditions of this Contract.

After suspension under sub-paragraph (a) above, the Contractor shall be entitled to reimbursement by the UNDP of such costs as shall have been duly incurred in accordance with this Contract prior to the commencement of the period of such suspension.

The term of this Contract may be extended by the UNDP for a period equal to any period of suspension, taking into account any special conditions which may cause the additional time for completion of the Works to be different from the period of suspension.

#### **68 TERMINATION BY THE UNDP**

The UNDP may, notwithstanding any suspension under Clause 67 above, terminate this Contract for cause or convenience in the interest of the UNDP upon not less than fourteen (14) days written notice to the Contractor.

Upon termination of this Contract:

- (a) The Contractor shall take immediate steps to terminate his performance of the Contract in a prompt and orderly manner and to reduce losses and to keep further expenditures to a minimum, and
- (b) The Contractor shall be entitled (unless such termination has been occasioned by the Contractor's breach of this Contract), to be paid for the part of the Works satisfactorily completed and for the materials and equipment properly delivered to the Site as of the date of termination for incorporation to the Works, plus substantiated costs resulting from commitments entered into prior to the date of termination as well as any reasonable substantiated direct costs incurred by the Contractor as a result of the termination, but shall not be entitled to receive any other or further payment or damages.

#### **69 TERMINATION BY THE CONTRACTOR**

In the case of any alleged breach by the UNDP of the Contract or in any other situation which the Contractor reasonably considers to entitle him to terminate his performance of the Contract, the Contractor shall promptly give written notice to the UNDP detailing

the nature and the circumstances of the breach or other situation. Upon acknowledgement in writing by the UNDP of the existence of such breach and the UNDP's inability to remedy it, or upon failure of the UNDP to respond to such notice within twenty (20) days of receipt thereof, the Contractor shall be entitled to terminate this Contract by giving 30 days written notice thereof. In the event of disagreement between the Parties as to the existence of such breach or other situation referred to above, the matter shall be resolved in accordance with Clause 71 of these General Conditions.

Upon termination of this Contract under this Clause the provisions of sub-paragraph (b) of Clause 68 hereof shall apply.

## **70 RIGHTS AND REMEDIES OF THE UNDP**

Nothing in or relating to this Contract shall be deemed to prejudice or constitute a waiver of any other rights or remedies of the UNDP.

The UNDP shall not be liable for any consequences of, or claim based upon, any act or omission on the part of the Government.

## **71 SETTLEMENT OF DISPUTES**

In the case of any claim, controversy or dispute arising out of, or in connection with this Contract or any breach thereof, the following procedure for resolution of such claim, controversy or dispute shall apply.

### **1 Notification**

The aggrieved party shall immediately notify the other party in writing of the nature of the alleged claim, controversy or dispute, not later than seven (7) days from awareness of the existence thereof.

### **2 Consultation**

On receipt of the notification provided above, the representatives of the Parties shall start consultations with a view to reaching an amicable resolution of the claim, controversy or dispute without causing interruption of the Works.

### **3 Conciliation**

Where the representatives of the Parties are unable to reach such an amicable settlement, either party may request the submission of the matter to conciliation in accordance with the UNCITRAL Rules of Conciliation then obtaining.

### **4 Arbitration**

Any claim, controversy or dispute which is not settled as provided under clauses 71.1 through 3 above shall be referred to arbitration in accordance with the UNCITRAL Arbitration Rules then obtaining. The Parties shall be bound by the arbitration award rendered in accordance with such arbitration as the final adjudication of any such controversy or claim.

## **72 PRIVILEGES AND IMMUNITIES**

Nothing in or relating to this Contract shall be deemed a waiver of any of the privileges and immunities of the United Nations of which the UNDP is an integral part.

## Special Conditions

The following Special Conditions shall complement, supplement, or amend the General Conditions. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions.

|   |   |  |
|---|---|--|
| Warranty/Guarantee                          |   |  |
| <input checked="" type="checkbox"/> Applies | <input type="checkbox"/> Does not apply | If, within 12 months after the goods have been put into service, any defects are discovered or arise in the normal course of usage, the Supplier shall remedy the defect either by replacement or by repair.   |
| Liquidated damages                          |   |  |
| <input checked="" type="checkbox"/> Applies | <input type="checkbox"/> Does not apply | If the Supplier fails to supply the specified goods within the time period(s) stipulated by the purchase order, the Purchaser shall, without prejudice to its other remedies under the contract, deduct from the Purchase Order price, as liquidated damages, a sum equivalent to 1 percent of the delivered price of the delayed goods for each week of delay until actual delivery, up to a maximum deduction of 10 percent of the delayed goods Purchase Order price. Once the maximum is reached, the Purchaser may consider termination of the Purchase Order   |
| Performance security                        |   |  |
| <input checked="" type="checkbox"/> Applies | <input type="checkbox"/> Does not apply | <p>a) Within 30 days of receipt of the Purchase Order from the purchaser, the successful Bidder shall furnish a Performance Security to the Purchaser in the amount of 3% of the Purchase Order Value.</p> <p>b) The Performance Security shall be valid until a date 30 days from the date of Issue of a Satisfactory Certificate of Inspection and Testing by the procuring UN entity.</p> <p>c) The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the contract.</p> <p>d) The Performance Security shall be denominated in the currency of the Purchase Order and shall be in one of the following form of a bank guarantee or irrevocable letter of credit, issued by a reputable bank located in the purchaser's country or abroad in the form provided in these Solicitation Documents.</p> <p>e) The Security will be returned to the Supplier within 30 days of completion of the Purchase order, including any warranty obligation.</p> |
| Documentary evidence                        |   |  |
| <input checked="" type="checkbox"/> Applies | <input type="checkbox"/> Does not apply | <p>The Supplier shall have all permits, licenses, certificates and other relevant documents required for importation and/or selling of the goods in Tajikistan.</p> <p>The supplier should provide the address of local representative office who will undertake preventive maintenance services during the warranty period.</p>   |

**BID/PROPOSAL SUBMISSION FORM**

Bid for: **Construction of the TB prison hospital for 100 beds to be located at the Vakhdat prison (Reference № 312/2010/ITB/UNDP/GFATM-TB).**

To: **UNDP Tajikistan, office**

Dear Sir / Madam,

Having examined the Bidding Documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to realize **Construction of the TB prison hospital for 100 beds to be located at the Vakhdat prison** in conformity with the said bidding documents for the sum of \_\_\_\_\_

*[total bid amount in figures]*

---

*[total bid amount in words]*

, as may be ascertained in accordance with the Price Schedule attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to realize works in accordance with the work schedule specified in the Schedule of Requirements.

We agree to comply with the current Offer/Application for 90 days, following the date, designated for Opening Bids, where Offer/Application might be accepted at any time before deadline

We agree to abide by this Bid for a period of [number] days from the date fixed for opening of Bids in the Invitation to Bid, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

We understand that you are not bound to accept any Bid you may receive.

Dated this . . . . day of . . . . [year].

Signature: .....

Name: .....

Position: .....

Organization: .....

Address: .....

Phone: .....

Fax: .....

E-mail address: .....

## Check list

**Tender Ref:** 312/2010/ITB/UNDP/GFATM-TB

**Title:** Construction of the TB prison hospital for 100 beds to be located at the facility 3/13, under jurisdiction of the MoJ of the ROT: Vakhdat district

| No  | Require documents  | Yes/No |
|-----|--|--------|
| 1.  | Bid submission form  |        |
| 2.  | Price Schedule   |        |
| 3.  | Time schedule  |        |
| 4.  | List of management staff Qualification, Competency and Experience of the staff, offered for key administrative and technical posts for the execution of the Contract                           |        |
| 5.  | List of the technical capability, which bidder suppose to use for execution of works   |        |
| 6.  | Documentary evidence that the Bidder is eligible to and is qualified to perform the contract if its Bid is accepted or Valid license of the Republic of Tajikistan for construction activities |        |
| 7.  | Copy of the document, confirming state-registry of the organization  |        |
| 8.  | Tax authority certificate confirming that it is in a good standing   |        |
| 9.  | Bank certificate on Company's bank account and confirmation that it is in a good standing  |        |
| 10. | Company's annual turnover for the last 2 years with the Total Volume of Works, performed for the last 3 years  |        |
| 11  | Data related to access to financial resource, confirming with qualifying requirement: cash assets, credit line, ready assets and etc.  |        |
| 12  | All offers related to sub-contractors and involved companies   |        |
| 13  | Financial reports for the last 3 years: financial statement for period of 2007-2009, accountating and audit report, and etc...   |        |
| 14  | Check list (filled)  |        |

\*\*\* Failure by the Company to provide any of the listed documents may serve as a ground of Company's automatic disqualification.

SIGNATURE \_\_\_\_\_

STAMP

## Explanations on required documents

1. Bid Application Form (Annex V)
2. Cost Estimation (Annex VII)
3. Schedule graph  
Proposed Programme (method and work schedule). As the subject responds, Bidder should provide description, drawings and layouts, provided at the tender documents.
4. List of the personnel. Qualification, Competency and Experience of the personnel, provided for key administrative and technical posts, for the Contract's Execution.

| Post            | Name and Surname | Working Experience (in years) | Analogue Working experience (in years) |
|-----------------|------------------|-------------------------------|--|
| Project Manager |                  |                               |  |
| _____           | _____            | _____                         | _____                                  |
| _____           | _____            | _____                         | _____                                  |
| _____           | _____            | _____                         | _____                                  |
| [etc.]          |                  |                               |  |

5. List of the equipment (machinery and mechanism), which Contractor suppose to use for the Contract's Execution and in accordance with attached BOQ.

| Type of the equipment | Description, model, and age (in years) | Condition (new, good, bad)<br>Quantity Available | Own, leased (from which company), will be procured (from which company) |
|-----------------------|--|--|---|
| _____                 | _____                                  | _____  | _____   |
| _____                 | _____                                  | _____  | _____   |
| _____                 | _____                                  | _____  | _____   |
| [etc]                 |  |  |   |

*Main type of the equipment, which winning Bidder of the Tender must present are:*

*Digging machine – dipper capacity 0,5 m<sup>3</sup>*  
*Bulldozer – capacity 79 kWt/h*  
*Freight vehicle – weight-carrying capacity not less than 10 tons*  
*Self-propelled roller– capacity not less than 25 tons*  
*Surface vibrator*  
*Motorized crane – weight-carrying capacity not less than 5 tons*  
*Lift-truck – weight-carrying capacity not less than 5 tons*  
*Welding Set*  
*Internal vibrator (pervibrator)*  
*Electric saw*  
*Mobile asphalt heater – 400 lt*  
*Caterpillar crane – weight-carrying capacity not less than 25 tons*  
*Hydraulic jack – weight-carrying capacity not less than 100 tons*  
*Gas welding unit*  
*Electric furnace dehumidification (drying out)*  
*Edger*  
*Electric motor pump, 2 m<sup>3</sup>/h*  
*Electric drill*  
*Petrol-powered saw*  
*Jitterbug (pneumatic ram)*



Electric perforator  
 Electric winch  
 Concrete mixer, 0,5 m<sup>3</sup>  
 Mortar mixer, 0,25 m<sup>3</sup>

6. Copy of the operational legal license for the execution of works of such nature
7. Copy of the state-registry of the organization
8. Copy of certification from tax authority on debt or arrears absence
9. Bank certificate on settlement account and absence of any debts or arrears
10. Work experience (reference for the analogue projects executed before, with the indication of the performed works and in the capacity of the Main Contractor). Please, attach list of the contract with detailed Volume of Executed Works for the last 3 years. Please, provide information on active or provided works, conforming to Contractual Obligations, and possible date of completion

| Name of the project. Country | Client's details and all relevant contact information | Type of works and year of completion | Contract Value |
|------------------------------|---|--------------------------------------|----------------|
| _____                        | _____   | _____                                | _____          |
| _____                        | _____   | _____                                | _____          |
| _____                        | _____   | _____                                | _____          |
| _____                        | _____   | _____                                | _____          |
| _____                        | _____   | _____                                | _____          |
| [etc...]                     | _____   | _____                                | _____          |

*The volume of construction works of the winning bidders in the past three years must be at least (9 000 000,00) Somoni or (2 000 000,00 USD).*

11. Data related to access to financial resource, confirming with qualifying requirement: cash assets, credit line, ready assets and etc. Please, kindly provide list and copy of conforming documents

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

*The amount of liquid assets and / or credit of the winning bidders net of other contractual obligations is (650 000,00) Somoni or (150 000,00) USD.*

12. Proposal of sub-contractors and involved companies

| Section of the Project | Sub-contracting value | Sub-contractor (name and contact details) | Experience inf performing analogue works |
|------------------------|-----------------------|---|--|
| _____                  | _____                 | _____                                     | _____                                    |
| _____                  | _____                 | _____                                     | _____                                    |
| _____                  | _____                 | _____                                     | _____                                    |
| [etc.]                 | _____                 | _____                                     | _____                                    |

13. Financial reports for the last 3 years: financial statement for period of 2007-2009, accountating and audit report, and etc... Please, kindly provide list and copy of conforming documents

\_\_\_\_\_

\_\_\_\_\_

### Price schedule

Tender Ref: **312/2010/ITB/UNDP/GFATM-TB**

Title: **Construction of the TB prison hospital for 100 beds to be located at the Vakhdat prison**

1. The bidder has to provide the Finance Bid in the form indicated below
2. The Price Schedule must provide a detailed cost breakdown for each item.
3. All prices/rates quoted must be exclusive of all taxes, since the United Nations, including its subsidiary organs, is exempt from taxes.
4. In addition to the hard copy, if possible please provide also the information on CD – ROM

Name of organization/firm: \_\_\_\_\_

#### COST SUMMARY TABLE Сводная ведомость объемов работ

| Ref<br>Ссылка | Элементы проекта   | Project elements  | Итого/Total |
|---------------|--|---|-------------|
|               | <b>Глава 2. Основные объекты строительства (Больничный корпус)</b> | <b>Chapter 2. Main objects (Hospital areas)</b>                 |             |
| 1-1           | Общестроительные работы  | Civil and erection works  |             |
| 1-2           | Водопровод и канализация   | Internal water and sewage networks                              |             |
| 1-3           | Отопление и вентиляция   | Heating and ventilation   |             |
| 1-4           | Электроосвещение   | Internal electric lightening                                    |             |
| 1-5           | Силовое оборудование   | Power equipment   |             |
| 1-6           | Пожарная сигнализация  | Fire signal   |             |
| 1-7           | Технологическая оборудования лифта                                 | Technological equipment of the lift                             |             |
|               | Итого по главе 2   | Subtotal for 1  |             |
|               | <b>Глава 3. Объекты подсобного и обслуживающего назначения</b>     | <b>Chapter 3. The subsidiary and service objects</b>            |             |
| 2-1           | Хлораторная  | Chlorinating  |             |
| 2-2           | Дворовая уборная на 6 очков  | 6 points Yard toilet  |             |
| 2-3           | Канализационная насосная станция                                   | Sewerage pumping station  |             |
| 2-4           | Водонапорная башня   | Water tower   |             |
| 2-5           | Пожарный резервуар емкостью 50 м <sup>3</sup> -2шт                 | Fire water tank capacity 50 [m] <sup>3</sup> of -(2 reservoirs) |             |

| Ref<br>Ссылка              | Элементы проекта                                  | Project elements  | Итого/Total |
|----------------------------|---|---|-------------|
| 2-6                        | Выгреб на 55 м3                                   | Raking to 50 [m]3   |             |
|                            | Итого по главе 3                                  | Subtotal for 2  |             |
|                            | <b>Глава 4. Объекты энергетического хозяйства</b> | <b>Chapter 4. Energy objects</b>                              |             |
| 3-1                        | Трансформаторная подстанция                       | Transformer room  |             |
|                            | Итого по главе 4                                  | Subtotal for 4  |             |
|                            | <b>Глава 6. Наружные инженерные сети</b>          | <b>Chapter 6. Internal areal engineering nets</b>             |             |
| 4-1                        | Внутриплощадочные сети водопровода и канализации  | Intra-territory networks of water and canalization pipe lines |             |
| 4-2                        | Внутриплощадочные сети электроснабжения           | Intra-territory networks of the power supply                  |             |
|                            | Итого по главе 6                                  | Subtotal for 6  |             |
|                            | <b>Глава 7. Благоустройство и озеленение</b>      | <b>Chapter 7. Site development / plantations</b>              |             |
| 5-1                        | Дорожное покрытие, озеленение и МАФ               | Road surface, planting and small architecture forms.[SAF]     |             |
|                            | Итого по главе 7                                  | Subtotal for 7  |             |
| <b>Всего / Grand total</b> |   |   |             |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

\_\_\_\_\_  
Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_  
Signature of Bidder

Stamp

**Cost estim 1-1 Main construction works**  
**Локальная смета 1-1 Общестроительные работы**

| № пп                             | Шифр / Justification | Наименование работ и затрат   | Description  | Един.изм. / Unit                | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|----------------------------------|----------------------|---|--|---------------------------------|-------------------|-------------------------|------------------------------|
| <b>Раздел 1. Земляные работы</b> |                      |   | <b>Section 1. Earth Works</b>  |                                 |                   |                         |                              |
| 1                                | ЭСН1-20-2            | Разработка грунта с погрузкой на автомобили-самосвалы в котлованах экскаваторами с ковшом вместимостью 0,65 м3, гр. грунтов 2         | Excavation of soil with further load of the soil to dumper trucks, with excavator capacity of 0,65m <sup>3</sup> . Soil type - II                    | м <sup>3</sup> / m <sup>3</sup> | 2153              |                         |                              |
| 2                                | ЭСН1-198-8           | Доработка грунта вручную группа грунтов 2   | Manual completion of earth excavation. Soil type II  | м <sup>3</sup> / m <sup>3</sup> | 247               |                         |                              |
| 3                                | ЭСН1-20-2            | Поднятие грунта с погрузкой на автомобили-самосвалы в котлованах экскаваторами с ковшом вместимостью 0,65 м3, гр. грунтов 2           | Lifting of soil with further load of the soil to dumper trucks, with excavator capacity of 0,65m <sup>3</sup> . Soil type - II                       | м <sup>3</sup> / m <sup>3</sup> | 247               |                         |                              |
| 4                                | СРЦ                  | Вывоз грунта на 5 км. автомашиной КамАЗ при стоимости дизтоплива 2,8 сомони   | Removal of soil 5 km away, with a Kamaz truck, with a fuel price of 2.8 TJS  | тн / t                          | 3960              |                         |                              |
| 5                                | ЭСН1-16-2            | Работа на отвале, группа грунтов 2-3  | Work at soil stockpile. Soil type II-III   | м <sup>3</sup> / m <sup>3</sup> | 2400              |                         |                              |
| 6                                | ЭСН1-3-8             | Разработка грунта в отвал экскаваторами "драглайн" или "обратная лопата" с ковшом вместимостью 0,65 (0,5-1) м3, гр. грунтов 2         | Excavation of soil into stockpile area dragline or back diggers. Capacity of dipper 0,65 (0,5-1) m3. Soil type - II                                  | м <sup>3</sup> / m <sup>3</sup> | 1136              |                         |                              |
| 7                                | ЭСН1-202-5           | Крепление досками стенок котлованов и траншей более 3 м, глубиной до 3 м в грунтах устойчивых   | Wooden lining of foundation pit walls and trenches of more than 3 m depth, and up to 3 m of sustained soil   | м <sup>2</sup> / m <sup>2</sup> | 510               |                         |                              |
| 8                                | ЭСН1-165-1           | Устройство грунтовых подушек на просадочных грунтах методом послойной укатки  | Installation of ground bed on a sinking soil by method of layerwise rolling  | м <sup>3</sup> / m <sup>3</sup> | 1136              |                         |                              |
| 9                                | ЭСН1-33-5            | Засыпка траншей и котлованов с перемещением грунта до 5 м бульдозерами мощностью 79 (108) кВт (л.с.), 2 группа грунтов                | Backfilling of trenches and foundation areas with the displacement of soil to 5 m by the bulldozers with a power 79 (108) of kW (hp). Soil type - II | м <sup>3</sup> / m <sup>3</sup> | 618               |                         |                              |
| 10                               | ЭСН1-160-1           | Уплотнение грунта пневматическими трамбовками, группа грунтов 1, 2  | Compaction of the soil by pneumatic rams. Soil type - I & II   | м <sup>3</sup> / m <sup>3</sup> | 618               |                         |                              |
| 11                               | ЭСН1-196-2           | Засыпка вручную траншей, пазух котлованов и ям, группа грунтов 2  | Manual backfilling of trenches and foundation pit pockets. Soil type II  | м <sup>3</sup> / m <sup>3</sup> | 265               |                         |                              |
| 12                               | ЭСН1-192-2           | Разработка грунта вручную в траншеях глубиной до 2 м без креплений с откосами, группа грунтов 2 (отмостка)                            | Filling of soil by hand in the trenches 2m depth without slopes linings, soil group 2  | м <sup>3</sup> / m <sup>3</sup> | 10.58             |                         |                              |
| 13                               | ЭСН1-196-2           | Обратная засыпка грунта за стенки крылец  | Backfilling of soil inside the porch walls   | м <sup>3</sup> / m <sup>3</sup> | 35.8              |                         |                              |
| 14                               | ЭСН1-13-14           | Разработка грунта с погрузкой на а/самосвалы экскаваторами с ковшом вместимостью 0,65м3, группа грунтов 2 подвоз для обратной засыпки | Excavation of soil by excavator, hoe capacity 0,5 (0,5-0,63) m3 and loading to trucks, soil group 2, transportation for backfilling                  | м <sup>3</sup> / m <sup>3</sup> | 918.8             |                         |                              |
| 15                               | СРЦ                  | Вывоз грунта на 5 км. автомашиной КамАЗ при стоимости дизтоплива 2,8 сомони   | Removal of soil 5 km away, with a Kamaz truck, with a fuel price of 2.8 TJS  | тн / t                          | 1591.8            |                         |                              |

| №<br>п/п  | Шифр /<br>Justification | Наименование работ и затрат   | Description  | Един.из<br>м. / Unit            | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|---|-------------------------|---|--|---------------------------------|---------------------|--------------------------------|------------------------------------|
|   |                         | <b>Итого по разделу 1</b>   | <b>Section 1 total cost:</b>   |                                 |                     |                                |                                    |
| <b>Раздел 2. Цокольная часть (Фундаменты и стены)</b> |                         |   | <b>Section 2. Substructure</b>   |                                 |                     |                                |                                    |
| 16  | ЭСН11-5                 | Устройство гидроизоляции из полиэтиленовой пленки на бутилкаучуковом клее, с защитой рубероидом в 2 слоя          | Installation of waterproofing made of polyethylene on a butyl-rubber glue, with protection of the ruberoid (double layer)                          | м <sup>2</sup> / m <sup>2</sup> | 896                 |                                |                                    |
| 17  | ЭСН6-1-1                | Устройство бетонной подготовки из бетона класса В-3,5 толщиной 100 мм   | Installation of concrete blinding coat, made of concrete class B-3,5. of 100 thickness   | м <sup>3</sup> / m <sup>3</sup> | 60                  |                                |                                    |
| 18  | ЭСН6-1-16               | Устройство фундаментных плит железобетонных плоских и фундаментной балки ФБМ-1 из бетона класса В-15              | Installation of foundation reinforced-concrete plain beam and foundation slab FBM-1, made of concrete class B-15                                   | м <sup>3</sup> / m <sup>3</sup> | 177.3               |                                |                                    |
| 19  | СРЦ                     | Арматура класса А-III   | Armature, class A-III  | тн / t                          | 10.755              |                                |                                    |
| 20  | ЭСН6-15-6               | Установка фиксаторов их арматуры класса А-III   | Installation of retainers, made of armatures class A-III   | тн / t                          | 0.624               |                                |                                    |
| 21  | ЭСН6-15-10              | Армирование фундаментной балки ФБМ-1 и дополнительная арматура стен (перемычки ПРМ-1...7)                         | Reinforcement of foundation beam FBM-1 and additional armature for walls (squinch PRM 1 to PRM 7)  | тн / t                          | 4.968               |                                |                                    |
| 22  | ЭСН6-15-6               | Установка выпусков КФ-1 КФ-2 В-1 В-2  | Installation of outputs KF-1, KF-2, B-1, B-2   | тн / t                          | 1.472               |                                |                                    |
| 23  | ЭСН6-24-4               | Устройство стен подвалов и подпорных стен железобетонных высотой до 3 м, толщиной до 500 мм из бетона класса В-15 | Installation of basement walls and bearing reinforced-concrete walls to the height up to 3 m, and thickness of 500 mm, made of concrete class B-15 | м <sup>3</sup> / m <sup>3</sup> | 297                 |                                |                                    |
| 24  | СРЦ                     | Арматура класса А-III   | Armature, class A-III  | тн / t                          | 0.8758              |                                |                                    |
| 25  | СРЦ                     | Арматура класса А-I   | Armature, class A-I  | тн / t                          | 0.102               |                                |                                    |
| 26  | ЭСН6-24-3               | Устройство стен прямиков для освещения из бетона В-15   | Installation of sinks within the wall, for illumination (made of concrete B-15)  | м <sup>3</sup> / m <sup>3</sup> | 5.22                |                                |                                    |
| 27  | ЭСН6-41-1               | Устройство козырьков над прямыми из бетона В-15   | Installation of sinks within the abet-jour (made of concrete B-15)   | м <sup>3</sup> / m <sup>3</sup> | 2.18                |                                |                                    |
| 28  | 201-9002                | Проволока низкоуглеродистая класса Вр-1   | Low-carbon wire, class Vr-1  | тн / t                          | 0.5498              |                                |                                    |
| 29  | ЭСН6-24-4               | Устройство бетонных стен крылец и входной террасы из бетона класса В-15   | Assembling of concrete walls for the porch and entry terrace, made of concrete B-15  | м <sup>3</sup> / m <sup>3</sup> | 3.63                |                                |                                    |
| 30  | ЭСН8-2-1                | Устройство основания под подпольный канал песчаного   | Installation of sand bed for under-floor channel   | м <sup>3</sup> / m <sup>3</sup> | 3.86                |                                |                                    |
| 31  | ЭСН6-62-3               | Устройство монолитного железобетонного подпольного канала из бетона В-15 / БМ-200                                 | Installation of monolith reinforced-concrete under-floor channel (made of concrete B-15/BM-200)  | м <sup>3</sup> / m <sup>3</sup> | 5.4                 |                                |                                    |
| 32  | СРЦ                     | Арматура класса А-I, III  | Armature, class A-I, III   | тн / t                          | 0.7542              |                                |                                    |
| 33  | ЭСН8-3-7                | Обмазочная битумная изоляция стен подпольного канала в 2 слоя   | Surface bitumen waterproofed of under-floor channel (double layer)   | м <sup>2</sup> / m <sup>2</sup> | 34.7                |                                |                                    |
| 34  | ЭСН8-3-1                | Гидроизоляция стен, фундаментов горизонтальная цементная толщиной 20 мм   | Horizontal cement waterproofing of walls and foundation pits, with a thickness of 20 mm  | м <sup>2</sup> / m <sup>2</sup> | 99                  |                                |                                    |

| №<br>пп                                  | Шифр /<br>Justification | Наименование работ и затрат  | Description  | Един.из<br>м. / Unit            | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|--|-------------------------|--|--|---------------------------------|---------------------|--------------------------------|------------------------------------|
| 35                                       | ЭСН8-3-7                | Гидроизоляция боковая обмазочная битумная в 2 слоя по выровненной поверхности бетона с последующим наклеиванием полиэтиленовых пленок в 2 слоя | Lateral water proofing over the leveled concrete surfaces with a bitumen coating, 2 layers and further gluing of polyethylene tape (double layers) | м <sup>2</sup> / m <sup>2</sup> | 331                 |                                |                                    |
| 36                                       | ЭСН11-2-3               | Устройство подстилающих слоев гравийных под полы подвального этажа, толщиной 50 см   | Bedding course (manual) of gravel under floors of the basement. 50 cm thickness  | м <sup>3</sup> / m <sup>3</sup> | 223.6               |                                |                                    |
| 37                                       | ЭСН11-3-2               | Устройство уплотняемых самоходными катками подстилающих слоев гравийных  | Installation of compacted self-propelled rollers of under layer gravel   | м <sup>3</sup> / m <sup>3</sup> | 223.6               |                                |                                    |
| <b>Итого по разделу 2</b>                |                         |  | <b>Section 2 total cost:</b>   |                                 |                     |                                |                                    |
| <b>Раздел 3. Надземная часть (Стены)</b> |                         |  | <b>Section 3. Superstructure. Walls.</b>   |                                 |                     |                                |                                    |
| 38                                       | ЭСН8-5-3                | Кладка стен кирпичных наружных средней сложности при высоте этажа до 4 м из жженого кирпича М-75 на растворе М-100                             | External brickwork of middle-level difficulty, with the height of floor up to 4 m (made of baked brick M-75 on a solution M-100)                   | м <sup>3</sup> / m <sup>3</sup> | 242.6               |                                |                                    |
| 39                                       | ЭСН8-5-7                | Кладка стен кирпичных внутренних толщиной 380 мм при высоте этажа до 4 м из жженого кирпича М-75 на растворе М-100                             | Internal brickwork of thickness 380 mm with the height of floor up to 4 m (made of baked brick M-75 on a solution M-100)                           | м <sup>3</sup> / m <sup>3</sup> | 380.15              |                                |                                    |
| 40                                       | ЭСН8-5-9                | Кладка стен каналов вентиляционных из жженого кирпича М-75 на растворе М-100   | Brickwork of ventilation shaft made of baked brick M-75 on a solution M-100  | м <sup>3</sup> / m <sup>3</sup> | 11.25               |                                |                                    |
| 41                                       | ЭСН8-7-7                | Кладка из кирпича карнизов и парапета из жженого кирпича М-75 на растворе М-100  | Brickwork of cornice and parapet made of baked brick M-75 on a solution M-100  | м <sup>3</sup> / m <sup>3</sup> | 47.5                |                                |                                    |
| 42                                       | ЭСН6-35-1               | Устройство поясов в опалубке из бетона класса В-15   | Installation of belts into encasing, made of concrete B-15   | м <sup>3</sup> / m <sup>3</sup> | 49.87               |                                |                                    |
| 43                                       | СРЦ                     | Арматура класса А-III  | Armature, class A-III  | тн / t                          | 2.552               |                                |                                    |
| 44                                       | СРЦ                     | Арматура класса А-I  | Armature, class A-I  | тн / t                          | 0.677               |                                |                                    |
| 45                                       | ЭСН8-11-1               | Армирование кладки стен и других конструкций из СГ1, проволоки класса Вр-1   | Reinforcement of blockwork and other construction made of SG1, wires of class Vr-1   | тн / t                          | 2.841               |                                |                                    |
| 46                                       | ЭСН8-6-3                | Кладка перегородок из кирпича армированных толщ. в 1/2 кирпича при высоте этажа до 4 м   | Laying of partitions made of brick reinforced by thickness of 1/2 bricks, with the floor height of 4 m   | м <sup>2</sup> / m <sup>2</sup> | 488.2               |                                |                                    |
| 47                                       | ЭСН11-11-1              | Устройство стяжек цементных толщиной 20 мм (узел 1)  | Installation of cement brace-rod, of 20 mm thickness (node 1)  | м <sup>2</sup> / m <sup>2</sup> | 18.48               |                                |                                    |
| 48                                       | ЭСН15-96-1              | Штукатурка по сетке без устройства каркаса улучшенная стен   | Plastering as of grid, with no carcass on improvement of walls   | м <sup>2</sup> / m <sup>2</sup> | 1020                |                                |                                    |
| 49                                       | ЭСН7-44-1               | Установка арматурных стыковых накладок (узел 7)  | Installation of armature butt strip (node 7)   | тн / t                          | 0.7699              |                                |                                    |
| 50                                       | ЭСН6-34-9               | Устройство монолитных железобетонных перемычек ПРМ-1...7 из бетона класса В-15   | Installation of monolith reinforced-concrete squinch PRM 1 to PRM 7, made of concrete B-15   | м <sup>3</sup> / m <sup>3</sup> | 26.36               |                                |                                    |
| 51                                       | СРЦ                     | Арматура класса А-III  | Armature, class A-III  | тн / t                          | 1.4356              |                                |                                    |
| 52                                       | СРЦ                     | Арматура класса А-I  | Armature, class A-I  | тн / t                          | 0.3914              |                                |                                    |
| 53                                       | ЭСН6-35-1               | Устройство поясов ОП-1 в опалубке из бетона класса В-15  | Installation of belts OP-1 within concrete encasing of class B-15  | м <sup>3</sup> / m <sup>3</sup> | 0.44                |                                |                                    |

| № пп                               | Шифр / Justification | Наименование работ и затрат  | Description  | Един.из м. / Unit | Кол-во /Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|------------------------------------|----------------------|--|--|-------------------|------------------|-------------------------|------------------------------|
| 54                                 | СРЦ                  | Арматура класса А-III  | Armature, class A-III  | тн / t            | 0.0263           |                         |                              |
| 55                                 | СРЦ                  | Арматура класса А-I  | Armature, class A-I  | тн / t            | 0.0084           |                         |                              |
| 56                                 | ЭСН6-26-4            | Устройство монолитных железобетонных сердечников СМ-1...3 из бетона класса В-15                                  | Installation of monolith reinforced-concrete cores CM -1 to CM-3, made of concrete B-15                          | м³ / m³           | 39.38            |                         |                              |
| 57                                 | СРЦ                  | Арматура класса А-III  | Armature, class A-III  | тн / t            | 2.063            |                         |                              |
| 58                                 | СРЦ                  | Арматура класса А-I  | Armature, class A-I  | тн / t            | 0.433            |                         |                              |
| 59                                 | ЭСН6-26-4            | Устройство монолитных железобетонных колонн К-1 из бетона класса В-15  | Installation of monolith reinforced-concrete column made of concrete B-15  | м³ / m³           | 11.24            |                         |                              |
| 60                                 | СРЦ                  | Арматура класса А-III  | Armature, class A-III  | тн / t            | 0.648            |                         |                              |
| 61                                 | СРЦ                  | Арматура класса А-I  | Armature, class A-I  | тн / t            | 0.095            |                         |                              |
| 62                                 | СРЦ                  | Проволока низкоуглеродистая класса Вр-1  | Low-carbon wire, class Vr-1  | тн / t            | 0.03             |                         |                              |
| 63                                 | ЭСН6-26-4            | Устройство монолитных железобетонных стоек рамы РМ-1 из бетона класса В-15                                       | Installation of monolith reinforced frame legs, made of concrete B-15  | м³ / m³           | 2.4              |                         |                              |
| 64                                 | СРЦ                  | Арматура класса А-III  | Armature, class A-III  | тн / t            | 0.5592           |                         |                              |
| 65                                 | СРЦ                  | Арматура класса А-I  | Armature, class A-I  | тн / t            | 0.04             |                         |                              |
| 66                                 | ЭСН6-37-1            | Устройство монолитных железобетонных конструкций ригелей для рамы РМ-1 из бетона класса В-15                     | Installation of monolith reinforced-concrete construction crossbar for frame leg RM-1, made of concrete B-15     | м³ / m³           | 3.52             |                         |                              |
| 67                                 | СРЦ                  | Арматура класса А-III  | Armature, class A-III  | тн / t            | 0.6222           |                         |                              |
| 68                                 | СРЦ                  | Арматура класса А-I  | Armature, class A-I  | тн / t            | 0.0876           |                         |                              |
| 69                                 | ЭСН6-15-7            | Установка закладных деталей весом до 4 кг  | Installation of embedded parts, with the mass up to 4 kg   | тн / t            | 0.079            |                         |                              |
| 70                                 | ЭСН6-34-2            | Устройство монолитных железобетонных конструкций балок БМ-1, БМ-2 из бетона класса В-15                          | Installation of monolith reinforced-concrete beams BM-1, BM-2, made of concrete class B-15                       | м³ / m³           | 1.56             |                         |                              |
| 71                                 | СРЦ                  | Арматура класса А-III  | Armature, class A-III  | тн / t            | 0.161            |                         |                              |
| 72                                 | СРЦ                  | Арматура класса А-I  | Armature, class A-I  | тн / t            | 0.02             |                         |                              |
| 73                                 | ЭСН6-15-7            | Установка закладных деталей весом до 4 кг  | Installation of embedded parts, with the mass up to 4 kg   | тн / t            | 0.01             |                         |                              |
| <b>Итого по разделу 3</b>          |                      |  | <b>Section 3 total cost:</b>   |                   |                  |                         |                              |
| <b>Раздел 4. Лестницы и балкон</b> |                      |  | <b>Section 4. Staircases</b>   |                   |                  |                         |                              |
| 74                                 | ЭСН6-111-1           | Устройство монолитных железобетонных лестничных маршей прямоугольных ЛМ-1, ЛМ-2 из бетона класса В-15            | Installation of monolith reinforced-concrete rectangular pair of stairs LM-1, LM-2 made of concrete class B-15   | м³ / m³           | 11.84            |                         |                              |
| 75                                 | СРЦ                  | Арматура класса А-III  | Armature, class A-III  | тн / t            | 0.6611           |                         |                              |
| 76                                 | СРЦ                  | Арматура класса А-I  | Armature, class A-I  | тн / t            | 0.2168           |                         |                              |
| 77                                 | СРЦ                  | Проволока низкоуглеродистая класса Вр-1  | Low-carbon wire, class Vr-1  | тн / t            | 0.1472           |                         |                              |
| 78                                 | ЭСН7-80-1            | Устройство металлических ограждений с поручнями из твердолиственных пород лестничных маршей и балкона 3-го этажа | Installation of metallic fencing with handrails made of hard wood forest of pair of stairs and 3rd floor balcony | м / m             | 32.8             |                         |                              |

| № пп                        | Шифр / Justification | Наименование работ и затрат   | Description   | Един.из м. / Unit               | Кол-во /Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|-----------------------------|----------------------|---|---|---------------------------------|------------------|-------------------------|------------------------------|
| 79                          | ЭСН15-128-4          | Покраска металлических поверхностей ограждений с поручнями масляной краской за 2 раза   | Painting of metallic surfaces of fencing and handrails with an oil paint (double layer)   | м <sup>2</sup> / m <sup>2</sup> | 32.8             |                         |                              |
| 80                          | ЭСН15-155-2          | Устройство перегородок с двойным металлическим каркасом, обшитым двумя слоями гипсокартонных листов с обеих сторон, с шагом стоечных профилей 600мм, глухие высотой до 4.2м | Installation of partitions with double metallic carcass, encased with double layer gypsum-cardboard from both sides, with incremental step of stand profile of 600 mm, blind walls of 4.2 m | м <sup>2</sup> / m <sup>2</sup> | 12.3             |                         |                              |
| 81                          | ЭСН9-56-1            | Монтаж металлического люка ИМ21 в перекрытиях для выхода на кровлю  | Assembly of metallic manhole IM21 in lift slab leading to roof  | тн / t                          | 0.04             |                         |                              |
| 82                          | ЭСН9-32-1            | Монтаж лестниц-стремянкок ИМ2 для выхода на кровлю  | Assembly of folding stairs IM2 leading to roof  | тн / t                          | 0.087            |                         |                              |
| 83                          | ЭСН9-32-1            | Монтаж пожарных лестницы ПжЛ-1  | Assembly of fire-escape stairs PjL-1  | тн / t                          | 0.1184           |                         |                              |
| 84                          | 9-32-1, 9-33-1       | Монтаж пожарных лестниц ПжЛ-2 с площадкой из рифленой листовой стали толщиной 5 мм  | Assembly of fire-escape stairs PjL-2, with corrugated sheet steel with 5 mm thickness.  | тн / t                          | 0.9627           |                         |                              |
| 85                          | ЭСН15-128-4          | Масляная окраска металлических поверхностей лестниц и люка  | Oil painting of metallic surface of manhole and staircases  | м <sup>2</sup> / m <sup>2</sup> | 39               |                         |                              |
|                             |                      | <b>Итого по разделу 4</b>   | <b>Section 4 total cost:</b>  |                                 |                  |                         |                              |
| <b>Раздел 5. Перекрытие</b> |                      |   | <b>Section 5. Ceiling</b>   |                                 |                  |                         |                              |
| 86                          | ЭСН6-34-2            | Устройство монолитных железобетонных конструкций балок БМ-1, БМ-2 для перекрытий из бетона класса В-15  | Installation of monolith reinforced-concrete beams BM-1, BM-2, for covering, made of concrete class B-15  | м <sup>3</sup> / m <sup>3</sup> | 22.04            |                         |                              |
| 87                          | СРЦ                  | Арматура класса А-III   | Armature, class A-III   | тн / t                          | 2.687            |                         |                              |
| 88                          | СРЦ                  | Арматура класса А-I   | Armature, class A-I   | тн / t                          | 0.4944           |                         |                              |
| 89                          | ЭСН6-15-7            | Установка закладных деталей весом до 4 кг   | Installation of embedded parts, with the mass up to 4 kg  | тн / t                          | 0.0048           |                         |                              |
| 90                          | ЭСН7-91-5            | Установка панелей перекрытий с опиранием на две стороны площадью до 10 м2, в районах с сейсмичностью 7-9 баллов   | Installation of covering slabs bearing onto both sides up to 10m <sup>2</sup> area, in districts with the level of seismicity from 7 to 9   | шт/nos                          | 197              |                         |                              |
| 91                          | СРЦ                  | Стоимость плит  | Cost (price) of the slabs   | м <sup>2</sup> / m <sup>2</sup> | 906.24           |                         |                              |
| 92                          | СРЦ                  | Стоимость плит  | Cost (price) of the slabs   | м <sup>2</sup> / m <sup>2</sup> | 407.1            |                         |                              |
| 93                          | ЭСН6-35-1            | Устройство сейсмопояса, железобетонные в опалубке из бетона В-15  | Installation of the seismic belt, reinforced-concrete into encasing, made of concrete B-15  | м <sup>3</sup> / m <sup>3</sup> | 26.22            |                         |                              |
| 94                          | СРЦ                  | Арматура класса А-III   | Armature, class A-III   | тн / t                          | 1.595            |                         |                              |
| 95                          | СРЦ                  | Арматура класса А-I   | Armature, class A-I   | тн / t                          | 0.4647           |                         |                              |
| 96                          | ЭСН6-35-2            | Устройство поясов обвязочные, железобетонные без опалубки   | Installation of banding belts, reinforced-concrete, with no encasing  | м <sup>3</sup> / m <sup>3</sup> | 23.65            |                         |                              |
| 97                          | СРЦ                  | Арматура класса А-III   | Armature, class A-III   | тн / t                          | 0.957            |                         |                              |
| 98                          | СРЦ                  | Арматура класса А-I   | Armature, class A-I   | тн / t                          | 0.2124           |                         |                              |



| № пп                         | Шифр / Justification | Наименование работ и затрат  | Description   | Един.из м. / Unit               | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|------------------------------|----------------------|--|---|---------------------------------|-------------------|-------------------------|------------------------------|
| 99                           | ЭСН6-41-9            | Устройство монолитных участков МУ-1...6 при сборном железобетонном перекрытии площадью до 5 м2 приведенной т. до 200 мм  | Installation of monolith areas MU-1 to MU 6, with pre-assembled reinforced-concrete covering, and area up to 5 m <sup>2</sup> , with a designed thickness of 200 mm | м <sup>3</sup> / m <sup>3</sup> | 63.99             |                         |                              |
| 100                          | СРЦ                  | Арматура класса А-III  | Armature, class A-III   | тн / t                          | 7.43              |                         |                              |
| 101                          | СРЦ                  | Арматура класса А-I  | Armature, class A-I   | тн / t                          | 0.019             |                         |                              |
| 102                          | СРЦ                  | Проволока низкоуглеродистая класса Вр-1  | Low-carbon wire, class Vr-1   | тн / t                          | 0.372             |                         |                              |
| 103                          | СРЦ                  | Фиксатор диаметром 12 А-III  | Armature chair, with diameter of 12 A-III   | тн / t                          | 0.556             |                         |                              |
|                              |                      | <b>Итого по разделу 5</b>  | <b>Section 5 total cost:</b>  |                                 |                   |                         |                              |
| <b>Раздел 6. Шахта лифта</b> |                      |  | <b>Section 6. Of lift shaft</b>   |                                 |                   |                         |                              |
| 104                          | ЭСН11-5              | Устройство гидроизоляции из полиэтиленовой пленки на бутилкаучуковом клее, с защитой рубероидом в 2 слоя                 | Installation of waterproofing made of polyethylene on a butyl-rubber glue, with protection of the ruberoid (double layer)   | м <sup>2</sup> / m <sup>2</sup> | 27                |                         |                              |
| 105                          | ЭСН6-1-1             | Устройство бетонной подготовки из бетона класса В-3,5  | Installation of concrete blinding coat, made of concrete class B-3,5  | м <sup>3</sup> / m <sup>3</sup> | 1.05              |                         |                              |
| 106                          | ЭСН6-1-22            | Устройство ленточных фундаментов железобетонных при ширине поверху до 1000 мм из бетона класса В-12,5                    | Installation of belt reinforced-concrete foundation pit, up to upper width of 1000 mm, made of concrete class B-12,5  | м <sup>3</sup> / m <sup>3</sup> | 2.66              |                         |                              |
| 107                          | СРЦ                  | Арматура класса А-3  | Armature, class A-III   | тн / t                          | 0.1526            |                         |                              |
| 108                          | ЭСН6-15-6            | Установка выпусков из арматуры А-3   | Installation of outputs of A-3 armature   | тн / t                          | 0.0455            |                         |                              |
| 109                          | ЭСН8-3-7             | Гидроизоляция боковая обмазочная битумная в 2 слоя по бетону с последующим наклейкой полиэтиленовых пленок в 2 слоя      | Installation of waterproofing made of polyethylene on a butyl-rubber glue, with protection of the ruberoid (double layer)   | м <sup>2</sup> / m <sup>2</sup> | 34.7              |                         |                              |
| 110                          | ЭСН6-31-3            | Устройство железобетонных стен и перегородок высотой до 3 м, толщиной 200 мм из бетона класса В-17 (БМ-250)              | Installation of reinforced-concrete walls and covering to the height up to 3 m, and thickness of 200 mm, made of concrete class B-17 (BM-250)                       | м <sup>3</sup> / m <sup>3</sup> | 18.87             |                         |                              |
| 111                          | СРЦ                  | Арматура класса А-III  | Armature, class A-III   | тн / t                          | 1.874             |                         |                              |
| 112                          | СРЦ                  | Арматура класса А-I  | Armature, class A-I   | тн / t                          | 0.102             |                         |                              |
| 113                          | ЭСН6-15-7            | Установка закладных деталей весом до 4 кг  | Installation of embedded parts, with the mass up to 4 kg  | тн / t                          | 0.028             |                         |                              |
| 114                          | ЭСН6-41-1            | Устройство перекрытий шахты лифта толщиной до 200 мм, на высоте от опорной площади до 6 м из бетона класса В-15 (БМ-200) | Installation of elevator shaft's covering with a thickness up to 200 mm, on a height (starting from bearing area) up to 6 m, made of concrete class B-15 (BM-200)   | м <sup>3</sup> / m <sup>3</sup> | 3.36              |                         |                              |
| 115                          | СРЦ                  | Арматура класса А-III  | Armature, class A-III   | тн / t                          | 0.596             |                         |                              |
| 116                          | ЭСН10-39-5           | Установка люков в перекрытиях площадью проема до 2 м2  | Installation of manholes in covering, with aperture area up to 2 m <sup>2</sup>   | м <sup>2</sup> / m <sup>2</sup> | 1.04              |                         |                              |
| 117                          | ЭСН7-89-16           | Изоляция шахт лифтов паклей просмоленной   | Isolation (insulation) of elevator shafts with impregnated hemp   | м / m                           | 15                |                         |                              |
|                              |                      | <b>Итого по разделу 6</b>  | <b>Section 6 total cost:</b>  |                                 |                   |                         |                              |
| <b>Раздел 7. Кровля</b>      |                      |  | <b>Section 7. Roof</b>  |                                 |                   |                         |                              |
| 118                          | ЭСН6-35-1            | Устройство монолитного железобетонного обвязочного пояса ОП-1, ОП-2 парапета кровли                                      | Installation of monolith reinforced-concrete banding belt OP1, OP-2 parapet of the roof   | м <sup>3</sup> / m <sup>3</sup> | 12.82             |                         |                              |

| № пп                  | Шифр / Justification | Наименование работ и затрат  | Description  | Един.из м. / Unit               | Кол-во /Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|-----------------------|----------------------|--|--|---------------------------------|------------------|-------------------------|------------------------------|
| 119                   | СРЦ                  | Арматура класса А-III  | Armature, class A-III  | тн / t                          | 0.4347           |                         |                              |
| 120                   | СРЦ                  | Арматура класса А-I  | Armature, class A-I  | тн / t                          | 0.074            |                         |                              |
| 121                   | ЭСН12-15-1           | Устройство пароизоляции клеенной в один слой из рубероида 350б   | Installation of steemproofing (insulation) with one layer of ruberoid 350b                   | м <sup>2</sup> / m <sup>2</sup> | 517.6            |                         |                              |
| 122                   | ЭСН12-14-2           | Утепление покрытий керамзитом, толщиной 180 мм   | Heat insulation of surfaces with claydite, of 180 mm thickness                               | м <sup>3</sup> / m <sup>3</sup> | 93.2             |                         |                              |
| 123                   | ЭСН12-17-1           | Устройство выравнивающих стяжек цементно-песчаных толщиной 15 мм   | Installation of smooth covering with cement & sand bridle, of 15 mm thickness                | м <sup>2</sup> / m <sup>2</sup> | 517.6            |                         |                              |
| 124                   | ЭСН10-2-1            | Установка стропил, мауэрлатов, стоек и других конструкций кровли   | Installation of rafter, bracing, post, timbers and other elements of roof                    | м <sup>3</sup> / m <sup>3</sup> | 17.16            |                         |                              |
| 125                   | ЭСН10-82-1           | Укладка по фермам прогонов из досок  | Laying of granges with binding rafter  | м <sup>3</sup> / m <sup>3</sup> | 1.95             |                         |                              |
| 126                   | ЭСН10-87-1           | Огнезащита деревянных конструкций ферм, арок, балок, стропил, мауэрлатов в т.ч. обрешетки                    | Fire protection of wooden structures of principal, arch, rafter, bracing including furring   | м <sup>3</sup> / m <sup>3</sup> | 29.91            |                         |                              |
| 127                   | ЭСН12-20-1           | Устройство кровель различных типов из цельнолистовой профилированной металлочерепицы с устройством обрешетки | Installation of various type roofs made of whole sheet profiles metal tiles with fleaking    | м <sup>2</sup> / m <sup>2</sup> | 720              |                         |                              |
| 128                   | ЭСН12-10-1           | Устройство мелких покрытий (конька, ендовы и т.п.) из листовой оцинкованной стали                            | Installation of minor covers ( apex, valley) made from galvanized roof steel                 | м <sup>2</sup> / m <sup>2</sup> | 62               |                         |                              |
| 129                   | ЭСН10-3-1            | Устройство слуховых окон   | Installation of roof dormer  | шт/nos                          | 4                |                         |                              |
| 130                   | E16-21-1             | Установка воронок водосточных  | Installation of roof drains  | шт/nos                          | 8                |                         |                              |
| 131                   | E16-15-2             | Прокладка водосточных труб полиэтиленовых высокой плотности наружным диаметром 110мм                         | Laying of drain pipes made of polyethylene of high-density, with external diameter of 110 mm | м / m                           | 90               |                         |                              |
| 132                   | ЭСН12-9-2            | Устройство желобов подвесных   | Installation of overhead water channels  | м / m                           | 98               |                         |                              |
| 133                   | ЭСН9-32-1            | Монтаж ограждений (перила ОГМ-1) кровля из металлических конструкций   | Installation of fencing (handrails OGM-1), roof made of metallic structures                  | тн / t                          | 0.435            |                         |                              |
| 134                   | ЭСН15-128-4          | Покраска металлических поверхностей ограждений масляной краской за 2 раза                                    | Oil painting of metallic fencing surfaces (double layer)                                     | м <sup>2</sup> / m <sup>2</sup> | 66               |                         |                              |
|                       |                      | <b>Итого по разделу 7</b>  | <b>Section 7 total cost:</b>   |                                 |                  |                         |                              |
| <b>Раздел 8. Полы</b> |                      |  | <b>Section 8. Floors</b>   |                                 |                  |                         |                              |
|                       |                      | <u>Деталь 250</u>  | <u>Floor item 250</u>  |                                 |                  |                         |                              |
| 135                   | ЭСН11-1-2            | Уплотнение грунта щебнем   | Compaction of the soil with crushed stone  | м <sup>2</sup> / m <sup>2</sup> | 354.41           |                         |                              |
| 136                   | ЭСН11-2-9            | Устройство подстилающих слоев бетонных из бетона класса В-7,5 толщиной 80мм                                  | Installation of concrete underlayers made of concrete class B-7,5, of 80 mm thickness        | м <sup>3</sup> / m <sup>3</sup> | 28.35            |                         |                              |
| 137                   | ЭСН11-11-1           | Устройство стяжки из цементно-песчанного раствора М150 толщиной 20мм   | Installation of bridle made of cement-sand composite M150, of 20 mm thickness                | м <sup>2</sup> / m <sup>2</sup> | 354.41           |                         |                              |
| 138                   | 11-01-004-01         | Устройство гидроизоляции пола 2-я слоями толя  | Waterproofing of the floor by double layer of tar  | м <sup>2</sup> / m <sup>2</sup> | 354.41           |                         |                              |

| № пп | Шифр / Justification | Наименование работ и затрат   | Description  | Един.из м. / Unit               | Кол-во /Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|------|----------------------|---|--|---------------------------------|------------------|-------------------------|------------------------------|
| 139  | ЭСН11-11-1           | Устройство стяжки из цементно-песчанного раствора М150 толщиной 20мм                  | Installation of bridle made of cement-sand composite M150, of 20 mm thickness                    | м <sup>2</sup> / m <sup>2</sup> | 354.41           |                         |                              |
| 140  | ЭСН11-27-2           | Устройство покрытий на цементном растворе из плиток Серанит                           | Installation of covering on cement solution made by Seranit tiles                                | м <sup>2</sup> / m <sup>2</sup> | 223              |                         |                              |
| 141  | ЭСН11-39-4           | Устройство плинтусов из плиток  | Installation of plinths by tiles   | м / m                           | 239              |                         |                              |
|      |                      | <u>Деталь 222</u>   | <u>Floor item 222</u>  |                                 |                  |                         |                              |
| 142  | ЭСН11-1-2            | Уплотнение грунта щебнем  | Compaction of the soil with crushed stone  | м <sup>2</sup> / m <sup>2</sup> | 58.11            |                         |                              |
| 143  | ЭСН11-2-9            | Устройство подстилающих слоев бетонных из бетона класса В-7,5 толщиной 80мм           | Installation of concrete underlayers made of concrete class В-7,5, of 80 mm thickness            | м <sup>3</sup> / m <sup>3</sup> | 4.65             |                         |                              |
| 144  | ЭСН11-11-1           | Устройство стяжки из цементно-песчанного раствора М150 толщиной 20мм                  | Installation of bridle made of cement-sand composite M150, of 20 mm thickness                    | м <sup>2</sup> / m <sup>2</sup> | 58.11            |                         |                              |
| 145  | ЭСН11-4-5            | Прослойка из быстротвердеющей мастики δ=1мм   | Interlayer from fast-solidifying mastic δ=1mm  | м <sup>2</sup> / m <sup>2</sup> | 58.11            |                         |                              |
| 146  | ЭСН11-36-1           | Ленолеум с теплозвукоизоляционным слоем δ=6мм   | Linoleum with heat and sound insulation (isolation) δ=6mm  | м <sup>2</sup> / m <sup>2</sup> | 58.11            |                         |                              |
| 147  | ЭСН11-39-1           | Устройство плинтусов деревянных   | Installation of wooden plinths   | м / m                           | 62.2             |                         |                              |
| 148  | ЭСН15-123-3          | Улучшенная окраска масляными составами по дереву плинтусов                            | Enhanced painting with oil composites on wooden plinths  | м <sup>2</sup> / m <sup>2</sup> | 6.2              |                         |                              |
|      |                      | <u>Деталь 132</u>   | <u>Floor item 132</u>  |                                 |                  |                         |                              |
| 149  | ЭСН11-9-2            | Устройство тепло- и звукоизоляции сплошной из плит древесноволокнистых толщиной 25 мм | Installation of heat and sound insulation (isolation) from blind wooden fiber of 25 mm thickness | м <sup>2</sup> / m <sup>2</sup> | 490.2            |                         |                              |
| 150  | 11-11-1, 11-11-2     | Устройство стяжки из цементно-песчанного раствора М150 толщиной 40 мм                 | Installation of bridle made of cement-sand composite M150, of 40 mm thickness                    | м <sup>2</sup> / m <sup>2</sup> | 490.2            |                         |                              |
| 151  | ЭСН11-27-2           | Устройство покрытий на цементном растворе из плиток Серанит                           | Installation of covering on cement solution made by Seranit tiles                                | м <sup>2</sup> / m <sup>2</sup> | 490              |                         |                              |
| 152  | ЭСН11-39-4           | Устройство плинтусов из плиток  | Installation of plinths by tiles   | м / m                           | 524              |                         |                              |
|      |                      | <u>Деталь 122</u>   | <u>Floor item 122</u>  |                                 |                  |                         |                              |
| 153  | ЭСН11-11-1           | Устройство стяжки из цементно-песчанного раствора М150 толщиной 20мм                  | Installation of bridle made of cement-sand composite M150, of 20 mm thickness                    | м <sup>2</sup> / m <sup>2</sup> | 148.7            |                         |                              |
| 154  | ЭСН11-01-004-01      | Устройство гидроизоляции пола 2-я слоями толя   | Waterproofing of the floor by double layer of tar  | м <sup>2</sup> / m <sup>2</sup> | 148.7            |                         |                              |
| 155  | ЭСН11-11-1           | Устройство стяжки из цементно-песчанного раствора М150 толщиной 20мм                  | Installation of bridle made of cement-sand composite M150, of 20 mm thickness                    | м <sup>2</sup> / m <sup>2</sup> | 148.7            |                         |                              |
| 156  | ЭСН11-27-2           | Устройство покрытий на цементном растворе из плиток Серанит                           | Installation of covering on cement solution made by Seranit tiles                                | м <sup>2</sup> / m <sup>2</sup> | 148.7            |                         |                              |
| 157  | ЭСН11-39-4           | Устройство плинтусов из плиток  | Installation of plinths by tiles   | м / m                           | 159              |                         |                              |
|      |                      | <u>Деталь 41 (56)</u>   | <u>Floor item 41(56)</u>   |                                 |                  |                         |                              |

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|-------------------------|----------------------|---|--|---------------------------------|------------------|-------------------------|------------------------------|
| 158                     | ЭСН11-9-2            | Устройство тепло- и звукоизоляции сплошной из плит древесноволокнистых толщиной 25 мм   | Installation of heat and sound insulation (isolation) from blind wooden fiber of 25 mm thickness   | м <sup>2</sup> / m <sup>2</sup> | 691.3            |                         |                              |
| 159                     | ЭСН11-11-2           | Устройство стяжек цементных толщиной 40 мм  | Installation of bridle of 40 mm thickness  | м <sup>2</sup> / m <sup>2</sup> | 691.3            |                         |                              |
| 160                     | ЭСН11-34-3           | Устройство покрытий из паркета штучного без жилок   | Installation of covering made of enervose single-piece parquet flooring  | м <sup>2</sup> / m <sup>2</sup> | 691.3            |                         |                              |
| 161                     | ЭСН11-36-1           | Ленолеум безшовный с теплозвукоизоляционным слоем δ=6мм   | Jointless linoleum with heat and sound insulation (isolation) with a layer δ=6mm   | м <sup>2</sup> / m <sup>2</sup> | 691.3            |                         |                              |
| 162                     | ЭСН11-39-1           | Устройство плинтусов деревянных   | Installation of wooden plinths   | м / m                           | 739              |                         |                              |
| 163                     | ЭСН15-123-3          | Улучшенная окраска масляными составами по дереву плинтусов  | Enhanced painting with oil composites on wooden plinths  | м <sup>2</sup> / m <sup>2</sup> | 73.9             |                         |                              |
|                         |                      | <u>Полы прямка</u>  | <u>Sink Floor</u>  |                                 |                  |                         |                              |
| 164                     | ЭСН11-1-1            | Уплотнение грунта гравием   | Compaction of the soil with gravel   | м <sup>2</sup> / m <sup>2</sup> | 19.8             |                         |                              |
| 165                     | ЭСН11-2-9            | Устройство подстилающих слоев бетонных толщ.100мм   | Installation of concrete underlayers of 100 mm thickness   | м <sup>3</sup> / m <sup>3</sup> | 1.98             |                         |                              |
|                         |                      | <b>Итого по разделу 8</b>   | <b>Section 8 total cost:</b>   |                                 |                  |                         |                              |
| <b>Раздел 9. Проемы</b> |                      |   | <b>Section 9. Openings</b>   |                                 |                  |                         |                              |
| 165                     | ЭСН10-39-5           | Установка люков в перекрытиях площадью проема до 2 м <sup>2</sup>   | Installation of the manholes with coverings of aperutre area up to 2 m <sup>2</sup>  | м <sup>2</sup> / m <sup>2</sup> | 0.71             |                         |                              |
| 166                     | ЭСН10-34-2           | Установка в жилых и общественных зданиях оконных блоков из ПВХ профилей поворотных (откидных, поворотно-откидных) с площадью проема более 2 м <sup>2</sup> двухстворчатых | Installation, within living and public buildings, windows blocks made from pivoted PVC profiles (pulldown and swivel-pulldown) with aperture area more than 2 m <sup>2</sup> (double-wing) | м <sup>2</sup> / m <sup>2</sup> | 225.64           |                         |                              |
| 167                     | ЭСН10-34-1           | Установка в жилых и общественных зданиях оконных фрамуг из ПВХ профилей поворотных (откидных, поворотно-откидных) с площадью проема до 2 м <sup>2</sup> одностворчатых    | Installation, within living and public buildings, windows blocks made from pivoted PVC profiles (pulldown and swivel-pulldown) with aperture area up to 2 m <sup>2</sup> (double-wing)     | м <sup>2</sup> / m <sup>2</sup> | 32.72            |                         |                              |
| 168                     | ЭСН10-35-1           | Установка подоконных досок из ПВХ в каменных стенах толщиной до 0,51м   | Installation of windowsill made of PVC, within stone wall with a thickness up to 0,51 m  | м / m                           | 125              |                         |                              |
| 169                     | ЭСН9-47-5            | Установка металлических решеток в оконных и дверных проемах   | Installation of metallic grids into window and door apertures  | м <sup>2</sup> / m <sup>2</sup> | 152.27           |                         |                              |
| 170                     | ЭСН15-128-4          | Масляная окраска металлических поверхностей за 2 раза   | Oil painting of metallic surfaces (double layer)   | м <sup>2</sup> / m <sup>2</sup> | 152.27           |                         |                              |
| 171                     | ЭСН10-47-1           | Установка блоков из ПВХ профилей в внутренних дверных проемах каменных стен площадью проема до 3 м <sup>2</sup> (Дб-1, ДГ-9 по проекту)                                   | Installation of blocks made of PVC profiles within internal door apertures of stone walls, in area of aperture up to 3 m <sup>2</sup> (Db-1, DG-9 as of project design)                    | м <sup>2</sup> / m <sup>2</sup> | 65.82            |                         |                              |

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|--------------------------------------|----------------------|---|---|---------------------------------|------------------|-------------------------|------------------------------|
| 172                                  | ЭСН10-47-2           | Установка блоков из алюминиевых профилей в наружных и внутренних дверных проемах каменных стен площадью проема более 3 м <sup>2</sup> (ДО-1, ДО-8 по проекту) | Installation of blocks made of aluminium profiles within external and internal door apertures of stone walls, with an area of aperture more than 3 m <sup>2</sup> (DO-1, DO-9 as of project design) | м <sup>2</sup> / m <sup>2</sup> | 49.92            |                         |                              |
| 173                                  | ЭСН10-39-1           | Установка деревянных из МДФ дверных блоков в наружных и внутренних дверных проемах каменных стен (Д-2,Д-3,Д-4,Д-5,Д-6,Д-7)                                    | Installation of wooden, made of MDF, door blocks, within internal and external door apertures of stone walls (D-2, D-3, D-4, D-5, D-6, D-7)   | м <sup>2</sup> / m <sup>2</sup> | 160.03           |                         |                              |
|                                      |                      | <b>Итого по разделу 9</b>   | <b>Section 9 total cost:</b>  |                                 |                  |                         |                              |
| <b>Раздел 10. Внутренняя отделка</b> |                      |   | <b>Section 10. Internal finishing</b>   |                                 |                  |                         |                              |
| 174                                  | ЭСН15-84-1           | Сплошное выравнивание бетонных поверхностей (однослойная штукатурка) известковым раствором стен подвала   | Entire levelling of concrete surfaces (single layer plastering) of basement walls using limestone solution (composite)  | м <sup>2</sup> / m <sup>2</sup> | 1070.2           |                         |                              |
| 175                                  | ЭСН15-84-1           | Сплошное выравнивание бетонных поверхностей (однослойная штукатурка) известковым раствором стен прямка и козырька   | Entire levelling of concrete surfaces (single layer plastering) of sink and abatement walls using limestone solution (composite)  | м <sup>2</sup> / m <sup>2</sup> | 157.8            |                         |                              |
| 176                                  | ЭСН15-84-2           | Сплошное выравнивание бетонных поверхностей (однослойная штукатурка) известковым раствором монолитных участков потолков                                       | Entire levelling of concrete surfaces (single layer plastering) of monolith parts of ceiling using limestone solution (composite)   | м <sup>2</sup> / m <sup>2</sup> | 127.4            |                         |                              |
| 177                                  | ЭСН15-91-1           | Штукатурка поверхностей оконных и дверных откосов плоских   | Plastering of window and door plane esconson  | м <sup>2</sup> / m <sup>2</sup> | 50.6             |                         |                              |
| 178                                  | ЭСН15-19-1           | Гладкая облицовка стен и откосов глазурованными плитками по кирпичу и бетону в подвале  | Smooth revetment of walls and esconson with glaze tiles within brick and concrete of the basement   | м <sup>2</sup> / m <sup>2</sup> | 282.7            |                         |                              |
| 179                                  | P11-197              | Алебастровая стяжка стен и откосов толщиной 4мм   | Alabaster covering of walls and esconson, coat thickness 4 mm   | м <sup>2</sup> / m <sup>2</sup> | 838.1            |                         |                              |
| 180                                  | P11-217              | Алебастровая стяжка потолков и балок толщиной намета 4мм  | Alabaster covering of ceilings and beams, coat thickness 4 mm   | м <sup>2</sup> / m <sup>2</sup> | 432.5            |                         |                              |
| 181                                  | ЭСН15-123-8          | Улучшенная окраска масляными составами стен по подготовленной поверхности   | Enhanced painting with oil composites on a prepared surface   | м <sup>2</sup> / m <sup>2</sup> | 391              |                         |                              |
| 182                                  | ЭСН15-111-7          | Улучшенная окраска акриловыми водоземлюсионными латексными красками стен, откосов и стен прямка по подготовленной поверхности                                 | Enhanced painting with acrylic water-emulsion latex paint of walls, esconson and walls of sink, as of prepared surface  | м <sup>2</sup> / m <sup>2</sup> | 604.9            |                         |                              |
| 183                                  | ЭСН15-111-5          | Улучшенная окраска поливинилацетатными водоземлюсионными составами потолков и балок по подготовленной поверхности   | Enhanced painting with polyvinylacetate water-emulsion composite, of ceilings and beams as of prepared surface  | м <sup>2</sup> / m <sup>2</sup> | 432.5            |                         |                              |
| 184                                  | ЭСН15-81-3           | Улучшенное оштукатуривание стен цементно-известковым раствором по камню и бетону  | Enhanced wall plastering with cement-limestone composite applied as of stone and concrete   | м <sup>2</sup> / m <sup>2</sup> | 3201.4           |                         |                              |
| 185                                  | ЭСН15-91-1           | Штукатурка поверхностей оконных и дверных откосов по бетону и камню плоских   | Plastering of surfaces of window and door esconson as of concrete and plane stones  | м <sup>2</sup> / m <sup>2</sup> | 151.3            |                         |                              |

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|------------------------------------|----------------------|---|---|---------------------------------|------------------|-------------------------|------------------------------|
| 186                                | ЭСН15-94-1           | Штукатурка лестничных маршей и площадок улучшенная без отделки косоуров и балок   | Enhanced plastering of staircase and landings with no finishing of stair carriage and beams                                   | м <sup>2</sup> / m <sup>2</sup> | 72               |                         |                              |
| 187                                | ЭСН15-84-2           | Сплошное выравнивание бетонных поверхностей (однослойная штукатурка) известковым раствором монолитных участков потолков             | Solid (entire) smoothing of concrete surfaces (single layer plastering) with limestone solution of monolith parts of ceiling  | м <sup>2</sup> / m <sup>2</sup> | 453.5            |                         |                              |
| 188                                | ЭСН15-19-1           | Гладкая облицовка стен и откосов глазурованными плитками по кирпичу и бетону  | Smooth revetment of walls and esconson with glaze tiles within brick and concrete   | м <sup>2</sup> / m <sup>2</sup> | 525.9            |                         |                              |
| 189                                | ЭСН15-38-2           | Облицовка ступеней и площадок лестничного марша керамогранитными плитками толщиной до 15 мм   | Revetment of staircases and landing of stair flights by ceramic-granite tiles of 15 mm thickness                              | м <sup>2</sup> / m <sup>2</sup> | 53.8             |                         |                              |
| 190                                | P11-197              | Алебастровая стяжка стен толщиной 4мм   | Alabaster covering of walls, coat thickness 4 mm  | м <sup>2</sup> / m <sup>2</sup> | 2675.5           |                         |                              |
| 191                                | P11-229              | Алебастровая стяжка откосов внутри здания, прямолинейных  | Alabaster covering of rectilinear esconsons within the building,  | м <sup>2</sup> / m <sup>2</sup> | 151.3            |                         |                              |
| 192                                | P11-217              | Алебастровая стяжка потолков и балок толщиной намета 4мм  | Alabaster cover of ceilings and beam, of 4 mm thickness   | м <sup>2</sup> / m <sup>2</sup> | 1385.2           |                         |                              |
| 193                                | ЭСН15-123-8          | Улучшенная окраска масляными составами стен по подготовленной поверхности   | Enhanced painting, with the oil composites, of walls as of prepared surface   | м <sup>2</sup> / m <sup>2</sup> | 1437.2           |                         |                              |
| 194                                | ЭСН15-111-7          | Улучшенная окраска акриловыми водоземлюсионными латексными красками стен и откосов по подготовленной поверхности                    | Enhanced painting, with acryl water-emulsion latex paint, of walls and esconsons, as of prepared surface                      | м <sup>2</sup> / m <sup>2</sup> | 1389.6           |                         |                              |
| 195                                | ЭСН15-111-5          | Улучшенная окраска поливинилацетатными водоземлюсионными составами потолков и балок по подготовленной поверхности                   | Enhanced painting with polyvinylacetate water-emulsion composite, of ceilings and beams as of prepared surface                | м <sup>2</sup> / m <sup>2</sup> | 1385.2           |                         |                              |
|                                    |                      | <b>Итого по разделу 10</b>  | <b>Section 10 total cost:</b>   |                                 |                  |                         |                              |
| <b>Раздел 11. Наружная отделка</b> |                      |   | <b>Section 11. External decoration</b>  |                                 |                  |                         |                              |
| 196                                | ЭСН15-71-1           | Улучшенная штукатурка цементно-известковым раствором по камню стен  | Enhanced plastering of stone walls with a cement-limestone composite  | м <sup>2</sup> / m <sup>2</sup> | 960              |                         |                              |
| 197                                | ЭСН15-73-1           | Высококачественная штукатурка цементно-известковым раствором по камню откосов при ширине до 200 мм плоских                          | High-end plastering of a plane stone esconsons with a cement-lime composite, of 200 mm thickness                              | м / m                           | 630              |                         |                              |
| 198                                | ЭСН15-84-7           | Шпатлёвка стен фасада   | Filling-up of façade walls  | м <sup>2</sup> / m <sup>2</sup> | 1036             |                         |                              |
| 199                                | ЭСН15-117-1          | Окраска фасадов с лесов по подготовленной поверхности фасадной краской  | Painting of façade over prepared surface with a facade paint  | м <sup>2</sup> / m <sup>2</sup> | 1036             |                         |                              |
| 200                                | ЭСН15-17-1           | Наружная облицовка по бетонной поверхности фасадными керамическими цветными плитками (типа "кабанчик") на цементном растворе цоколя | External revetment over concrete surfaces of socle with façade coloured ceramic tiles ("pylon" type) with a cement composite. | м <sup>2</sup> / m <sup>2</sup> | 96.44            |                         |                              |



| № пп  | Шифр / Justification | Наименование работ и затрат   | Description   | Един.из м. / Unit               | Кол-во /Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|---|----------------------|---|---|---------------------------------|------------------|-------------------------|------------------------------|
| 201   | ЭСН15-96-5           | Штукатурка по сетке без устройства каркаса высококачественная колонн                                  | Plastering as of grid, with no carcass on high-quality columns  | м <sup>2</sup> / m <sup>2</sup> | 99.8             |                         |                              |
| 202   | ЭСН15-34-1           | Облицовка колонн декоративными плитками   | Revetment of columns by decorative tiles  | м <sup>2</sup> / m <sup>2</sup> | 99.8             |                         |                              |
| 203   | ЭСН12-8-2            | Устройство обделок на фасадах (наружные подоконники, пояски, балконы и др.) без водосточных труб      | Installation of lining on façade (external windowsills, belts, balconies and etc) with no rainwater leader            | м <sup>2</sup> / m <sup>2</sup> | 1213             |                         |                              |
| 204   | ЭСН8-30-2            | Установка и разборка наружных инвентарных лесов высотой до 16 м трубчатых для прочих отделочных работ | Installation and dismantling of external inventory wooden ladder, up to 16 m height for other type of finishing works | м <sup>2</sup> / m <sup>2</sup> | 1213             |                         |                              |
|   |                      | <b>Итого по разделу 11</b>  | <b>Section 11 total cost:</b>   |                                 |                  |                         |                              |
| <b>Раздел 12. Крыльцо, пандус, отмостка</b> |                      |   | <b>Section 12. Perron, ramp and paving</b>  |                                 |                  |                         |                              |
|   |                      | <u>Крыльцо Кр-1</u>   | Porch Pr-1  |                                 |                  |                         |                              |
| 205   | ЭСН11-1-2            | Уплотнение грунта щебнем  | Compaction of the soil with crushed stone   | м <sup>2</sup> / m <sup>2</sup> | 38.4             |                         |                              |
| 206   | ЭСН6-1-20            | Устройство фундамента под крыльца из бетона класса В-12.5 (БМ-150)                                    | Installation of porch's foundation pit, made of concrete class B-12,5 (BM-150)  | м <sup>3</sup> / m <sup>3</sup> | 2.68             |                         |                              |
| 207   | ЭСН1-196-2           | Подсыпка под крыльца  | Bedding course for porch  | м <sup>3</sup> / m <sup>3</sup> | 13.2             |                         |                              |
| 208   | ЭСН6-1-20            | Устройство ступеней крыльца   | Installation of porch's steps   | м <sup>3</sup> / m <sup>3</sup> | 2.58             |                         |                              |
| 209   | ЭСН6-15-10           | Армирование подстилающих слоев и набетонок из проволоки Вр-1 и арматуры А-3                           | Reinforcement of underlayers and wire-concrete Vr-1 and Armature A-3  | тн / t                          | 0.118            |                         |                              |
| 210   | ЭСН11-11-1           | Устройство стяжек цементных толщиной 20 мм крылец   | Installation of cement bridle, of 200 mm thickness  | м <sup>2</sup> / m <sup>2</sup> | 2.16             |                         |                              |
| 211   | ЭСН15-9-1            | Облицовка поверхностей полированными плитами "Серанит"  | Revetment of surfaces, with polished tiles - Seranit  | м <sup>2</sup> / m <sup>2</sup> | 34.63            |                         |                              |
|   |                      | <u>Крыльцо Кр-2 (2 шт.)</u>   | Porch Pr-2 (2 pieces)   |                                 |                  |                         |                              |
| 212   | ЭСН11-1-2            | Уплотнение грунта щебнем  | Compaction of the soil with crushed stone   | м <sup>2</sup> / m <sup>2</sup> | 41.6             |                         |                              |
| 213   | ЭСН6-1-20            | Устройство фундамента под крыльца из бетона класса В-12.5 (БМ-150)                                    | Installation of porch's foundation pit, made of concrete class B-12,5 (BM-150)  | м <sup>3</sup> / m <sup>3</sup> | 2.03             |                         |                              |
| 214   | ЭСН1-196-2           | Подсыпка под крыльца  | Bedding course for porch  | м <sup>3</sup> / m <sup>3</sup> | 6.24             |                         |                              |
| 215   | ЭСН6-1-20            | Устройство ступеней крыльца   | Installation of porch's steps   | м <sup>3</sup> / m <sup>3</sup> | 1.72             |                         |                              |
| 216   | ЭСН6-15-10           | Армирование подстилающих слоев и набетонок из проволоки Вр-1  | Reinforcement of underlayers and wire-concrete Vr-1   | тн / t                          | 0.074            |                         |                              |
| 217   | ЭСН15-9-1            | Облицовка поверхностей полированными плитами "Серанит"  | Revetment of surfaces, with polished tiles - Seranit  | м <sup>2</sup> / m <sup>2</sup> | 32.9             |                         |                              |
|   |                      | <u>Пандус (2 шт.)</u>   | <u>Ramp (2 pieces)</u>  |                                 |                  |                         |                              |
| 218   | ЭСН6-24-1            | Устройство подпорных стен пандуса бетонных из бетона В-12.5 (БМ-150)                                  | Installation of bearing concrete walls of the ramp, made of concrete class B-12,5 (BM-150)                            | м <sup>3</sup> / m <sup>3</sup> | 1.48             |                         |                              |
| 219   | ЭСН1-196-2           | Подсыпка под пандус вручную с уплотнением   | Bedding course for ramp, performed manually with compaction   | м <sup>3</sup> / m <sup>3</sup> | 8.9              |                         |                              |



| № пп   | Шифр / Justification | Наименование работ и затрат  | Description  | Един.из м. / Unit | Кол-во /Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|--|--|-------------------|------------------|-------------------------|------------------------------|
| 220  | ЭСН6-1-16            | Устройство бетонной площадки пандуса   | Installation of concrete landing of ramp   | м³ / m³           | 1.48             |                         |                              |
| 221  | ЭСН6-15-10           | Армирование подстилающих слоев и набетонок из проволоки Вр-1   | Reinforcement of underlayers and wire-concrete Vr-1  | тн / t            | 0.046            |                         |                              |
| 222  | ЭСН11-11-1           | Устройство стяжек цементных толщиной 20 мм крылец  | Installation of cement bridle, of 20 mm thickness (for porch)  | м² / m²           | 7.2              |                         |                              |
| 223  | ЭСН9-32-1            | Монтаж металлических ограждений крылец   | Assembly of metallic fencing of porch  | тн / t            | 0.05             |                         |                              |
| 224  | ЭСН15-128-3          | Масляная окраска металлических поверхностей решеток количество окрасок 2                                     | Oil painting of metallic fencing grids (double layer painting)   | м² / m²           | 10.5             |                         |                              |
|  |                      | <u>Отмостка</u>  | <u>Paving</u>  |                   |                  |                         |                              |
| 225  | ЭСН11-2-4            | Устройство подстилающих слоев щебеночных толщиной 10 см  | Installation of underlayer filled up with crushed stone, 10 cm thickness   | м³ / m³           | 26.1             |                         |                              |
| 226  | ЭСН11-19-1           | Устройство покрытий асфальтобетонных литых толщиной 25 мм  | Installation of cast-asphalt-concrete coverings, with 25 mm thickness  | м² / m²           | 261              |                         |                              |
| 227  | ЭСН11-19-2           | Устройство покрытий асфальтобетонных литых на 5 мм изменения толщины добавлять или исключать к норме 11-19-1 | For 5 mm change in thickness of installation of cast-asphalt-concrete coverings, norms of 11-19-1 should be considered | м² / m²           | 261              |                         |                              |
|  |                      | <b>Итого по разделу 12</b>   | <b>Section 12 total cost:</b>  |                   |                  |                         |                              |
| <b>Всего по разделам 1-12</b>                                  |                      |  | <b>Total for section 1-12</b>  |                   |                  |                         |                              |
| Административные затраты и прибыль подрядчика от прямых затрат |                      |  | Administration inputs and profit of contractor from direct work inputs:  | %                 |                  |                         |                              |
| <b>ВСЕГО по локальному смету 1-1:</b>                          |                      |  | <b>Total on lokal BOQ 1-1:</b>   |                   |                  |                         |                              |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

\_\_\_\_\_  
Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_

Signature of Bidder

Stamp

**Cost estim 1-2. Internal water and sewage networks**  
**Локальная смета 1-2. Водопровод и канализация**

| № пп                              | Шифр / Justification | Наименование работ и затрат  | Description  | Един.и зм. / Unit | Кол-во /Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|-----------------------------------|----------------------|--|--|-------------------|------------------|-------------------------|------------------------------|
| <b>Раздел 1. Монтажные работы</b> |                      |  | <b>Section 1. Installation works</b>   |                   |                  |                         |                              |
| 1                                 | E16-7-2              | Прокладка трубопроводов водоснабжения из стальных водогазопроводных оцинкованных труб диаметром 20мм                         | Laying of water supply galvanized steel pipelines, of 20 mm diameter   | м / m             | 30               |                         |                              |
| 2                                 | E16-7-4              | Прокладка трубопроводов водоснабжения из стальных водогазопроводных оцинкованных труб диаметром 32мм                         | Laying of water supply galvanized steel pipelines, of 32 mm diameter   | м / m             | 20               |                         |                              |
| 3                                 | E16-7-7              | Прокладка трубопроводов водоснабжения из стальных водогазопроводных оцинкованных труб диаметром 65мм                         | Laying of water supply galvanized steel pipelines, of 65 mm diameter   | м / m             | 62               |                         |                              |
| 4                                 | E16-14-1             | Прокладка трубопроводов водоснабжения из напорных полиэтиленовых труб низкого давления среднего типа наружным диаметром 20мм | Laying of water supply pipelines from pressures polyethylene pipes of low-pressure, mean type, with external diameter of 20 mm | м / m             | 382              |                         |                              |
| 5                                 | E16-15-2             | Установка вентилей запорно-муфтовых диам. 20мм   | Installation of shut-off socket screw valves of 20 mm diameter   | шт/nos            | 2                |                         |                              |
| 6                                 | E16-15-1             | Установка вентилей запорно-муфтовых диам. 25мм   | Installation of shut-off socket screw valves of 25 mm diameter   | шт/nos            | 5                |                         |                              |
| 7                                 | E16-15-1             | Установка вентилей запорно-муфтовых диам. 15мм   | Installation of shut-off socket screw valves of 15 mm diameter   | шт/nos            | 52               |                         |                              |
| 8                                 | E16-15-1             | Установка клапанов обратных муфтовых подъемных латунных диам. 15мм   | Installation of reverse-rise socket screw valves, made of brass - 15mm   | шт/nos            | 17               |                         |                              |
| 9                                 | 300-9504-050         | Тройник равнопроходный стальной приварной диам. 57x5мм   | Steel, welded T-joint of 57x5mm diameter   | шт/nos            | 4                |                         |                              |
| 10                                | 103-9230-006         | Отвод стальной приварной диам. 57x5мм  | Steel, welded T-drop 57x5mm diameter   | шт/nos            | 4                |                         |                              |
| 11                                | E16-20-1             | Установка кранов пожарных диаметром 50 мм в комплекте с ручным пожарным стволом и рукавом длиной 20 м.                       | Installation of fire hose with a diameter 50 mm, in a set of manual nozzle and hose of 20m length                              | шт/nos            | 8                |                         |                              |
| 12                                | E16-13-1             | Прокладка трубопроводов канализации из полиэтиленовых труб высокой плотности диаметром 50мм                                  | Laying of sewerage high density polyethylene pipelines, of 50 mm diameter  | м / m             | 85               |                         |                              |
| 13                                | E16-13-2             | Прокладка трубопроводов канализации из полиэтиленовых труб высокой плотности диаметром 100мм                                 | Laying of sewerage high density polyethylene pipelines, of 100 mm diameter   | м / m             | 93               |                         |                              |
| 14                                |                      | Тройник 45гр. 110Kx110Kx110C -ПНД  | T-joint 45gr. 110Kx110Kx110C -PND  | шт/nos            | 36               |                         |                              |
| 15                                |                      | Тройник 45гр. 50Kx50Kx50C -ПНД   | T-joint 45gr. 50Kx50Kx50C -PND   | шт/nos            | 30               |                         |                              |
| 16                                |                      | Тройник Т90гр. 110Kx50Kx110C -ПНД  | T-joints 90gr. 110Kx50Kx110C -PND  | шт/nos            | 22               |                         |                              |

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|------|----------------------|---|---|-------------------|------------------|-------------------------|------------------------------|
| 17   | 300-9911-129         | Патрубок переходной ПП 110Сх50К - ПНД   | Reducer PP 110Cx50K -PND  | шт/nos            | 9                |                         |                              |
| 18   |                      | Отвод 135гр. 110Кк -ПНД   | Branch pipe 135gr. 110Kk -PND   | шт/nos            | 48               |                         |                              |
| 19   |                      | Отвод 135гр. 50Кк -ПНД  | Branch pipe 135gr. 50Kk -PND  | шт/nos            | 28               |                         |                              |
| 20   |                      | Отвод 90гр. 50Кк -ПНД   | Branch pipe 90gr. 50Kk -PND   | шт/nos            | 28               |                         |                              |
| 21   |                      | Ревизия Р 100К- ПНД   | Overhaul P 100K- PND  | шт/nos            | 4                |                         |                              |
| 22   |                      | Ревизия Р 50К- ПНД  | Overhaul P 50K- PND   | шт/nos            | 8                |                         |                              |
| 23   | E16-22-2             | Установка водомерных узлов, поставляемых на место монтажа собранными в блоки, с обводной линией диаметром ввода до 100мм, диаметром водомера, до 80мм | Installation of water-measuring unit, delivered at installation (assembly) site in blocks with bypass line of input up to 100 mm and water-measuring unit with a diameter of 80mm | шт/nos            | 1                |                         |                              |
| 24   | E18-21-1             | Установка фильтров на готовое основание диаметром 25 мм   | Installation of filters on a ready foundation, with a 25 mm diameter  | шт/nos            | 1                |                         |                              |
| 25   | E16-20-6             | Установка крана трехходового 14М1 диаметром 15 мм   | Installation of three-way valve, 14M1, with a diameter of 15 mm   | шт/nos            | 1                |                         |                              |
| 26   | E18-22-2             | Установка манометров с трехходовым краном, МТН 160-16   | Installation of the gauge (monometr) with a three-way valve MTN 160-16  | компл/ set        | 1                |                         |                              |
| 27   | E16-15-2             | Установка вентилей на трубопроводах из стальных труб диаметром, 50мм  | Installation of valves on steel pipelines, of 50 mm diameter  | шт/nos            | 3                |                         |                              |
| 28   | 534-9002-006         | Переход стальной приварной диам. 50х20мм  | Steel welded reducer of 50x20 mm diameter   | шт/nos            | 1                |                         |                              |
| 29   | E16-20-2             | Установка кранов поливочных, диаметром 25мм с поливочным рукавом длиной 20 м  | Installation of outer watering tap, of 25 mm diameter, with watering hose of 20 m length  | шт/nos            | 1                |                         |                              |
| 30   | E17-3-1              | Установка унитазов с ножным педальным сливом  | Installation of closet basins, with foot-controlled discharging   | компл/ set        | 25               |                         |                              |
| 31   | E17-1-6              | Установка умывальников типа "Тюльпан" с педальным пуском воды, с подводкой холодной и горячей воды  | Installation of hand-washing basin "Tulip" with valve -control start-up of water, with a supply of cold and hot water   | компл/ set        | 44               |                         |                              |
| 32   | E17-1-6              | Установка умывальников в форме треугольника с педальным пуском воды, с подводкой холодной и горячей воды  | Installation of hand-washing basin,with valve-control start-up of cold and hot water - Triangle shape   | компл/ set        | 25               |                         |                              |
| 33   | E17-1-9              | Установка поддонов душевых чугунных эмалированных глубоких  | Installation of cast iron deep shower pan for shower cabins only (enamel painted)   | компл/ set        | 8                |                         |                              |
| 34   | E17-5-1              | Установка моек стальных эмалированных на одно отделение   | Installation of dishwashing sinks (enamel painted) per each ward  | компл/ set        | 2                |                         |                              |
| 35   | E17-1-11             | Установка трапов диаметром, мм 50   | Installation of trap, of 50 mm diameter   | компл/ set        | 10               |                         |                              |
| 36   | E17-8-1              | Установка нагревателей индивидуальных водоводяных "ARISTON", 60 л. или эквивалент   | Installation of individual water heaters, "ARISTON" for 60 litres or equivalent   | компл/ set        | 8                |                         |                              |

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|--|----------------------|--|---|-------------------|------------------|-------------------------|------------------------------|
| 37   | E17-8-1              | Установка нагревателей индивидуальных водоводяных "ARISTON", 40 л. . или эквивалент              | Installation of individual water heaters, "ARISTON" for 40 litres or equivalent                             | компл/ set        | 4                |                         |                              |
| 38   | E17-8-1              | Установка нагревателей индивидуальных водоводяных "ARISTON", 30 л. . или эквивалент              | Installation of individual water heaters, "ARISTON" for 30 litres or equivalent                             | компл/ set        | 6                |                         |                              |
| 39   | E17-2-3              | Установка смесителей со стационарной душевой сеткой  | Installation of basin mixers with indoor (stationary) shower grid   | шт/nos            | 8                |                         |                              |
| 40   | E17-2-3              | Установка смесителей настольных для умывальников   | Installation of mixers tap for hand washing fittings  | шт/nos            | 69               |                         |                              |
| 41   | 27.1                 | Сифон для умывальника диам.50мм  | Siphon for hand-washing basin of 50mm diameter  | шт/nos            | 2                |                         |                              |
| 42   | 27.2                 | Сифон для поддона  | Siphon for shower pan   | шт/nos            | 8                |                         |                              |
| 43   | 300-9124-057         | Электрозадвижка  | Motorized pipe valve  | шт/nos            | 1                |                         |                              |
| 44   | E23-13-3             | Устройство канализационных круглых сборных железобетонных колодцев диаметром 1 м в сухих грунтах | Installation of pre-assembled reinforced concrete sewerage well, round-type, of 1 m diameter, into dry soil | м³ / m³           | 5.6              |                         |                              |
| <b>Итого по разделу 1</b>                                      |                      |  | <b>Section 1 total cost:</b>  |                   |                  |                         |                              |
| Административные затраты и прибыль подрядчика от прямых затрат |                      |  | Administration inputs and profit of contractor from direct work inputs:                                     |                   | %                |                         |                              |
| <b>ВСЕГО по локальному смету 1-2:</b>                          |                      |  | <b>Total on lokal BOQ 1-2:</b>  |                   |                  |                         |                              |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

\_\_\_\_\_  
Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_

Signature of Bidder

Stamp

**Cost estim 1-3 Heating and ventilation**  
**Локальная смета 1-3 Отопление и вентиляция**

| № пп                              | Шифр / Justification | Наименование работ и затрат   | Description   | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|-----------------------------------|----------------------|---|---|-------------------|-------------------|-------------------------|------------------------------|
| <b>Раздел 1. Монтажные работы</b> |                      |   | <b>Section 1. Installation works</b>  |                   |                   |                         |                              |
| 1                                 | ЭСН18-5-4            | Установка электродкотлов  | Installation (Installation) of electric boilers                             | шт/nos            | 2                 |                         |                              |
|                                   |                      | <b>Итого по разделу 1</b>   | <b>Section 1 total cost:</b>  |                   |                   |                         |                              |
| <b>Раздел 2. Отопление</b>        |                      |   | <b>Section 2. Heating</b>   |                   |                   |                         |                              |
| 2                                 | ЭСН18-13-1           | Установка насосов сетевой воды Q=34м3/час H=25м   | Installation of water pumps Q=34m3/hour H=25m                               | шт/nos            | 2                 |                         |                              |
| 3                                 | ЭСН16-17-2           | Установка предохранительных клапанов на трубопроводах из стальных труб диаметром до 50 мм           | Installation of safety valves on steel pipelines with a diameter of 50 mm   | шт/nos            | 2                 |                         |                              |
| 4                                 | ЭСН18-16-4           | Установка грязевиков наружным диаметром патрубков до 108 мм   | Installation of externals mud collectors, with a diameter of 108 mm         | шт/nos            | 1                 |                         |                              |
| 5                                 | ЭСН18-21-1           | Установка противонакипного магнитного устройства ПМУ-1  | Installation of magnetic scale control PMU-1                                | шт/nos            | 1                 |                         |                              |
| 6                                 | ЭСН16-17-2           | Установка задвижки на трубопроводах из стальных труб диаметром до 50 мм                             | Installation of sluice valve on a steel pipelines with a diameter of 50 mm  | шт/nos            | 10                |                         |                              |
| 7                                 | ЭСН16-17-1           | Установка вентилей диаметром до 25 мм   | Installation of screw valves on steel pipelines, up to diameter of 25mm     | шт/nos            | 8                 |                         |                              |
| 8                                 | ЭСН16-17-3           | Установка клапана обратного фланцевой диам. 50мм  | Installation of reverse-flange valve with a diameter of 50 mm               | шт/nos            | 2                 |                         |                              |
| 9                                 | ЭСН18-10-4           | Установка баков расширительных круглых и прямоугольных вместимостью 0,3 м3                          | Installation of extended round and rectangular tanks with a capacity 0,3 m³ | шт/nos            | 1                 |                         |                              |
| 10                                | ЭСН18-22-2           | Установка манометров с трехходовым краном   | Installation of manometers with three-way valve                             | шт/nos            | 6                 |                         |                              |
| 11                                | ЭСН18-22-4           | Установка термометров в оправе прямых и угловых   | Installation of thermometers inside plain and angular holders               | шт/nos            | 2                 |                         |                              |
| 12                                | ЭСН18-6-1            | Установка радиаторов чугунных секционных М-90   | Installation of cast iron radiators, with M-90 section                      | кВ / kW           | 486               |                         |                              |
| 13                                | ЭСН16-17-1           | Установка кранов КДРП-25 двойной регулировки диаметром до 25 мм                                     | Installation of tap, with a double regulation, of 25 mm diameter            | шт/nos            | 90                |                         |                              |
| 14                                | ЭСН16-6-1            | Прокладка трубопроводов отопления из стальных водогазопроводных неоцинкованных труб диаметром 15 мм | Laying of ungalvanized pipelines for heating, of 15 mm diameter             | м / m             | 213               |                         |                              |
| 15                                | СРЦ                  | Вентиль муфтовый диам. 15мм 15кч 18п  | Installation of cut-off valves on pipelines of 15 mm diameter               | шт/nos            | 10                |                         |                              |

| № пп                        | Шифр / Justification | Наименование работ и затрат  | Description  | Един. изм. / Unit               | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|-----------------------------|----------------------|--|--|---------------------------------|-------------------|-------------------------|------------------------------|
| 16                          | ЭСН16-6-2            | Прокладка трубопроводов отопления из стальных водогазопроводных неоцинкованных труб диаметром 20 мм              | Laying of ungalvanized pipelines for heating, of 20 mm diameter  | м / m                           | 120               |                         |                              |
| 17                          | СРЦ                  | Вентиль муфтовый диам.20мм 15кч 18п  | Installation of cut-off valves on pipelines, steel pipes, dia= 20 mm                                       | шт/nos                          | 18                |                         |                              |
| 18                          | ЭСН16-6-3            | Прокладка трубопроводов отопления из стальных водогазопроводных неоцинкованных труб диаметром 25 мм              | Laying of ungalvanized pipelines for heating, of 25 mm diameter  | м / m                           | 35                |                         |                              |
| 19                          | СРЦ                  | Вентиль муфтовый диам.25мм 15кч 18п  | Installation of cut-off valves on pipelines, steel pipes, dia= 25 mm                                       | шт/nos                          | 4                 |                         |                              |
| 20                          | ЭСН16-6-4            | Прокладка трубопроводов отопления из стальных водогазопроводных неоцинкованных труб диаметром 32 мм              | Laying of ungalvanized pipelines for heating, of 32 mm diameter  | м / m                           | 40                |                         |                              |
| 21                          | ЭСН16-6-5            | Прокладка трубопроводов отопления из стальных водогазопроводных неоцинкованных труб диаметром 40 мм              | Laying of ungalvanized pipelines for heating, of 40 mm diameter  | м / m                           | 48                |                         |                              |
| 22                          | ЭСН16-10-2           | Прокладка трубопроводов отопления и водоснабжения из стальных электросварных труб диаметром 50 мм                | Laying of ungalvanized pipelines for heating and water supply, of 50 mm diameter                           | м / m                           | 20                |                         |                              |
| 23                          | СРЦ                  | Гильза для пересечения стен диам. 32мм   | Sleeves within intersection of walls of 32 mm diameter   | шт/nos                          | 56                |                         |                              |
| 24                          | ЭСН16-31-1           | Гидравлическое испытание трубопроводов систем отопления, водопровода и горячего водоснабжения диаметром до 50 мм | Hydraulic testing of pipelines of the heating system, water and hot water supply system, of 50 mm diameter | м / m                           | 476               |                         |                              |
| 25                          | ЭСН15-128-4          | Масляная окраска металлических труб и радиаторов, количество окрасок 2   | Oil painting of metal pipes and radiators, double layer paintings  | м <sup>2</sup> / m <sup>2</sup> | 126.8             |                         |                              |
| 26                          | ЭСН13-13-26          | Окраска металлических огрунтованных поверхностей эмалью ПФ-115   | Painting of priming metallic surfaces with enamel of PF -115   | м <sup>2</sup> / m <sup>2</sup> | 70                |                         |                              |
| 27                          | ЭСН26-10-2           | Изоляция трубопроводов матами из стеклянных комплексных нитей  | Insulation (isolation) with mats made of complex glass fibers  | м <sup>3</sup> / m <sup>3</sup> | 9                 |                         |                              |
| 28                          | ЭСН26-41-2           | Оклеивание поверхности изоляции стеклянно-штапельным волокном  | Sealing of insulated (isolated) surface with glass-staple fiber  | м <sup>2</sup> / m <sup>2</sup> | 196               |                         |                              |
|                             |                      | <b>Итого по разделу 2</b>  | <b>Section 2 total cost:</b>   |                                 |                   |                         |                              |
| <b>Раздел 3. Вентиляция</b> |                      |  | <b>Section 3. Ventilation</b>  |                                 |                   |                         |                              |
| 29                          | ЭСН20-8-3            | Установка решеток жалюзийных стальных штампованных нерегулируемых (РШ) номер 150 размер 200x200 мм               | Installation of steel pressed non-regulating grids of #150, dimensions 200x200 mm                          | шт/nos                          | 71                |                         |                              |
| 30                          | ЭСН20-14-9           | Установка зонтов над шахтами из листовой стали круглого сечения диаметром 800 мм                                 | Installation of hoods, made of plate steel ,over shafts, circular section of 800 mm diameter               | шт/nos                          | 19                |                         |                              |

| №<br>п/п | Шифр /<br>Justification | Наименование работ и затрат  | Description   | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|----------|-------------------------|--|---|-------------------------|---------------------|--------------------------------|------------------------------------|
| 31       | ЭСН20-1-2               | Прокладка воздуховодов из листовой, оцинкованной стали и алюминия класса Н (нормальные) толщиной 0,6 мм, периметром до 600 мм          | Laying of air feed duct, made of galvanized steel and alluminium plate , thickness of 0.6mm and diameter of 600 mm        | м² / m²                 | 2.7                 |                                |                                    |
| 32       | ЭСН20-1-10              | Прокладка воздуховодов из листовой, оцинкованной стали и алюминия класса Н (нормальные) толщиной 0,6 мм, периметром от 1100 до 1600 мм | Laying of air feed duct made of galvanized steel and alluminium plate thickness of 0.6mm, and diameter of 1100 to 1600 mm | м² / m²                 | 82.8                |                                |                                    |
| 33       | ЭСН20-28-1              | Установка приточных агрегатов ТА-450 EL массой до 0,1 т  | Installation of air supply units (aggregates) TA-450 EL, mass up to 0,1 t   | шт/nos                  | 1                   |                                |                                    |
| 34       | ЭСН20-10-6              | Установка воздухозаборной решетки  | Installation of air-intake grids (grills)   | шт/nos                  | 1                   |                                |                                    |
| 35       | ЭСН20-50-2              | Установка водяного воздухоохладителя   | Installation of water-based air-cooling   | шт/nos                  | 1                   |                                |                                    |
| 36       | ЭСН20-19-5              | Установка шумоглушителей вентиляционных трубчатых круглого сечения типа ГТК 1-5, диаметром обечайки 400 мм                             | Installation of ventilation noisekillers, pipe-type, with round section type GTK 1-5, diameter of ring - 400 mm           | шт/nos                  | 1                   |                                |                                    |
| 37       | ЭСН20-38-2              | Установка фильтров воздушных сетчатых (масляных) производительностью до 20 тыс.м³/час  | Installation of air grid filters (oil), with a capacity 20.000 m³/hour  | шт/nos                  | 3                   |                                |                                    |
| 38       | ЭСН20-1-2               | Прокладка воздуховодов из листовой, оцинкованной стали и алюминия класса Н (нормальные) толщиной 0,6 мм, периметром до 600 мм          | Laying of air feed duct, made of galvanized steel and alluminium plate , thickness of 0.6mm and diameter of 600 mm        | м² / m²                 | 11.5                |                                |                                    |
| 39       | ЭСН20-1-10              | Прокладка воздуховодов из листовой, оцинкованной стали и алюминия класса Н (нормальные) толщиной 0,6 мм, периметром от 1100 до 1600 мм | Laying of air feed duct made of galvanized steel and alluminium plate thickness of 0.6mm, and diameter of 1100 to 1600 mm | м² / m²                 | 8.2                 |                                |                                    |
| 40       | ЭСН20-28-1              | Установка приточных агрегатов ТА-2000 EL массой до 0,1 т   | Installation of air supply units (aggregates) TA-2000 EL, mass up to 0,1 t  | шт/nos                  | 1                   |                                |                                    |
| 41       | ЭСН20-10-6              | Установка воздухозаборной решетки  | Installation of air-intake grids (grills)   | шт/nos                  | 1                   |                                |                                    |
| 42       | ЭСН20-50-2              | Установка водяного воздухоохладителя   | Installation of water-based air-cooling   | шт/nos                  | 1                   |                                |                                    |
| 43       | ЭСН20-19-5              | Установка шумоглушителей вентиляционных трубчатых круглого сечения типа ГТК 1-5, диаметром обечайки 400 мм                             | Installation of ventilation noisekillers, pipe-type, with round section type GTK 1-5, diameter of ring - 400 mm           | шт/nos                  | 1                   |                                |                                    |
| 44       | ЭСН20-38-2              | Установка фильтров воздушных сетчатых (масляных) производительностью до 20 тыс.м³/час  | Installation of air grid filters (oil), with a capacity 20.000 m³/hour  | шт/nos                  | 3                   |                                |                                    |
| 45       | ЭСН20-1-2               | Прокладка воздуховодов из листовой, оцинкованной стали и алюминия класса Н (нормальные) толщиной 0,6 мм, периметром до 600 мм          | Laying of air feed duct, made of galvanized steel and alluminium plate , thickness of 0.6mm and diameter of 600 mm        | м² / m²                 | 3.5                 |                                |                                    |



| № пп                          | Шифр /<br>Justification | Наименование работ и затрат  | Description  | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|-------------------------------|-------------------------|--|--|-------------------------|---------------------|--------------------------------|------------------------------------|
| 46                            | ЭСН20-1-10              | Прокладка воздуховодов из листовой, оцинкованной стали и алюминия класса Н (нормальные) толщиной 0,6 мм, периметром от 1100 до 1600 мм | Laying of air feed duct made of galvanized steel and aluminium plate thickness of 0.6mm, and diameter of 1100 to 1600 mm | м² / m²                 | 1.78                |                                |                                    |
| 47                            | ЭСН20-28-1              | Установка приточных агрегатов ТА-3000 EL массой до 0,1 т   | Installation of air supply units (aggregates) TA-3000 EL, mass up to 0,1 t   | шт/nos                  | 2                   |                                |                                    |
| 48                            | ЭСН20-10-6              | Установка воздухозаборной решетки  | Installation of air-intake grids (grills)  | шт/nos                  | 2                   |                                |                                    |
| 49                            | ЭСН20-50-2              | Установка водяного воздухоохладителя   | Installation of water-based air-cooling  | шт/nos                  | 2                   |                                |                                    |
| 50                            | ЭСН20-19-5              | Установка шумоглушителей вентиляционных трубчатых круглого сечения типа ГТК 1-5, диаметром обечайки 400 мм                             | Installation of ventilation noisekillers, pipe-type, with round section type GTK 1-5, diameter of ring - 400 mm          | шт/nos                  | 2                   |                                |                                    |
| 51                            | ЭСН20-38-2              | Установка фильтров воздушных сетчатых (масляных) производительностью до 20 тыс.м³/час  | Installation of air grid filters (oil), with a capacity 20.000 m³/hour   | шт/nos                  | 6                   |                                |                                    |
| 52                            | ЭСН20-1-10              | Прокладка воздуховодов из листовой, оцинкованной стали и алюминия класса Н (нормальные) толщиной 0,6 мм, периметром от 1100 до 1600 мм | Laying of air feed duct made of galvanized steel and aluminium plate thickness of 0.6mm, and diameter of 1100 to 1600 mm | м² / m²                 | 69.4                |                                |                                    |
| 53                            | ЭСН20-8-3               | Установка решеток жалюзийных стальных штампованных нерегулируемых (РШ) номер 150 размер 200x200 мм                                     | Installation of steel pressed non-regulating grids of #150, dimensions 200x200 mm  | шт/nos                  | 26                  |                                |                                    |
| 54                            | ЭСН20-27-1              | Установка вентиляторов осевых DVV массой до 0,065 т  | Installation of DW axial fans, with a mass of 0,065t   | шт/nos                  | 1                   |                                |                                    |
| 55                            | ЭСН20-1-10              | Прокладка воздуховодов из листовой, оцинкованной стали и алюминия класса Н (нормальные) толщиной 0,6 мм, периметром от 1100 до 1600 мм | Laying of air feed duct made of galvanized steel and aluminium plate thickness of 0.6mm, and diameter of 1100 to 1600 mm | м² / m²                 | 47                  |                                |                                    |
| 56                            | ЭСН20-14-9              | Установка зонтов над шахтами из листовой стали размером 1000x1000  | Installation of hoods, made of plate steel, over shafts, with a dimension of 1000x1000                                   | шт/nos                  | 6                   |                                |                                    |
|                               |                         | <b>Итого по разделу 3</b>  | <b>Section 3 total cost:</b>   |                         |                     |                                |                                    |
| <b>Раздел 4. Оборудование</b> |                         |  | <b>Section 4. Equipment</b>  |                         |                     |                                |                                    |
| 57                            | 12.300-9064             | Электрокотель ЭПЗ-100И2 (259600 руб)   | Boiler EPZ-100I2 (259600 Russian Roubles)  | компл /set              | 2                   |                                |                                    |
| 58                            | 8.300-9260              | Насосы с электродвигателем ТРЕ 32-190/2-S  | Pumps with electric engines (TRE 32-190/2-S)   | компл /set              | 2                   |                                |                                    |
| 59                            | 7.300-9004              | Приточный агрегат ТА-450 EL  | Air-supply units (aggregate) TA-450 EL   | компл /set              | 1                   |                                |                                    |
| 60                            | 7.300-9004              | Приточный агрегат ТА-2000 EL   | Air-supply units (aggregate) TA-2000 EL  | компл /set              | 1                   |                                |                                    |
| 61                            | 7.300-9004              | Приточный агрегат ТА-3000 EL   | Air-supply units (aggregate)TA-3000 EL   | компл /set              | 2                   |                                |                                    |
| 62                            | 2.063344                | Вентилятор DVV 450D6   | Fans DVV 450D6   | компл /set              | 1                   |                                |                                    |
|                               |                         | <b>Итого по разделу 4</b>  | <b>Section 4 total cost:</b>   |                         |                     |                                |                                    |

| №<br>п/п   | Шифр /<br>Justification | Наименование работ и затрат | Description   | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|--|-------------------------|-----------------------------|---|-------------------------|---------------------|--------------------------------|------------------------------------|
| <b>Всего по разделам 1-4</b>                                   |                         |                             | <b>Total for section 1-4</b>  |                         |                     |                                |                                    |
| Административные затраты и прибыль подрядчика от прямых затрат |                         |                             | Administration inputs and profit of contractor from direct work inputs: |                         | %                   |                                |                                    |
| <b>ВСЕГО по локальному смету 1-3:</b>                          |                         |                             | <b>Total on local BOQ 1-3:</b>  |                         |                     |                                |                                    |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

\_\_\_\_\_  
Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_

\_\_\_\_\_  
Signature of Bidder

Stamp

**Cost estim 1-4 Internal electric lightening**  
**Локальная смета 1-4 Электроосвещение**

| №<br>п/п                          | Шифр /<br>Justification | Наименование работ и затрат   | Description  | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|-----------------------------------|-------------------------|---|--|-------------------------|---------------------|--------------------------------|------------------------------------|
| <b>Раздел 1. Монтажные работы</b> |                         |   | <b>Section 1. Installation works</b>   |                         |                     |                                |                                    |
| 1                                 | M8-599-1                | Щитки осветительные, устанавливаемые в нише распорными дюбелями, масса щитка, кг, до 6 ЩУ 851-401531 УХЛ3 | Lighting plate to be installed in recess with brace expansion bolt, plate mass is up to 6 kilo, 6 ЩУ 851-401531 УХЛ3 | шт/nos                  | 3                   |                                |                                    |
| 2                                 | M8-599-1                | Щитки осветительные, устанавливаемые в нише распорными дюбелями, масса щитка, кг, до 6 ЩУ851- 381431 УХЛ3 | Lighting plate to be installed in recess with brace expansion bolt, plate mass is up to 6 kilo, 6 ЩУ 851-401531 УХЛ3 | шт/nos                  | 3                   |                                |                                    |
| 3                                 | M8-593-1                | Светильник для энергосберегающих ламп с одной лампой  | Luminaire energy-efficient lamps   | шт/nos                  | 30                  |                                |                                    |
| 4                                 | M8-594-2                | Светильники с 2-мя люминесцентными лампами защищенный   | Lamps with two fluorescent bulbs protected   | шт/nos                  | 14                  |                                |                                    |
| 5                                 | M8-594-2                | Светильники с 2-мя люминесцентными лампами потолочный   | Ceiling lamps with two fluorescent bulbs   | шт/nos                  | 18                  |                                |                                    |
| 6                                 | M8-593-9                | Светильник аварийного освещения   | Lamp for emergency lighting  | шт/nos                  | 41                  |                                |                                    |
| 7                                 | M8-593-2                | Светильник для энергосберегающих ламп защищенный  | Luminaire energy-efficient lamps , protected   | шт/nos                  | 5                   |                                |                                    |
| 8                                 | M8-594-1                | Светильники с одной люминесцентной лампой   | Lamp with one fluorescent bulb   | шт/nos                  | 116                 |                                |                                    |
| 9                                 | M8-593-2                | Светильник для энергосберегающих ламп защищенный  | Luminaire energy-efficient lamps , protected   | шт/nos                  | 10                  |                                |                                    |

| № пп   | Шифр / Justification | Наименование работ и затрат  | Description  | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|--|--|-------------------|-------------------|-------------------------|------------------------------|
| 10   | M8-525-1             | Выключатель автоматический АП50-2МТ                                      | Automatic circuit breaker АП50-2mt                                       | шт/nos            | 15                |                         |                              |
| 11   | M8-594-2             | Светильники с 2-мя люминесцентными лампами потолочный                    | Ceiling lamps with two fluorescent bulbs                                 | шт/nos            | 12                |                         |                              |
| 12   | M8-591-2             | Выключатель одноклавишный утопленного типа при скрытой проводке          | Circuit breaker, single-button, flush-mounted under-plaster installation | шт/nos            | 191               |                         |                              |
| 13   | M8-591-5             | Выключатель двухклавишный утопленного типа при скрытой проводке          | Circuit breaker, double-button, flush-mounted under-plaster installation | шт/nos            | 15                |                         |                              |
| 14   | M8-591-9             | Розетка штепсельная утопленного типа при скрытой проводке                | Plug receptacle, flush-mounted under-plaster installation                | шт/nos            | 171               |                         |                              |
| 15   | Ц10-37-12            | Коробка ответвительная   | Splitter box   | шт/nos            | 210               |                         |                              |
| 16   | Ц10-06-037-13        | Крышка декоративная и другие мелкие изделия (без присоединения проводов) | Ornamental top and other minor details (without joining wires)           | шт/nos            | 371               |                         |                              |
| 17   | M8-403-3             | Провод в защитной оболочке под штукатурку по стенам АПВ-660              | Protected cables under plastered walls АПВ-660                           | м / m             | 14100             |                         |                              |
|  |                      | <b>Итого монтаж:</b>   | <b>Erection work total cost:</b>   |                   |                   |                         |                              |
| <b>Раздел 2. Материалы не учтенные цеником</b> |                      |  | <b>Section 1. Unpriced materials</b>                                     |                   |                   |                         |                              |
| 18   |                      | Щиток осветительный ЩУ851--401531 УХЛ3                                   | Lighting plate ЩУ851--401531 УХЛ3  | шт/nos            | 3                 |                         |                              |
| 19   |                      | Щиток осветительный ЩУ851--381431 УХЛ3                                   | Lighting plate ЩУ851--381431 УХЛ3  | шт/nos            | 3                 |                         |                              |
| 20   |                      | Светильник НПО 18-60   | Lamp NPO 18-60   | шт/nos            | 30                |                         |                              |
| 21   |                      | Светильник ЛСП 2x40  | Lamp LPO 2x40  | шт/nos            | 14                |                         |                              |
| 22   |                      | Светильник ЛПО 2x40  | Lamp LPO 2x40  | шт/nos            | 18                |                         |                              |
| 23   |                      | Светильник аварийного освещения  | Emergency lighting lamp  | шт/nos            | 41                |                         |                              |
| 24   |                      | Светильник под лампу накаливания защищенный                              | Lamp with bulbs, protected   | шт/nos            | 5                 |                         |                              |
| 25   |                      | Светильник ЛПО 1x40  | Lamp LPO 1x40  | шт/nos            | 116               |                         |                              |
| 26   |                      | Светильник НСП 02-100-003  | Lamp NSP 02-100-003  | шт/nos            | 10                |                         |                              |
| 27   |                      | Выключатель автоматический АП50-2МТ                                      | Automatic circuit breaker АП50-2mt                                       | шт/nos            | 15                |                         |                              |
| 28   |                      | Светильник с двумя люминесцентными лампами потолочный АРС/С 2x40         | Ceiling lamp with two fluorescent bulbs АРС/С 2x40                       | шт/nos            | 12                |                         |                              |
| 29   |                      | Выключатель одноклавишный  | Circuit breaker, single button   | шт/nos            | 191               |                         |                              |
| 30   |                      | То же, двухклавишный   | Circuit breaker, double button   | шт/nos            | 15                |                         |                              |
| 31   |                      | Розетка штепсельная  | Plug receptacle  | шт/nos            | 171               |                         |                              |
| 32   |                      | Коробка ответвительная   | Splitter box   | шт/nos            | 210               |                         |                              |
| 33   |                      | Коробка монтажная  | Assembly box   | шт/nos            | 371               |                         |                              |
| 34   |                      | Провод ПВ-1 сеч 1,5мм2   | Wire PV-1, sec 1,5mm2  | м / m             | 8880              |                         |                              |
| 35   |                      | Провод ПВ-1 сеч 2,5мм2   | Wire PV-1, sec 2,5mm2  | м / m             | 4770              |                         |                              |
| 36   |                      | Лампа люминесцентная ЛБ-40   | Fluorescent bulb LB-40   | шт/nos            | 261               |                         |                              |

| № пп   | Шифр / Justification | Наименование работ и затрат        | Description   | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|------------------------------------|---|-------------------|-------------------|-------------------------|------------------------------|
| 37   |                      | Стартер                            | Starter   | шт/nos            | 261               |                         |                              |
| 38   |                      | Лампы энергосберегающие            | lamps energy-efficient  | шт/nos            | 38                |                         |                              |
| 39   |                      | Провод с медными жилами сеч 1,5мм2 | Wire with copper strands, section 1,5mm2                                | м / m             | 450               |                         |                              |
|  |                      | <b>Итого материалы:</b>            | <b>Materials total cost:</b>  |                   |                   |                         |                              |
| <b>Всего по разделам 1-2:</b>                                  |                      |                                    | <b>Total for section 1-2</b>  |                   |                   |                         |                              |
| Административные затраты и прибыль подрядчика от прямых затрат |                      |                                    | Administration inputs and profit of contractor from direct work inputs: |                   | %                 |                         |                              |
| <b>ВСЕГО по локальному смету 1-4:</b>                          |                      |                                    | <b>Total on lokal BOQ 1-4:</b>  |                   |                   |                         |                              |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

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Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_

\_\_\_\_\_  
Signature of Bidder

Stamp

**Cost estim 1-5 Power equipment**  
**Локальная смета 1-5 Силовое оборудование**

| № пп                                  | Шифр / Justification | Наименование работ и затрат  | Description   | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|---------------------------------------|----------------------|--|---|-------------------|-------------------|-------------------------|------------------------------|
| <b>Раздел 1. Силовое оборудование</b> |                      |  | <b>Раздел 1. Силовое оборудование</b>   |                   |                   |                         |                              |
| 1                                     | M8-102-1             | Вводное устройство ВРУ 3-11  | Input Equipment VRU 3-11  | шкаф /box         | 1                 |                         |                              |
| 2                                     | M8-102-1             | Распределительное устройство ВРУ3-25   | Distributing Gear VRU3-25   | шкаф /box         | 2                 |                         |                              |
| 3                                     | M8-102-1             | Шкаф распределительный ПР 8503 - 1130 2УХЛ2  | Distribution Box PR 8503 - 1130 2UKL2   | шкаф /box         | 1                 |                         |                              |
| 4                                     | M8-102-1             | Шкаф распределительный ПР 8503 - 3131 УХЛ3   | Distribution Box PR 8503 - 3131 UKL3  | шкаф /box         | 2                 |                         |                              |
| 5                                     | ГЭСНм0 8-03-530-01   | Пускатель магнитный общего назначения отдельностоящий, устанавливаемый на конструкции на полу на ток, А, до 40 | Magnetic Starter of general use to be installed on the floor, current A, up to 40 | шт/nos            | 3                 |                         |                              |
| 6                                     | M8-525-1             | Выключатель автоматический на 25А  | Automatic circuit breaker for 25A   | шт/nos            | 1                 |                         |                              |
| 7                                     | M8-410-1             | Труба полиэтиленовая по основанию пола, диаметр 25мм   | Plastic pipe under the floor, dia= 25mm   | м / m             | 56                |                         |                              |
| 8                                     | M8-410-2             | Труба полиэтиленовая по основанию пола, диаметр 32мм   | Plastic pipe under the floor, dia= 32 mm  | м / m             | 84                |                         |                              |
| 9                                     | M8-410-3             | Труба полиэтиленовая по основанию пола, диаметр, мм, до 63   | Plastic pipe under the floor, dia= 63 mm  | м / m             | 64                |                         |                              |

| № пп   | Шифр / Justification | Наименование работ и затрат  | Description   | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|--|---|-------------------|-------------------|-------------------------|------------------------------|
| 10   | M8-407-1             | Труба стальная по установленным конструкциям, по стенам с креплением скобами, диаметр, мм, до 25   | Steel pipe on fixed structures, looped on walls, dia up to 25 mm  | м / m             | 15                |                         |                              |
| 11   | M8-412-1             | Затягивание проводов в проложенные трубы и металлические рукава. Провод первый одножильный или многожильный в общей оплетке, суммарное сечение, мм2, до 2,5            | Tightening wires to laid pipes and steel sleeves. First solid or multiple wires in general armor, cross-section up to 2,5 mm2     | м / m             | 44                |                         |                              |
| 12   | M8-412-2             | Затягивание проводов в проложенные трубы. Провод первый одножильный или многожильный в общей оплетке, суммарное сечение, мм2, до 6                                     | Tightening wires to laid pipes and steel sleeves. First solid or multiple wires in general armor, cross-section up to 6 mm2       | м / m             | 93                |                         |                              |
| 13   | M8-412-4             | Затягивание проводов в проложенные трубы и металлические рукава. Провод первый одножильный или многожильный в общей оплетке, суммарное сечение, мм2, до 35             | Tightening wires to laid pipes and steel sleeves. First solid or multiple wires in general armor, cross-section up to 25 mm2      | м / m             | 109               |                         |                              |
| 14   | M8-412-9             | Провод каждый последующий одножильный или многожильный в общей оплетке, суммарное сечение, мм2, до 6   | Tightening wires to laid pipes and steel sleeves. Each next solid and multiple wires in general armor, cross section up to 6 mm2  | м / m             | 539               |                         |                              |
| 15   | M8-412-10            | Затягивание проводов в проложенные трубы и металлические рукава. Провод каждый последующий одножильный или многожильный в общей оплетке, суммарное сечение, мм2, до 35 | Tightening wires to laid pipes and steel sleeves. Each next solid and multiple wires in general armor, cross section up to 35 mm2 | м / m             | 456               |                         |                              |
| 16   | M8-401-1             | Кабели с креплением накладными скобами   | Cables with brackets  | м / m             | 200               |                         |                              |
| 17   | M8-148-2             | Кабель с алюминиевыми жилами с поливинилхлоридной изоляцией пониженной горючести ВВГнг сечением 5х4 мм2 в проложенных трубах   | Cables with brackets  | м / m             | 21                |                         |                              |
|  |                      | <b>Итого по разделу 1</b>  | <b>Section 1 total cost:</b>  |                   |                   |                         |                              |
| <b>Раздел 2. Материалы не учтенные цеником</b> |                      |  | <b>Section 1. Unpriced materials</b>  |                   |                   |                         |                              |
| 18   |                      | Вводно-распределительное устройство со счетчиками и 2-я рубильником типа ВРУ-3-11  | Input Equipment and distributing gear VRU3-11   | шт/nos            | 1                 |                         |                              |
| 19   |                      | Вводно-распределительное устройство на 10 групп 100А ВРУ 3-25  | Input Equipment and distributing gear 100A VRU 3-25   | шт/nos            | 2                 |                         |                              |
| 20   |                      | Пункт распределительный ПР8503 - 3131-УХЛ3   | Distribution point PR 8503 -3131-УХЛ3   | шт/nos            | 2                 |                         |                              |
| 21   |                      | Пункт распределительный ПР8503 - 1130-2УХЛ2  | Distribution point PR 8503 -1130-2УХЛ2  | шт/nos            | 1                 |                         |                              |
| 22   |                      | Выключатель автоматический   | Automatic circuit breaker for 25A   | шт/nos            | 1                 |                         |                              |
| 23   |                      | Провод АПВ сеч.2,5мм2  | Wire APV sec.2,5 mm2  | м / m             | 211               |                         |                              |
| 24   |                      | Провод АПВ сеч.4мм2  | Wire APV sec.4 mm2  | м / m             | 285               |                         |                              |
| 25   |                      | Провод АПВ сеч.6мм2  | Wire APV sec.6 mm2  | м / m             | 180               |                         |                              |
| 26   |                      | Провод АПВ сеч.10мм2   | Wire APV sec.10 mm2   | м / m             | 55                |                         |                              |
| 27   |                      | Провод АПВ сеч.16мм2   | Wire APV sec.16 mm2   | м / m             | 75                |                         |                              |

| №<br>пп   | Шифр /<br>Justification | Наименование работ и затрат              | Description  | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantity | Ст-ть<br>ед-цы /<br>Unit cost | Общая<br>стоимость /<br>Total cost |
|---|-------------------------|--|--|-------------------------|---------------------|-------------------------------|------------------------------------|
| 28  |                         | Провод АПВ сеч.25мм2                     | Wire APV sec.25 mm2  | м / м                   | 290                 |                               |                                    |
| 29  |                         | Провод АПВ сеч.35мм2                     | Wire APV sec.35 mm2  | м / м                   | 145                 |                               |                                    |
| 30  |                         | Провод АПВ сеч. 3(1x2.5)мм               | Wire APV sec.3(1x2.5)мм  | м / м                   | 144                 |                               |                                    |
| 31  |                         | Провод КГ сеч. 3x1.5мм2                  | Wire APV sec.3x1.5мм2  | м / м                   | 22                  |                               |                                    |
| 32  |                         | Труба пластмассовая диам. 25мм           | Plastic pipes, dia=25 mm   | м / м                   | 56                  |                               |                                    |
| 33  |                         | Труба пластмассовая диам. 32мм           | Plastic pipes, dia=32 mm   | м / м                   | 35                  |                               |                                    |
| 34  |                         | Труба пластмассовая диам. 40мм           | Plastic pipes, dia=40mm  | м / м                   | 49                  |                               |                                    |
| 35  |                         | Труба пластмассовая диам. 70мм           | Plastic pipes, dia=70 mm   | м / м                   | 64                  |                               |                                    |
| 36  |                         | Труба стальная диам. 25мм                | Steel pipes, dia=25 mm   | м / м                   | 15                  |                               |                                    |
| 37  | 500-<br>9117-<br>082    | Магнитный пускатель ПМЛ 123002<br>Inз=3А | Magnetic Starter, PML 123002 Inз=3A  | шт/nos                  | 3                   |                               |                                    |
| 38  |                         | Кабель АВВГ сеч. 4x2,5мм2                | Wire, AVVG, sec 4x2,5 mm2  | м / м                   | 30                  |                               |                                    |
| 39  |                         | Кабель ВВГ сеч. 4x6мм2                   | Wire, AVVG, sec 4x6mm3   | м / м                   | 4                   |                               |                                    |
| 40  |                         | Кабель ВВГ сеч. 5x4мм2                   | Wire, AVVG, sec 4x6mm3   | м / м                   | 21                  |                               |                                    |
|   |                         | <b>Итого по разделу 2</b>                | <b>Section 2 total cost:</b>   |                         |                     |                               |                                    |
| <b>Всего по разделам 1-2:</b>                                     |                         |  | <b>Total for section 1-2:</b>  |                         |                     |                               |                                    |
| Административные затраты и прибыль подрядчика от<br>прямых затрат |                         |  | Administration inputs and profit of contractor from<br>direct work inputs: |                         | %                   |                               |                                    |
| <b>ВСЕГО по локальному смету 1-5:</b>                             |                         |  | <b>Total on local BOQ 1-5:</b>   |                         |                     |                               |                                    |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

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Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_

Signature of Bidder

Stamp

**Cost estim 1-6 Fire signal**  
**Локальная смета 1-6 Пожарная сигнализация**

| № пп   | Шифр / Justification | Наименование работ и затрат   | Description   | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|---|---|-------------------|-------------------|-------------------------|------------------------------|
| <b>Раздел 1. Монтажные работы</b>                              |                      |   | <b>Section 1. Installation works</b>  |                   |                   |                         |                              |
| 1  | M10-08-001-01        | Приборы ПС приемно-контрольные  | Control device of fire alarm  | шт/nos            | 1                 |                         |                              |
| 2  | M10-08-002-03        | Извещатели ПС пожарный дымовой ИП 101   | Smoke alarm detectors 101   | шт/nos            | 112               |                         |                              |
| 3  | M10-08-001-08        | Извещатель пожарный ручной  | Fire detectors, manual  | шт/nos            | 112               |                         |                              |
| 4  | M10-08-003-03        | Оповещатель   | Alarm Annunciator   | шт/nos            | 9                 |                         |                              |
| 5  | M10-08-005-02        | Провод двух- и трехжильный с разделительным основанием по стенам и потолкам, прокладываемый по основаниям кирпичным | Duplex and triple wire with separated foundation on walls and ceilings laid along brickwork | м / m             | 593               |                         |                              |
|  |                      | <b>Итого монтаж:</b>  | <b>Erection work total cost:</b>  |                   |                   |                         |                              |
| <b>Раздел 2. Материалы не учтенные ценником</b>                |                      |   | <b>Section 2. Unpriced materials</b>  |                   |                   |                         |                              |
| 6  |                      | Прибор приёмно-контрольный  | Control device of fire alarm  | шт/nos            | 1                 |                         |                              |
| 7  |                      | Извещатель пожарный дымовой ИП101-18А   | Smoke alarm detector, IP 101-18A  | шт/nos            | 112               |                         |                              |
| 8  |                      | Извещатель пожарный ручной ИПР-ЗСУ-8  | Fire detectors, manual, IPR-3SU-8   | шт/nos            | 112               |                         |                              |
| 9  |                      | Оповещатель комбюинированный  | Alarm Annunciator, combined   | шт/nos            | 9                 |                         |                              |
| 10   |                      | Провод КПСВЭВ сеч. 1х2х0,75мм2  | Wire, KPSEV, sec. 1x2x0,75 mm2  | м / m             | 498               |                         |                              |
| 11   |                      | Провод ШВВП сеч. 1х2х0,75мм2  | Wire, SVVP, sec. 1x2x0,75 mm2   | м / m             | 95                |                         |                              |
| 12   |                      | Труба полиэтиленовая диаметром 16 мм  | Polyethylene pipe of 16mm diameter  | м / m             | 20                |                         |                              |
|  |                      | <b>Итого материалы:</b>   | <b>Materials total cost:</b>  |                   |                   |                         |                              |
| <b>Всего по разделам 1-2:</b>                                  |                      |   | <b>Total for section 1-2:</b>   |                   |                   |                         |                              |
| Административные затраты и прибыль подрядчика от прямых затрат |                      |   | Administration inputs and profit of contractor from direct work inputs:                     |                   | %                 |                         |                              |
| <b>ВСЕГО по локальному смету 1-6:</b>                          |                      |   | <b>Total on lokal BOQ 1-6:</b>  |                   |                   |                         |                              |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

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Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_  
Signature of Bidder

Stamp



**Cost estim 1-7      Technological equipment of the lift**  
**Локальная смета 1-7    Технологическая оборудования лифта**

| № пп   | Шифр / Justification | Наименование работ и затрат  | Description  | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|--|--|-------------------|-------------------|-------------------------|------------------------------|
| <b>Раздел 1. Монтаж лифта</b>                                  |                      |  | <b>Section 1. Installation lift</b>  |                   |                   |                         |                              |
| 1  | ГЭСНм0 3-05-001-02   | Лифты пассажирские со скоростью движения кабины до 1м/с грузоподъемностью 500 кг, количество остановок 12, высота шахты 38 м                       | Passanger elevators with a velocity of 1m/s, and load capacity of 500 kg, number of stops 12, height of shaft - 38 m                     | лифт /lift        | 1                 |                         |                              |
| 2  | ГЭСНм0 3-05-001-04   | За каждую остановку, более или менее указанных в характеристике лифта, добавлять или уменьшать для лифтов грузоподъемность, кг до 400, 500         | For each stop, more or less, indicated in specifications of the elevators, add or exclude load capacity for 400 kg, 500                  | ост-ка/ stop      | -9                |                         |                              |
| 3  | ГЭСНм0 3-05-001-06   | За каждый метр высоты шахты, более или менее указанных в характеристике лифта, добавлять или уменьшать для лифтов грузоподъемность, кг до 400, 500 | For each meter of shaft height, more or less, indicated in specifications of the elevators, add or exclude load capacity for 400 kg, 500 | м / m             | -27               |                         |                              |
|  |                      | <b>Итого монтаж:</b>   | <b>Erection work total cost:</b>   |                   |                   |                         |                              |
| <b>Раздел 2. Пуско-наладка лифта</b>                           |                      |  | <b>Section 2.</b>  |                   |                   |                         |                              |
| 6  | ГЭСНп0 1-14-003-03   | Лифт больничной, грузоподъемность до 500 кг, скорость движения кабины до 1 м/с, на 10 остановок  | Hospital elevator, with a load capacity of 500 kg, with a velocity of 1m/s, designed for 10 stops  | лифт /lift        | 1                 |                         |                              |
| 7  | ГЭСНп0 1-14-003-06   | При изменении количества остановок уменьшать или добавлять к норме 01-14-003-03  | In case of change in number of stops, add or exclude within the standards of 01-14-003-03  | ост-ка/ stop      | -7                |                         |                              |
|  |                      | <b>Итого пуско-наладка:</b>  | <b>Matrials total cost:</b>  |                   |                   |                         |                              |
| <b>Раздел 3. Оборудование</b>                                  |                      |  | <b>Section 3.</b>  |                   |                   |                         |                              |
|  |                      | Стоимость больничного лифта по ГОСТ 5746-83  | Price of Hospital Elevator as of SS - 5746-83  | шт/nos            | 1                 |                         |                              |
|  |                      | <b>Итого оборудования:</b>   | <b>Total cost as of Equipment:</b>   |                   |                   |                         |                              |
| <b>Всего по разделам 1-3:</b>                                  |                      |  | <b>Total for section 1-3:</b>  |                   |                   |                         |                              |
| Административные затраты и прибыль подрядчика от прямых затрат |                      |  | Administration inputs and profit of contractor from direct work inputs:  |                   | %                 |                         |                              |
| <b>ВСЕГО по локальному смету 1-7:</b>                          |                      |  | <b>Total on lokal BOQ 1-7:</b>   |                   |                   |                         |                              |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

\_\_\_\_\_  
Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_

Signature of Bidder

Stamp

**Cost estim 2-1 Chlorinating**  
**Локальная смета 2-1 Хлораторная**

| № пп                                     | Шифр / Justification | Наименование работ и затрат   | Description  | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|---|--|-------------------|-------------------|-------------------------|------------------------------|
| <b>Раздел 1. Общестроительные работы</b> |                      |   | <b>Division 1. Construction works</b>  |                   |                   |                         |                              |
|  |                      | <b>1. Земляные работы</b>   | <b>1. Earthwork</b>  |                   |                   |                         |                              |
| 1  | ЭСН1-3-14            | Разработка грунта в отвал экскаваторами "драглайн" или "обратная лопата" с ковшем вместимостью 0,5 (0,5-0,63) м3, гр. грунтов 2 | the development of soil into the refuse by excavators "drag line" or "reverse shovel" with ladle by capacity 0,5 (0,5-0,63) [m]3, deg. soils 2             | м³ / m³           | 222               |                         |                              |
| 2  | ЭСН1-191-8           | Доработка грунта вручную  | modifications of soil by hand  | м³ / m³           | 7                 |                         |                              |
| 3  | ЭСН1-30-6            | Перемещение грунта во временный отвал до 10 м бульдозерами мощностью 79 (108) кВт (л.с.), 2 группа грунтов                      | the displacement of soil into the temporary refuse to 10 m by the bulldozers with a power 79 (108) of kW (hp), 2 groups of soils                           | м³ / m³           | 112               |                         |                              |
| 4  | ЭСН1-172-5           | Планировка площадей ручным способом, группа грунтов 2   | the planning of areas by hand, the group of soils 2  | м² / m²           | 63                |                         |                              |
| 5  | ЭСН1-165-1           | Устройство грунтовых подушек на просадочных грунтах методом послойной укатки  | device of ground pillows on the settled earth by the method of layered rolling   | м³ / m³           | 107.3             |                         |                              |
| 6  | ЭСН1-30-6            | Перемещение грунта их временного отвала до 10 м бульдозерами мощностью 79 (108) кВт (л.с.), 2 группа грунтов                    | the displacement of the soil of their temporary refuse to 10 m by the bulldozers with a power 79 (108) of kW (hp), 2 groups of soils                       | м³ / m³           | 112               |                         |                              |
| 7  | ЭСН1-33-5            | Засыпка траншей и котлованов с перемещением грунта до 5 м бульдозерами мощностью 79 (108) кВт (л.с.), 2 группа грунтов          | the filling in of trenches and foundation areas with the displacement of soil to 5 m by the bulldozers with a power 79 (108) of kW (hp), 2 groups of soils | м³ / m³           | 78                |                         |                              |
| 8  | ЭСН1-160-1           | Уплотнение грунта пневматическими трамбовками, группа грунтов 1, 2  | soil compaction by pneumatic rams, the group of soils 1, 2   | м³ / m³           | 78                |                         |                              |
| 9  | ЭСН1-196-2           | Обратная засыпка грунта вручную с уплотнением   | the back filling of soil by hand with the packing  | м³ / m³           | 34                |                         |                              |
| 10                                       | ЭСН1-196-2           | Подсыпка под полы вручную с уплотнением   | filling under the hems by hand with the packing  | м³ / m³           | 12                |                         |                              |
| 11                                       | ЭСН1-192-3           | Разработка грунта вручную под отсыпку   | the development of soil by hand under the blind area   | м³ / m³           | 4                 |                         |                              |
|  |                      | <b>Итого по 1</b>   | <b>Total cost 1:</b>   |                   |                   |                         |                              |
|  |                      | <b>2. Фундаменты</b>  | <b>2. Foundations</b>  |                   |                   |                         |                              |
| 12                                       | ЭСН6-1-1             | Устройство бетонной подготовки из бетона класса В-3.5   | the device of concrete preparation   | м³ / m³           | 23.4              |                         |                              |
| 13                                       | ЭСН6-1-20            | Устройство ленточных фундаментов бетонных из бетона класса В-15   | the device of the continuous footing of concrete   | м³ / m³           | 12                |                         |                              |

| №<br>пп | Шифр /<br>Justification | Наименование работ и затрат   | Description   | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|---------|-------------------------|---|---|-------------------------|---------------------|--------------------------------|------------------------------------|
| 14      | ЭСН6-1-20               | Устройство ленточных фундаментов бетонных под перегородки из бетона класса В-15                                   | the device of the continuous footing of concrete under the partitions   | м³ / m³                 | 1.61                |                                |                                    |
| 15      | ЭСН6-15-10              | Армирование фундаментов   | the reinforcement of foundations  | тн / t                  | 0.119               |                                |                                    |
| 16      | ЭСН6-15-6               | Установка стальных конструкций, остающихся в теле бетона(выпуски фундаментов )                                    | the installation of the steel constructions, which are remained in tele- concrete (productions of foundations)    | тн / t                  | 0.0313              |                                |                                    |
| 17      | ЭСН11-11-1              | Устройство изоляции цементным раствором 1:2 толщиной 20 мм  | the device of isolation cement mortar 1:2 with the thickness of 20 mm   | м² / m²                 | 10.03               |                                |                                    |
|         |                         | <b>Итого по 2</b>   | <b>Total cost 2:</b>  |                         |                     |                                |                                    |
|         |                         | <b>3. Стены</b>   | <b>3. Walls</b>   |                         |                     |                                |                                    |
| 18      | ЭСН6-26-4               | Устройство монолитных железобетонных сердечников из бетона В-15   | the device of monolithic ferroconcrete cores  | м³ / m³                 | 1.52                |                                |                                    |
| 19      | СРЦ                     | Арматура класса А-III   | Steel bar, class A-III  | тн / t                  | 0.0534              |                                |                                    |
| 20      | СРЦ                     | Арматура класса А-I   | Steel bar, class A-I  | тн / t                  | 0.0114              |                                |                                    |
| 21      | ЭСН6-34-9               | Устройство монолитных железобетонных перемычек БМ-200, В-15   | the device of the monolithic ferroconcrete cross connections [BM]-200   | м³ / m³                 | 6.21                |                                |                                    |
| 22      | СРЦ                     | Арматура класса А-III   | Steel bar, class A-III  | тн / t                  | 0.028               |                                |                                    |
| 23      | СРЦ                     | Арматура класса А-I   | Steel bar, class A-I  | тн / t                  | 0.011               |                                |                                    |
| 24      | ЭСН8-5-3                | Кладка стен кирпичных наружных средней сложности при высоте этажа до 4 м из жженого кирпича М-75 на растворе М-50 | laying the walls of the brick external of average complexity with the height of floor to 4 m                      | м³ / m³                 | 17.91               |                                |                                    |
| 25      | ЭСН8-11-1               | Армирование кладки стен и других конструкций  | the reinforcement of laying the walls and other constructions   | тн / t                  | 0.1018              |                                |                                    |
| 26      | ЭСН8-5-3                | Кладка парапета   | laying parapet  | м³ / m³                 | 3.46                |                                |                                    |
| 27      | ЭСН8-6-3                | Кладка перегородок из кирпича армированных толщиной в 1/2 кирпича при высоте этажа до 4 м                         | laying partitions from the brick of those reinforced by thickness into 1/2 bricks with the height of floor to 4 m | м² / m²                 | 15.9                |                                |                                    |
|         |                         | <b>Итого по 3</b>   | <b>Total cost 3:</b>  |                         |                     |                                |                                    |
|         |                         | <b>4. Перекрытия</b>  | <b>4. Overlaps</b>  |                         |                     |                                |                                    |
| 28      | ЭСН6-41-1               | Устройство монолитного железобетонного перекрытия   | the device of monolithic reinforced concrete floor  | м³ / m³                 | 6                   |                                |                                    |
| 29      | СРЦ                     | Арматура класса А-III   | Steel bar, class A-III  | тн / t                  | 0.4389              |                                |                                    |
| 30      | СРЦ                     | Арматура класса А-I   | Steel bar, class A-I  | тн / t                  | 0.0342              |                                |                                    |
| 31      | ЭСН20-17-1              | Установка дефлекторов диаметром патрубка 300 мм   | the installation of deflectors with a diameter of the branch pipe of 300 mm                                       | шт/nos                  | 2                   |                                |                                    |
| 32      | ЭСН6-41-1               | Устройство монолитных козырьков из бетона В-15  | the device of monolithic ferroconcrete visors   | м³ / m³                 | 0.66                |                                |                                    |
|         |                         | <b>Итого по 4</b>   | <b>Total cost 4:</b>  |                         |                     |                                |                                    |
|         |                         | <b>5. Кровли</b>  | <b>5. Roofings</b>  |                         |                     |                                |                                    |

| №<br>пп | Шифр /<br>Justification | Наименование работ и затрат  | Description   | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|---------|-------------------------|--|---|-------------------------|---------------------|--------------------------------|------------------------------------|
| 33      | ЭСН10-2-1               | Установка стропил, муэрлатов   | the installation of rafters, [mueralatov]   | м³ / m³                 | 0.82                |                                |                                    |
| 34      | ЭСН10-87-1              | Огнезащита деревянных конструкций ферм, арок, балок, стропил, мауэрлатов   | fire protection of the wooden constructions of farms, arches, beams, rafters, [mauerlatov]  | м³ / m³                 | 0.82                |                                |                                    |
| 35      | ЭСН8-5-9                | Кладка кирпичных столбиков   | laying brick posts  | м³ / m³                 | 0.06                |                                |                                    |
| 36      | ЭСН12-7-9               | Устройство кровель из оцинкованной стали с настенными желобами   | the device of roofings from the galvanized iron with the wall chutes  | м² / m²                 | 45                  |                                |                                    |
| 37      | ЭСН10-88-1              | Огнезащита обрешеток под кровлю, покрытия и настилы по фермам  | fire protection of lathings under the roofing, the coating and floorings on the farms   | м² / m²                 | 45                  |                                |                                    |
| 38      | ЭСН12-8-1               | Устройство обделок на фасадах (наружные подоконники, пояски, балконы и др.) включая водосточные трубы с изготовлением элементов труб | the device of finishings on the facades (external window-sills, belts, balconies and other) including drain pipes with the production of the elements of pipes  | м² / m²                 | 64                  |                                |                                    |
| 39      | ЭСН12-15-1              | Устройство пароизоляции клеечной в один слой рубероида ркп 350б  | the device of the steam insulation of backing in one layer of Ruberoid RKP of 350[b]  | м² / m²                 | 24                  |                                |                                    |
| 40      | ЭСН12-14-2              | Утепление покрытий из аглопарита   | warming coatings of [agloparita]  | м³ / m³                 | 3.6                 |                                |                                    |
| 41      | ЭСН12-17-1              | Устройство выравнивающих стяжек цементно-песчаных толщиной 15 мм   | the device of the leveling tightening devices of cement-sand with the thickness of 15 mm  | м² / m²                 | 24                  |                                |                                    |
| 42      | ЭСН12-17-2              | Добавлять до толщины 20  | to add to thickness 20  | м² / m²                 | 24                  |                                |                                    |
| 43      | ЭСН10-3-1               | Устройство слуховых окон   | device of auditory windows  | шт/nos                  | 1                   |                                |                                    |
| 44      | ЭСН10-8-5               | Устройство карнизов  | the device of cornices  | м² / m²                 | 12                  |                                |                                    |
| 45      | ЭСН15-123-2             | Улучшенная окраска масляными составами по дереву карнизов  | the improved painting with oil compositions along the tree of cornices  | м² / m²                 | 12                  |                                |                                    |
|         |                         | <b>Итого по 5</b>  | <b>Total cost 5:</b>  |                         |                     |                                |                                    |
|         |                         | <b>6. Проемы</b>   | <b>6. Apertures</b>   |                         |                     |                                |                                    |
| 46      | ЭСН10-39-1              | Установка блоков в наружных и внутренних дверных проемах в каменных стенах площадью до 3 м²  | the installation of blocks in the external and internal door apertures in the rock walls with area to 3 [m]²  | м² / m²                 | 5.2                 |                                |                                    |
| 47      | ЭСН10-45-1              | Конопатка дверных коробок паклей в наружных стенах каменных площадью проема до 3 м²  | the chisel of the door casings of oakum in the external walls of rock with the area of aperture to 3 [m]²   | м² / m²                 | 5.2                 |                                |                                    |
| 48      | ЭСН10-39-3              | Установка блоков в наружных и внутренних дверных проемах в перегородках и деревянных нерубленых стенах площадью проема до 3 м²       | the installation of blocks in the external and internal door apertures in the partitions and the wooden [nerublenykh] walls with the area of aperture to 3 [m]² | м² / m²                 | 4.2                 |                                |                                    |
| 49      | СРЦ                     | Стоимость деревянных дверных блоков  | the cost of wooden door blocks  | м² / m²                 | 5.2                 |                                |                                    |
| 50      | СРЦ                     | Стоимость деревянных дверных блоков остекленных  | the cost of the wooden door blocks of those glazed  | м² / m²                 | 4.2                 |                                |                                    |
| 51      | СРЦ                     | Стоимость приборов дверных   | the cost of the instruments of door   | компл /set              | 4                   |                                |                                    |

| №<br>п/п | Шифр /<br>Justification | Наименование работ и затрат   | Description  | Един.<br>изм. /<br>Unit         | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|----------|-------------------------|---|--|---------------------------------|---------------------|--------------------------------|------------------------------------|
| 52       | ЭСН15-123-6             | Улучшенная окраска масляными составами по дереву блоков, подготовленных под вторую окраску дверных                    | the improved painting with oil compositions along the tree of the blocks, prepared for the second painting of door                                   | м <sup>2</sup> / m <sup>2</sup> | 23                  |                                |                                    |
| 53       | ЭСН10-34-1              | Установка в жилых и общественных зданиях оконных блоков из ПВХ профилей глухих площадью проема до 2 м <sup>2</sup>    | installation in the habitable and public buildings of window blocks of PVKh of the profiles of deaf to [ploshchadyu] of aperture to 2 [m]2           | м <sup>2</sup> / m <sup>2</sup> | 1.2                 |                                |                                    |
| 54       | ЭСН10-34-2              | Установка в жилых и общественных зданиях оконных блоков из ПВХ профилей глухих площадью проема более 2 м <sup>2</sup> | installation in the habitable and public buildings of window blocks of PVKh of the profiles of deaf to [ploshchadyu] of aperture is more than 2 [m]2 | м <sup>2</sup> / m <sup>2</sup> | 4.08                |                                |                                    |
|          |                         | <b>Итого по 6</b>   | <b>Total cost 6:</b>   |                                 |                     |                                |                                    |
|          |                         | <b>7. Полы</b>  | <b>7. Floors</b>   |                                 |                     |                                |                                    |
| 55       | ЭСН11-1-1               | Уплотнение грунта гравием   | soil compaction by gravel  | м <sup>2</sup> / m <sup>2</sup> | 5.57                |                                |                                    |
| 56       | ЭСН11-12-1              | Укладка лаг по кирпичным столбикам  | piling is log along the brick posts  | м <sup>2</sup> / m <sup>2</sup> | 5.57                |                                |                                    |
| 57       | ЭСН11-33-2              | Устройство покрытий дощатых толщиной 36 мм  | the device of coatings of made of planks with a thickness of 36 mm   | м <sup>2</sup> / m <sup>2</sup> | 5.57                |                                |                                    |
| 58       | ЭСН11-39-1              | Устройство плинтусов деревянных   | the device of the plinths of wooden  | м / m                           | 6                   |                                |                                    |
| 59       | ЭСН11-1-1               | Уплотнение грунта гравием   | soil compaction by gravel  | м <sup>2</sup> / m <sup>2</sup> | 14.35               |                                |                                    |
| 60       | ЭСН11-2-9               | Устройство подстилающих слоев бетонных  | the device of the underlying layers of concrete  | м <sup>3</sup> / m <sup>3</sup> | 1.15                |                                |                                    |
| 61       | ЭСН11-11-1              | Устройство стяжек цементных толщиной 20 мм  | the device of the tightening devices of cement with the thickness of 20 mm   | м <sup>2</sup> / m <sup>2</sup> | 14.35               |                                |                                    |
| 62       | ЭСН11-9-2               | Устройство тепло- и звукоизоляции сплошной из плит древесноволокнистых  | the device of heat- and of the soundproofing of continuous from the plates of wood fiber   | м <sup>2</sup> / m <sup>2</sup> | 14.35               |                                |                                    |
| 63       | ЭСН11-11-1              | Устройство стяжек цементных толщиной 20 мм  | the device of the tightening devices of cement with the thickness of 20 mm   | м <sup>2</sup> / m <sup>2</sup> | 14.35               |                                |                                    |
| 64       | ЭСН11-27-3              | Устройство покрытий на цементном растворе из плиток керамических для полов одноцветных с красителем                   | the device of coatings in the cement mortar from the tiles of ceramic for the floors one-color with the dye  | м <sup>2</sup> / m <sup>2</sup> | 14.35               |                                |                                    |
|          |                         | <b>Итого по 7</b>   | <b>Total cost 7:</b>   |                                 |                     |                                |                                    |
|          |                         | <b>8. Внутренняя отделка</b>  | <b>8. Internal finishing</b>   |                                 |                     |                                |                                    |
| 65       | ЭСН15-81-4              | Оштукатуривание поверхностей цементно-известковым или цементным раствором по камню и бетону улучшенное потолков       | plastering surfaces by calciferous cement or cement mortar on the stone and with concrete improved of ceilings                                       | м <sup>2</sup> / m <sup>2</sup> | 19.9                |                                |                                    |
| 66       | P11-217                 | Алебастровая стяжка потолков толщиной намета 2 мм   | the alabaster tightening device of ceilings with a thickness of the net of 2 mm  | м <sup>2</sup> / m <sup>2</sup> | 19.9                |                                |                                    |
| 67       | ЭСН15-111-4             | Окраска поливинилацетатными водоземulsionными составами улучшенная по штукатурке потолков                             | painting with polyvinyl acetate water-emulsion compositions improved on the plastering of ceilings   | м <sup>2</sup> / m <sup>2</sup> | 19.9                |                                |                                    |

| №<br>п/п | Шифр /<br>Justification | Наименование работ и затрат   | Description   | Един.<br>изм. /<br>Unit         | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|----------|-------------------------|---|---|---------------------------------|---------------------|--------------------------------|------------------------------------|
| 68       | ЭСН15-81-3              | Оштукатуривание поверхностей цементно-известковым или цементным раствором по камню и бетону улучшенное стен | plastering surfaces by calciferous cement or cement mortar along the stone and with concrete improved of walls    | м <sup>2</sup> / m <sup>2</sup> | 47.12               |                                |                                    |
| 69       | ЭСН15-91-1              | Штукатурка поверхностей оконных и дверных откосов по бетону и камню плоских                                 | the plastering of the surfaces of window and door slopes along concrete and stone of flat                         | m                               | 6                   |                                |                                    |
| 70       | ЭСН15-96-1              | Штукатурка по сетке без устройства каркаса улучшенная перегородок   | plastering along the grid without the device of body improved of partitions                                       | м <sup>2</sup> / m <sup>2</sup> | 31.8                |                                |                                    |
| 71       | P11-197                 | Алебастровая стяжка стен толщиной намета 2 мм   | the alabaster tightening device of the walls with a thickness of the net of 2 mm                                  | м <sup>2</sup> / m <sup>2</sup> | 59.48               |                                |                                    |
| 72       | P11-229                 | Алебастровая стяжка откосов внутри здания: прямолинейных  | the alabaster tightening device of slopes inside the building: rectilinear  | м <sup>2</sup> / m <sup>2</sup> | 6                   |                                |                                    |
| 73       | ЭСН15-19-1              | Облицовка стен кафелем  | the revetment of walls by glazed tile   | м <sup>2</sup> / m <sup>2</sup> | 19.44               |                                |                                    |
| 74       | ЭСН15-111-3             | Окраска поливинилацетатными вододисперсионными составами улучшенная по штукатурке стен                      | painting with polyvinyl acetate water-emulsion compositions improved on the plastering of walls                   | м <sup>2</sup> / m <sup>2</sup> | 65.5                |                                |                                    |
| 75       | ЭСН15-123-3             | Улучшенная окраска масляными составами по дереву полов  | improved painting with oil compositions along the tree of floors  | м <sup>2</sup> / m <sup>2</sup> | 5.57                |                                |                                    |
|          |                         | <b>Итого по 8</b>   | <b>Total cost 8:</b>  |                                 |                     |                                |                                    |
|          |                         | <b>9. Наружная отделка</b>  | <b>9. External finishing</b>  |                                 |                     |                                |                                    |
| 76       | ЭСН15-71-1              | Улучшенная штукатурка цементно-известковым раствором по камню стен  | the improved plastering by calciferous cement solution along the stone of walls                                   | м <sup>2</sup> / m <sup>2</sup> | 51.83               |                                |                                    |
| 77       | ЭСН15-71-1              | Улучшенная штукатурка цементно-известковым раствором по камню цоколя  | the improved plastering by calciferous cement solution along the stone of base                                    | м <sup>2</sup> / m <sup>2</sup> | 12                  |                                |                                    |
| 78       | ЭСН15-71-6              | Улучшенная штукатурка цементно-известковым раствором низа козырьков   | the improved plastering by the calciferous cement by the opening of the bottom of visors                          | м <sup>2</sup> / m <sup>2</sup> | 4.4                 |                                |                                    |
| 79       | ЭСН15-84-7              | Шпатлёвка низа козырька   | putty of the bottom of visor  | м <sup>2</sup> / m <sup>2</sup> | 4.4                 |                                |                                    |
| 80       | ЭСН15-73-1              | Высококачественная штукатурка цементно-известковым раствором по камню откосов при ширине до 200 мм плоских  | high-quality plastering by calciferous cement solution along the stone of slopes with the width to 200 mm of flat | м / m                           | 30.4                |                                |                                    |
| 81       | ЭСН15-84-7              | Шпатлёвка стен фасада   | putty of the walls of facade  | м <sup>2</sup> / m <sup>2</sup> | 69.83               |                                |                                    |
| 82       | ЭСН15-117-1             | Окраска фасадов по подготовленной поверхности фасадной краской  | painting facades over the prepared surface with masonry paint   | м <sup>2</sup> / m <sup>2</sup> | 74.23               |                                |                                    |
|          |                         | <b>Итого по 9</b>   | <b>Total cost 9:</b>  |                                 |                     |                                |                                    |
|          |                         | <b>10. Крыльцо, отмостка</b>  | <b>10. Porch, blinds</b>  |                                 |                     |                                |                                    |
|          |                         | <u>Крыльцо</u>  | <b>Porch</b>  |                                 |                     |                                |                                    |
| 83       | ЭСН6-1-1                | Устройство бетонной подготовки  | the device of concrete preparation  | м <sup>3</sup> / m <sup>3</sup> | 0.1                 |                                |                                    |
| 84       | ЭСН6-24-1               | Устройство стен, площадок и ступеней железобетонных   | the device of walls, areas and steps of ferroconcrete   | м <sup>3</sup> / m <sup>3</sup> | 0.9                 |                                |                                    |

| №<br>п/п                          | Шифр /<br>Justification | Наименование работ и затрат  | Description  | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|-----------------------------------|-------------------------|--|--|-------------------------|---------------------|--------------------------------|------------------------------------|
| 85                                | ЭСН11-11-1              | Устройство стяжек цементных толщиной 20 мм крылец  | the device of the tightening devices of cement with the thickness of 20 mm of porches  | м² / m²                 | 16.96               |                                |                                    |
| 86                                | ЭСН11-15-7              | Устройство покрытий шлифовка бетонных или металлоцементных покрытий  | the device of coatings the grinding of concrete or metal-cement coatings   | м² / m²                 | 16.96               |                                |                                    |
| 87                                | ЭСН15-84-1              | Затирка бетонных стен крыльца  | trowelling the concrete walls of porch   | м² / m²                 | 1.56                |                                |                                    |
| 88                                | ЭСН15-84-7              | Шпатлёвка стен крыльца   | putty of the walls of porch  | м² / m²                 | 1.56                |                                |                                    |
| 89                                | ЭСН15-117-1             | Окраска фасадной краской   | painting with masonry paint  | м² / m²                 | 1.56                |                                |                                    |
|                                   |                         | <u>Отмостка</u>  | <b>blind area</b>  |                         |                     |                                |                                    |
| 91                                | ЭСН11-2-3               | Устройство подстилающих слоев гравийных  | the device of the underlying layers of gravel  | м³ / m³                 | 2                   |                                |                                    |
| 92                                | ЭСН6-1-15               | Устройство бетонной отмостки толщиной 10см.  | the device of the concrete blind area of the [toshchinoy] of 10[sm].   | м³ / m³                 | 2                   |                                |                                    |
| 93                                | ЭСН27-14-2              | Установка бортовых камней бетонных при других видах покрытий   | Installation of the curbstones of concrete with other forms coatings   | м / m                   | 20                  |                                |                                    |
|                                   |                         | <b>Итого по 10</b>   | <b>Total cost 10:</b>  |                         |                     |                                |                                    |
|                                   |                         | <b>Итого по разделу 1</b>  | <b>Section 1 total cost:</b>   |                         |                     |                                |                                    |
| <b>Раздел 2. Электроосвещение</b> |                         |  | <b>Division 2. Electric lighting</b>   | -                       |                     |                                |                                    |
|                                   |                         | <b>1. Монтажные работы</b>   | <b>1. Installation works</b>   |                         |                     |                                |                                    |
| 94                                | M8-572-4                | Распределительный пункт (шкаф), устанавливаемый на стене, высота и ширина, мм, до 1200х1000 ПР 8503-1131                       | the distribution point (cabinet), installed on the wall, height and width, mm, to 1200[kh]1000 PR 8503-1131  | шт/nos                  | 1                   |                                |                                    |
| 95                                | M8-525-1                | Выключатель автоматический на 16 А   | switches automatic on 16 A   | шт/nos                  | 1                   |                                |                                    |
| 96                                | M8-524-1                | Ящик с понижающим трансформатором ЯТП-0,25/36  | box with the step-down transformer [YATP]-0,25/36  | шт/nos                  | 1                   |                                |                                    |
| 97                                | M8-593-6                | Светильник для энергосберегающих ламп потолочный с креплением винтами для помещений с нормальными условиями среды одноламповый | Luminaire for the energy-efficient lamps is ceiling with the fastening by screws for the accommodations with the standard conditions of medium single-tube | шт/nos                  | 4                   |                                |                                    |
| 98                                | M8-593-6                | Светильник для энергосберегающих ламп настенный с креплением винтами для помещений с нормальными условиями среды одноламповый  | Luminaire for the energy-efficient lamps wall with the fastening by screws for the accommodations with the standard conditions of medium the single-tube   | шт/nos                  | 2                   |                                |                                    |
| 99                                | M8-593-9                | Светильник переносной  | lamp of movable  | шт/nos                  | 1                   |                                |                                    |
| 100                               | M8-602-2                | Печь электрическая   | furnace electrical   | шт/nos                  | 2                   |                                |                                    |
| 101                               | M8-530-1                | Пускатель магнитный общего назначения отдельностоящий, устанавливаемый на конструкции на полу на ток, А, до 40                 | the starter magnetic of the general purpose [otdelnostoyashchiy], installed on the construction on the floor to the current, A, to 40                      | шт/nos                  | 1                   |                                |                                    |
| 102                               | M8-591-3                | Выключатель полугерметический и герметический  | switch [polugermeticheskiy] and sealed   | шт/nos                  | 6                   |                                |                                    |
| 103                               | M8-524-7                | Пакетный переключатель   | rotary switch  | шт/nos                  | 3                   |                                |                                    |



| №<br>п/п                                     | Шифр /<br>Justification | Наименование работ и затрат   | Description   | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|--|-------------------------|---|---|-------------------------|---------------------|--------------------------------|------------------------------------|
| 104  | M8-314-2                | Пост управления кнопочный   | control station fastener  | шт/nos                  | 1                   |                                |                                    |
| 105  | M8-420-1                | Коробка ответвительная  | box branch  | шт/nos                  | 9                   |                                |                                    |
| 106  | M8-525-1                | Выключатель автоматический на 10 А  | switch automatic on 10 A  | шт/nos                  | 1                   |                                |                                    |
| 107  | M8-591-11               | Розетка штепсельная трехполюсная  | rosette plug tripolar   | шт/nos                  | 2                   |                                |                                    |
| 108  | M8-146-2                | Кабели до 35 кв с креплением накладными скобами, масса 1 м кабеля, кг, до 1   | cables to 35 kV with the fastening by additional clamps, mass 1 m of cable, kgf, to 1   | м / m                   | 38                  |                                |                                    |
| 109  | M8-403-3                | Провода групповых осветительных сетей. Провод в защитной оболочке или кабель двух-трехжильные под штукатурку по стенам или в бороздах                     | wire of group lighting systems. Wire in the shielding shell or cable two-three-strand under the plastering on the walls or in the fissures                                  | м / m                   | 72                  |                                |                                    |
| 110  | M8-412-2                | Затягивание проводов в проложенные трубы и металлические рукава. Провод первый одножильный или многожильный в общей оплетке, суммарное сечение, мм2, до 6 | the pulling of wires into the laid pipes and the metallic sleeves. Wire the first is singlecore or is multiple-strand in the general braiding, summary section, [mm]2, to 6 | м / m                   | 2                   |                                |                                    |
|  |                         | <b>Итого по 1</b>   | <b>Total cost 1:</b>  |                         |                     |                                |                                    |
|  |                         | <b>2. Материалы не учтенные ценником</b>  | <b>2. Materials not taken into account by price list</b>  |                         |                     |                                |                                    |
| 111  |                         | Шкаф распределительный ПР 8503  | cabinet distributive PR 8503  | шт/nos                  | 1                   |                                |                                    |
| 112  |                         | Выключатель автоматический на 16 А  | switches automatic on 16 A  | шт/nos                  | 1                   |                                |                                    |
| 113  |                         | ЯТП -0,25   | [YATP] -0,25  | шт/nos                  | 1                   |                                |                                    |
| 114  |                         | Светильник НПП 05-10  | NPP lamp 05-10  | шт/nos                  | 4                   |                                |                                    |
| 115  |                         | Светильник ПСХ-60   | lamp [PSKH]-60  | шт/nos                  | 2                   |                                |                                    |
| 116  |                         | Лампы энергосберегающие   | Lamps energy-efficient  | шт/nos                  | 7                   |                                |                                    |
| 117  |                         | Светильник переносной   | Lamp movable  | шт/nos                  | 1                   |                                |                                    |
| 118  |                         | Пускатель магнитный ПКЕ-222-2   | starter magnetic [PKE]-222-2  | шт/nos                  | 1                   |                                |                                    |
| 119  |                         | Пакетный переключатель  | rotary switch   | шт/nos                  | 3                   |                                |                                    |
| 120  |                         | Пост управления кнопочный   | control station is fastener   | шт/nos                  | 1                   |                                |                                    |
| 121  |                         | Коробка ответвительная Л 251  | box branch L 251  | шт/nos                  | 9                   |                                |                                    |
| 122  |                         | Выключатель автоматический на 10 А  | switches the automatic on 10 A  | шт/nos                  | 1                   |                                |                                    |
| 123  |                         | Кабель ВВГ 3х1,5мм2   | cable [VVG] of 3x1,5[mm]2   | м / m                   | 88                  |                                |                                    |
| 124  |                         | Кабель ВВГ 4х1,5мм2   | the cable [VVG] of 4x1,5[mm]2   | м / m                   | 24                  |                                |                                    |
| 125  |                         | Печь электрическая  | furnace electrical  | шт/nos                  | 2                   |                                |                                    |
|  |                         | <b>Итого по 2</b>   | <b>Total cost 2:</b>  |                         |                     |                                |                                    |
|  |                         | <b>Итого по разделу 2</b>   | <b>Section 2 total cost:</b>  |                         |                     |                                |                                    |
| <b>Раздел 3. Водоснабжение и канализация</b> |                         |   | <b>Division 3. Water supply and canalization</b>  |                         |                     |                                |                                    |
|  |                         | <b>1. Монтажные работы</b>  | <b>1. Installation works</b>  |                         |                     |                                |                                    |
| 126  | ЭСН16-7-6               | Прокладка трубопроводов водоснабжения из стальных водогазопроводных оцинкованных труб диаметром 50 мм   | the pipe laying of water supply from the steel water-gas conducting zinc-coated pipes with a diameter of 50 mm  | м / m                   | 10                  |                                |                                    |

| №<br>пп | Шифр /<br>Justification | Наименование работ и затрат   | Description   | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|---------|-------------------------|---|---|-------------------------|---------------------|--------------------------------|------------------------------------|
| 127     | ЭСН16-7-3               | Прокладка трубопроводов водоснабжения из стальных водогазопроводных оцинкованных труб диаметром 25 мм                         | the pipe laying of water supply from the steel water-gas conducting zinc-coated pipes with a diameter of 25 mm                              | м / m                   | 2                   |                                |                                    |
| 128     | ЭСН16-7-1               | Прокладка трубопроводов водоснабжения из стальных водогазопроводных оцинкованных труб диаметром 15 мм                         | the pipe laying of water supply from the steel water-gas conducting zinc-coated pipes with a diameter of 15 mm                              | м / m                   | 5                   |                                |                                    |
| 129     | ЭСН16-27-1              | Установка кранов пожарных диаметром 50 мм   | the installation of the cranes of firemen with a diameter of 50 mm  | 1 кран/<br>1 crane      | 1                   |                                |                                    |
| 130     | СРЦ                     | Шкаф пожарный   | cabinet fire  | шт/nos                  | 1                   |                                |                                    |
| 131     | СРЦ                     | Огнетушитель химический воздушный пенный  | fire extinguisher is chemical air foam  | шт/nos                  | 2                   |                                |                                    |
| 132     | ЭСН16-17-1              | Установка вентилей диаметром до 25 мм   | the installation of the gates with a diameter of up to 25 mm  | шт/nos                  | 5                   |                                |                                    |
| 133     | ЭСН9-27-1               | Монтаж связей и распорок из одиночных и парных уголков, гнутосварных профилей для ванны                                       | the installation of connections and spacers from the single and paired corners, the [gnutosvarnykh] profiles for the bath                   | тн / t                  | 0.355               |                                |                                    |
| 134     | ЭСН17-1-1               | Установка ванн купальных прямых чугунных  | the installation of the baths of bathing straight cast iron   | компл<br>/set           | 3                   |                                |                                    |
| 135     | ЭСН16-16-2              | Прокладка трубопроводов водоснабжения из напорных полиэтиленовых труб низкого давления среднего типа наружным диаметром 25 мм | wood packing of the conduits of water supply from the pressure polyethylene pipes of average type low pressure with outer diameter of 25 mm | м / m                   | 20                  |                                |                                    |
| 136     | СРЦ                     | Вентиль 13бр8к diam. 25мм   | the gate of 13[br]8[k] diam. 25[mm]   | шт/nos                  | 1                   |                                |                                    |
| 137     | ЭСН16-17-1              | Установка вентилей диаметром до 25 мм   | the installation of the gates with a diameter of up to 25 mm  | шт/nos                  | 4                   |                                |                                    |
| 138     | ЭСН16-7-8               | Прокладка трубопроводов водоснабжения из стальных водогазопроводных оцинкованных труб диаметром 80 мм                         | the pipe laying of water supply from the steel water-gas conducting zinc-coated pipes with a diameter of 80 mm                              | м / m                   | 20                  |                                |                                    |
| 139     | ЭСН16-16-6              | Прокладка трубопроводов водоснабжения из напорных полиэтиленовых труб низкого давления среднего типа наружным диаметром 63 мм | the pipe laying of water supply from the pressure polyethylene pipes of average type low pressure with outer diameter of 63 mm              | м / m                   | 4                   |                                |                                    |
| 140     | ЭСН17-1-22              | Установка трапов диаметром 50 мм  | the installation of ladders with a diameter of 50 mm  | компл<br>/set           | 1                   |                                |                                    |
| 141     | ЭСН17-5-4               | Установка раковин   | the installation of shells  | компл<br>/set           | 1                   |                                |                                    |
| 142     | СРЦ                     | Ревизия diam. 50мм  | revision diam. 50[mm]   | шт/nos                  | 1                   |                                |                                    |
| 143     | СРЦ                     | Сифон-ревизия   | Siphon- revision  | шт/nos                  | 1                   |                                |                                    |
| 144     | ЭСН1-192-3              | Разработка грунта вручную   | the development of soil by hand   | м³ / m³                 | 11                  |                                |                                    |
| 145     | ЭСН1-196-2              | Обратная засыпка вручную  | back filling by hand  | м³ / m³                 | 11                  |                                |                                    |
|         |                         | <b>Итого по разделу 3</b>   | <b>Section 3 total cost:</b>  |                         |                     |                                |                                    |

| №<br>п/п   | Шифр /<br>Justification | Наименование работ и затрат  | Description   | Един.<br>изм. /<br>Unit         | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|--|-------------------------|--|---|---------------------------------|---------------------|--------------------------------|------------------------------------|
| <b>Раздел 4. Отопление и вентиляция</b>                        |                         |  | <b>Division 4. Heating and ventilation</b>  |                                 |                     |                                |                                    |
|  |                         | <b>1. Оборудование</b>   | <b>1. Equipment is</b>  |                                 |                     |                                |                                    |
| 1  | ЭСН20-30-1              | Установка агрегатов отопительных массой до 0,25 т  | the installation of the aggregates of heating with mass to 0,25 t   | шт/nos                          | 4                   |                                |                                    |
|  |                         | <b>2. Вентиляция</b>   | <b>2. Ventilation is</b>  |                                 |                     |                                |                                    |
| 2  | ЭСН20-1-9               | Прокладка воздуховодов из листовой, оцинкованной стали толщиной 0,7 мм, периметром 900 мм              | the padding of air ducts made of the sheet, galvanized iron with a thickness of 0,7 mm, by perimeter 900 mm           | м <sup>2</sup> / m <sup>2</sup> | 4                   |                                |                                    |
| 3  | ЭСН20-7-1               | Установка решеток регулирующих щелевых   | the installation of the lattices of those regulating slit   | шт/nos                          | 2                   |                                |                                    |
| 4  | ЭСН20-18-2              | Установка узлов прохода вытяжных вентиляционных шахт диаметром патрубка до 355 мм                      | the installation of the units of the passage of exhaust ventilating shafts with the diameter of branch pipe to 355 mm | 1 det                           | 2                   |                                |                                    |
| 5  | ЭСН15-128-2             | Масляная окраска металлических поверхностей больших поверхностей (кроме кровель), количество окрасок 2 | the oil painting of the metallic surfaces of large surfaces (besides roofings), the number of paintings with 2        | м <sup>2</sup> / m <sup>2</sup> | 4                   |                                |                                    |
|  |                         | <b>Итого по разделу 4</b>  | <b>Section 4 total cost:</b>  |                                 |                     |                                |                                    |
| <b>Всего по разделам 1-4:</b>                                  |                         |  | <b>Total for section 1-4:</b>   |                                 |                     |                                |                                    |
| Административные затраты и прибыль подрядчика от прямых затрат |                         |  | Administration inputs and profit of contractor from direct work inputs:   |                                 | %                   |                                |                                    |
| <b>ВСЕГО по локальному смету 2-1:</b>                          |                         |  | <b>Total on lokal BOQ 2-1:</b>  |                                 |                     |                                |                                    |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

\_\_\_\_\_  
Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_  
Signature of Bidder

Stamp

**Cost estim 2-2 Out dor toilet for 6 persons**  
**Локальная смета 2-2 Дворовая уборная на 6 очков**

| № пп                             | Шифр / Justification | Наименование работ и затрат  | Description  | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
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| <b>Раздел 1. Подземная часть</b> |                      |  | <b>Section 1.Substructure</b>  |                   |                   |                         |                              |
|                                  |                      | <b>1. Общестроительные работы</b>  | <b>1. Civil and erection works</b>   |                   |                   |                         |                              |
| 1                                | ЭСН1-3-15            | Разработка грунта в отвал экскаваторами "драглайн" или "обратная лопата" с ковшем вместимостью 0,5 (0,5-0,63) м³, группа грунтов 3 | Excavation works of soil to stockpile with the dragline or back diggers. Capacity of dipper 0,5 (0,5-0,63) m³. Soil type - III | м³ / m³           | 100               |                         |                              |
| 2                                | ЭСН1-190-3           | Доработка грунта вручную с креплениями в траншеях шириной до 2 м, глубиной до 2 м, группа грунтов 3                                | Manual completion of excavation works at the trenches of 2 m depth, with no slope lining. Soil type - III                      | м³ / m³           | 3                 |                         |                              |
| 3                                | ЭСН1-190-3           | Разработка грунта вручную под фундаменты крылец и отмостку   | Manual excavation earthworks for the foundation pit of terrace steps (porch)   | м³ / m³           | 5                 |                         |                              |
| 4                                | ЭСН1-196-2           | Обратная засыпка грунта вручную с уплотнением  | Manual backfill of earth, with compaction  | м³ / m³           | 71                |                         |                              |
| 5                                | ЭСН1-196-2           | Подсыпка грунта под полы икрыльца вручную с уплотнением  | Bedding course (manual) of soil under floors of porch, with further compaction   | м³ / m³           | 5                 |                         |                              |
| 6                                | ЭСН1-30-6            | Перемещение бульдозером излишнего грунта до 10 м в резерв  | Transporation of excess soil, up to 10 m reserve (by bulldozer)  | м³ / m³           | 32                |                         |                              |
| 7                                | ЭСН1-30-14           | При перемещении грунта на каждые последующие 10 м добавлять к норме 1-30-6   | While moving soil for consecutive 10 m to follow norms 1-30-6  | м³ / m³           | 32                |                         |                              |
| 8                                | ЭСН6-1-20            | Монолитный бетонный ленточный фундамент М-100 под стены выгребов толщ.400мм  | Monolith concrete band foundation M-100, for sewerage hole walls, of 400 mm thickness  | м³ / m³           | 25.2              |                         |                              |
| 9                                | ЭСН6-24-1            | Монолитные бетонные стены и цоколь выгребов М-100 толщ.400мм   | Monolithic concrete walls and socle of sewerage hole M-100 of 400 mm thickness   | м³ / m³           | 9.86              |                         |                              |
| 10                               | ЭСН6-92-1            | Армирование фундаментов  | Reinforcement of foundation pit  | тн / t            | 0.01              |                         |                              |
| 11                               | ЭСН11-1-2            | Уплотнение мятой глины щебнем  | Compaction of pug by crushed stone   | м² / m²           | 7                 |                         |                              |
| 12                               | ЭСН11-2-5            | Изоляция пола выгребов мятой глиной толщ.200мм   | Isolation of sewerage hole's floor by pug of 200 mm thickness  | м³ / m³           | 1.47              |                         |                              |
| 13                               | ЭСН11-2-9            | Бетонная подготовка из бетона М-1,, толщ.150мм   | Concrete work of M-1 class, 150 mm thickness   | м³ / m³           | 1.1               |                         |                              |
| 14                               | ЭСН11-11-1           | Устройство стяжек цементных толщиной 20 мм   | Installation of cement brace-rod, of 20 mm thickness   | м² / m²           | 7                 |                         |                              |
| 15                               | ЭСН11-15-8           | Железнение цементных покрытий  | Dry topping of cement coverings  | м² / m²           | 7                 |                         |                              |
| 16                               | ЭСН15-81-1           | Оштукатуривание поверхностей цементно-известковым раствором по камню и бетону простое стен   | Plastering of surfaces with cement-limestone solution, applied on stone and concrete   | м² / m²           | 50                |                         |                              |
| 17                               | ЭСН11-15-8           | Железнение цементных покрытий  | Dry topping of cement coverings  | м² / m²           | 50                |                         |                              |

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| 18   | ЭСН8-4-1             | Слой мятой глины по наружной поверхности стен тощ 200мм                                    | The pug layer applied on external surface of the walls - 200mm thickness                           | м³ / m³           | 5.74              |                         |                              |
| 19   | ЭСН11-1-2            | Уплотнение мятой глины щебнем  | Compaction of pug by crushed stone   | м² / m²           | 29                |                         |                              |
| 20   | ЭСН8-3-1             | Гидроизоляция стен, фундаментов горизонтальная цементная с жидким стеклом                  | Horizontal waterproofing of walls, foundation pits (basements), applied together with liquid glass | м² / m²           | 12                |                         |                              |
| 21   | ЭСН23-2-2            | Укладка трубопроводов из асбестоцементных безнапорных труб диаметром 200 мм                | Laying of asbestos-cement no pressure pipes, with 200 mm diameter                                  | м / m             | 7.2               |                         |                              |
|      |                      | <b>Итого по 1</b>  | <b>Total cost 1:</b>   |                   |                   |                         |                              |
|      |                      | <b>2. Перекрытие выгреб</b>  | <b>2. Covering of sewerage hole</b>  |                   |                   |                         |                              |
| 22   | ЭСН7-91-4            | Установка панелей перекрытий с опиранием на две стороны площадью до 5 м²,                  | Installation of overlapping panels, with bearing on both sides and area up to 5m²                  | шт/pos            | 2                 |                         |                              |
| 23   | ССЦ №2 2009г.        | Стоимость плит   | Cost (price) of slabs  | м² / m²           | 9.2               |                         |                              |
| 24   | ЭСН23-24-1           | Установка люка   | Installation of the manhole  |                   | 1                 |                         |                              |
| 25   | ЭСН10-39-5           | Деревянная термоизоляционная крышка  | Wooden heatinsulation cover  | м² / m²           | 0.33              |                         |                              |
| 26   | ЭСН6-92-7            | Установка отдельных стержней в стенах диаметром до 8 мм                                    | Installation of separate cores within the walls up to 8 mm diameter                                | тн / t            | 0.01              |                         |                              |
| 27   | ЭСН6-92-10           | Установка отдельных стержней в перекрытиях диаметром св. 8 мм                              | Installation of separate cores within the walls more than 8 mm diameter                            | тн / t            | 0.01              |                         |                              |
| 28   | ЭСН6-1-20            | Монолитный бетонный ленточный фундамент М-150 под стены уборной                            | Monolith concrete band foundation M-150, for sewerage hole walls                                   | м³ / m³           | 8.22              |                         |                              |
| 29   | ЭСН6-92-1            | Армирование фундаментов  | Reinforcement of foundation pit  | тн / t            | 0.09              |                         |                              |
| 30   | ЭСН6-1-20            | Монолитный бетонный ленточный фундамент М-150 под крыльца                                  | Monolith concrete band foundation M-150, for porch   | м³ / m³           | 8.22              |                         |                              |
| 31   | ЭСН6-24-1            | Монолитные бетонные стенки и ступени крыльца М-150   | Monolith concrete walls and steps of porch, M-150  | м³ / m³           | 0.73              |                         |                              |
| 32   | ЭСН6-92-1            | Армирование фундаментов  | Reinforcement of foundation pit  | тн / t            | 0.06              |                         |                              |
| 33   | ЭСН11-1-2            | Уплотнение грунта щебнем   | Compaction of pug by crushed stone   | м² / m²           | 4                 |                         |                              |
| 34   | ЭСН11-4-1            | Устройство гидроизоляции оклеечной рулонными материалами на мастике битуминоль первый слой | Installation of waterproofing with roll materials on bitumen mastic (single layer)                 | м² / m²           | 4.9               |                         |                              |
| 35   | ЭСН11-2-9            | Входная площадка из бетона М-100 толщ.100мм  | Entrance platform made of concrete M-100, 100 mm thickness   | м³ / m³           | 0.49              |                         |                              |
| 36   | ЭСН11-15-3           | Устройство покрытий площадок и ступеней цементных толщиной 20 мм                           | Installation of covering of concrete landing and steps, of 20 mm thickness                         | м² / m²           | 9.72              |                         |                              |
| 37   | ЭСН11-15-8           | Железнение цементных покрытий  | Dry topping of cement coverings  | м² / m²           | 9.72              |                         |                              |

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| 38                               | ЭСН15-71-1           | Улучшенная штукатурка цементно-известковым раствором по камню цоколя и подпорных стенок крылец               | Enhanced plastering with a cement-limestone solution, applied on stone parts of socle and bearing walls of porch       | м <sup>2</sup> / m <sup>2</sup> | 7.4               |                         |                              |
| 39                               | ЭСН15-134-4          | Окраска цоколя и подпорных стенок крылец за 2 раза кузбасским лаком  | Painting of socle and bearing walls of porch with varnish (double layer, varnish brand - Kuzbass)                      | м <sup>2</sup> / m <sup>2</sup> | 7.4               |                         |                              |
| 40                               | ЭСН11-2-3            | Устройство подстилающих слоев гравийных толщ. 10см.  | Installation of underlayers filled with gravel composite, of 10 mm thickness   | м <sup>3</sup> / m <sup>3</sup> | 1.6               |                         |                              |
| 41                               | ЭСН11-19-1           | Устройство покрытий асфальтобетонных литых толщиной 25 мм  | Installation of cast-asphalt-concrete coverings, with 25 mm thickness  | м <sup>2</sup> / m <sup>2</sup> | 16                |                         |                              |
| 42                               | ЭСН11-19-2           | Устройство покрытий асфальтобетонных литых на 5 мм изменения толщины добавлять или исключать к норме 11-19-1 | For 5 mm change in thickness of installation of cast-asphalt-concrete coverings, norms of 11-19-1 should be considered | м <sup>2</sup> / m <sup>2</sup> | 16                |                         |                              |
|                                  |                      | <b>Итого по 2</b>  | <b>Total cost 2:</b>   |                                 |                   |                         |                              |
|                                  |                      | <b>Итого по разделу 1</b>  | <b>Section 1 total cost:</b>   |                                 |                   |                         |                              |
| <b>Раздел 2. Надземная часть</b> |                      |  | <b>Раздел 2. Superstructure</b>  |                                 |                   |                         |                              |
|                                  |                      | <b>1. Стены и перегородки</b>  | <b>1. Walls and partitions</b>   |                                 |                   |                         |                              |
| 43                               | ЭСН8-5-1             | Кладка стен кирпичных наружных из кирпича М-75 на растворе М 50  | External brickwork from brick M-75, on a solution M 50   | м <sup>3</sup> / m <sup>3</sup> | 20.3              |                         |                              |
| 44                               | ЭСН8-5-1             | Кладка парапета по периметру кровли из кирпича М-75 на растворе М 50   | Laying of a roof parapet from brick M-75, on a solution M 50   | м <sup>3</sup> / m <sup>3</sup> | 5.09              |                         |                              |
| 45                               | ЭСН8-6-3             | Кладка перегородок из кирпича армированных толщиной в 1/2 кирпича при высоте этажа до 4 м                    | Laying of partitions made of brick reinforced by thickness of 1/2 bricks, with the floor height of 4 m                 | м <sup>2</sup> / m <sup>2</sup> | 36.5              |                         |                              |
| 46                               | ЭСН7-44-1            | Установка крепёжных элементов  | Installation of fixing elements  | тн / t                          | 0.03              |                         |                              |
| 47                               | ЭСН11-11-1           | Стяжка из цементного раствора толщ 20мм под перегородки  | Bridle for means of partitions, made of cement solution. 20 mm thickness   | м <sup>2</sup> / m <sup>2</sup> | 3                 |                         |                              |
| 48                               | ЭСН8-11-1            | Металлические перемычки  | Metal squinch  | тн / t                          | 0.01              |                         |                              |
| 49                               | ЭСН13-11-4           | Огрунтовка металлических поверхностей за один раз грунтовкой ГФ-021  | Priming of metallic surfaces (1 time) GF - 021   | м <sup>2</sup> / m <sup>2</sup> | 1                 |                         |                              |
| 50                               | ЭСН13-13-26          | Окраска металлических оштукатуренных поверхностей эмалью ПФ-115  | Painting of metallic primed surfaces with enamel of PF-115   | м <sup>2</sup> / m <sup>2</sup> | 1                 |                         |                              |
| 51                               | ЭСН6-41-4            | Монолитный ж/бетонный козырёк Кв-1 из БМ-200   | Monolith reinforced-concrete abajour Kv-1, BM-200  | м <sup>3</sup> / m <sup>3</sup> | 0.5               |                         |                              |
| 52                               | ЭСН6-34-9            | Устройство перемычек   | Installation of squinches  | м <sup>3</sup> / m <sup>3</sup> | 1.15              |                         |                              |
| 53                               | ЭСН6-35-1            | Устройство поясов в опалубке   | Installation of belts in a timbering   | м <sup>3</sup> / m <sup>3</sup> | 1.4               |                         |                              |
| 54                               | ЭСН6-15-7            | Установка закладных деталей весом до 4 кг  | Installation of embedded part with a mass up to 4 kg   | тн / t                          | 0.01              |                         |                              |
|                                  |                      | <b>Итого по 1</b>  | <b>Total cost for section 1:</b>   |                                 |                   |                         |                              |
|                                  |                      | <b>2. Перекрытие и подшивной потолок</b>   | <b>2. Covering and boarded ceiling</b>   |                                 |                   |                         |                              |

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| 55   | ЭСН10-21-1           | Устройство перекрытий с укладкой балок по стенам каменным с накатом из щитов   | Installation of covering with laying of beams, within the stone walls, with rough finish of plates  | м <sup>2</sup> / m <sup>2</sup> | 21                |                         |                              |
| 56   | ЭСН15-47-8           | Облицовка потолков гипсокартонными или гипсоволокнистыми листами по деревянному каркасу с откосом 5 см, с установкой нащельников     | Revetment of ceiling by gypsum-panel boards or gypsum-fiber plates installed within wooden carcass with lifting of 5 cm and installation of aperture closures | м <sup>2</sup> / m <sup>2</sup> | 21                |                         |                              |
|      |                      | <b>Итого по 2</b>  | <b>Total cost for section 2:</b>  |                                 |                   |                         |                              |
|      |                      | <b>3. Кровля</b>   | <b>3. Roof</b>  |                                 |                   |                         |                              |
| 57   | ЭСН10-2-1            | Установка стропил  | Installation of roof timbers  | м <sup>3</sup> / m <sup>3</sup> | 1.89              |                         |                              |
| 58   | ЭСН8-11-1            | Скрутка 4 Вр-1   | Splicing 4 Vr-1   | тн / t                          | 0.01              |                         |                              |
| 59   | ЭСН12-7-8            | Устройство кровель из волнистой оцинкованной стали с устройством деревянной обрешетки  | Installation of roofs made of waved galvanized steel, with wooden grid (grillage)   | м <sup>2</sup> / m <sup>2</sup> | 69                |                         |                              |
| 60   | ЭСН12-10-1           | Обшивка боковых поверхностей козырьков оцинкованной сталью   | Sheeting of abat-jour's side sheetings by galvanized steel  | м <sup>2</sup> / m <sup>2</sup> | 2.8               |                         |                              |
| 61   | ЭСН10-87-1           | Огнезащита деревянных конструкций ферм, арок, балок, стропил, мауэрлатов   | Fireproofing of wooden elements, timbers, arch and wall plates  | м <sup>3</sup> / m <sup>3</sup> | 1.89              |                         |                              |
| 62   | ЭСН10-88-1           | Огнезащита обрешеток под кровлю, покрытия и настилы по фермам  | Fireproofing of grillage, covering and roof decking   | м <sup>2</sup> / m <sup>2</sup> | 21                |                         |                              |
| 63   | ЭСН12-10-1           | Оцинкованная кровельная сталь по коньку  | Galvanized roof steel, installed as of apex   | м <sup>2</sup> / m <sup>2</sup> | 1                 |                         |                              |
| 64   | ЭСН10-3-1            | Устройство слуховых окон   | Installation of roof dormers  | шт/nos                          | 1                 |                         |                              |
| 65   | ЭСН15-123-5          | Улучшенная окраска масляными составами по дереву заполнений проемов оконных  | Enhanced oil painting of wooden elements of door and window archs and apertures   | м <sup>2</sup> / m <sup>2</sup> | 1.42              |                         |                              |
| 66   | ЭСН15-137-3          | Остекление оконным стеклом окон с одинарным переплетом   | Glaring of windows with single transom  | м <sup>2</sup> / m <sup>2</sup> | 1.18              |                         |                              |
| 67   | ЭСН10-22-3           | Подшивка карниза пластиком   | Boarding of cornice with plastic  | м <sup>2</sup> / m <sup>2</sup> | 15                |                         |                              |
| 68   | ЭСН12-9-2            | Устройство желобов подвесных   | Installation of suspended (overhead) channel  | м / m                           | 26                |                         |                              |
| 69   | ЭСН12-8-1            | Устройство обделок на фасадах (наружные подоконники, пояски, балконы и др.) включая водосточные трубы с изготовлением элементов труб | Installation of façade lining (external windowsills, string cornice, balcony and etc), including discharges with assembly of discharge elements               | м <sup>2</sup> / m <sup>2</sup> | 79                |                         |                              |
|      |                      | <b>Итого по 3</b>  | <b>Total cost for section 3:</b>  |                                 |                   |                         |                              |
|      |                      | <b>4. Проемы</b>   | <b>4. apertures</b>   |                                 |                   |                         |                              |
| 70   | ЭСН10-27-1           | Установка фрамуг в стенах каменных площадью проема до 2 м <sup>2</sup>   | Installation of transoms in stone walls with area of aperture up to 2 m <sup>2</sup>  | м <sup>2</sup> / m <sup>2</sup> | 1.6               |                         |                              |
| 71   | ЭСН15-137-5          | Остекление оконным стеклом фрамуг с одним переплетом   | Glaring of windows with single transom  | м <sup>2</sup> / m <sup>2</sup> | 1.6               |                         |                              |



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|------|----------------------|--|---|---------------------------------|-------------------|-------------------------|------------------------------|
| 72   | ЭСН10-39-1           | Установка блоков в наружных и внутренних дверных проемах в каменных стенах площадью до 3 м2                                    | Installation of blocks, in internal and external door apertures within stone walls of 3m2 area                    | м <sup>2</sup> / m <sup>2</sup> | 5.67              |                         |                              |
| 73   | ЭСН10-39-3           | Установка блоков в наружных и внутренних дверных проемах в перегородках и деревянных нерубленых стенах площадью проема до 3 м2 | Installation of blocks, in internal and external door apertures within partitions and wooden walls up to 3m2 area | м <sup>2</sup> / m <sup>2</sup> | 3.78              |                         |                              |
| 74   | ЭСН10-40-1           | Установка дверных полотен в перегородках площ. проёма до 2м2   | Installation of door leaves in aperture's partition up to 2m2 area  | м <sup>2</sup> / m <sup>2</sup> | 8.1               |                         |                              |
| 75   | ЭСН10-45-1           | Конопатка дверных коробок паклей в наружных стенах каменных площадью проема до 3 м2  | Calking of door cases with hemp within external stone walls up to 3m2 area  | м <sup>2</sup> / m <sup>2</sup> | 5.67              |                         |                              |
|      |                      | <b>Итого по 4</b>  | <b>Total cost for section 4:</b>  |                                 |                   |                         |                              |
|      |                      | <b>5. Полы</b>   | <b>5. Floors</b>  |                                 |                   |                         |                              |
|      |                      | <u>Деталь пола П-1</u>   | <u>Floor detail P-1</u>   |                                 |                   |                         |                              |
| 76   | ЭСН11-1-2            | Уплотнение грунта щебнем   | Compaction of soil by crushed stone   | м <sup>2</sup> / m <sup>2</sup> | 11                |                         |                              |
| 77   | ЭСН11-2-9            | Бетонная подготовка М-100 толщ. 100мм по грунту  | Concrete blinding coat of M-100, 100 mm thickness (as of soil)  | м <sup>3</sup> / m <sup>3</sup> | 1.1               |                         |                              |
| 78   | ЭСН11-4-1            | Устройство гидроизоляции оклеечной рулонными материалами на мастике битуминоль первый слой                                     | Installation of waterproofing with roll materials on bitumen mastic (single layer)                                | м <sup>2</sup> / m <sup>2</sup> | 17.9              |                         |                              |
| 79   | ЭСН11-11-1           | Устройство стяжек цементных толщиной 20 мм   | Installation of cement brace-rod, of 20 mm thickness  | м <sup>2</sup> / m <sup>2</sup> | 17.9              |                         |                              |
| 80   | ЭСН11-27-3           | Устройство покрытий на цементном растворе из плиток керамических для полов одноцветных с красителем                            | Installation of partitions on a cement solution made of ceramic dalles, for floors with single-type of painting   | м <sup>2</sup> / m <sup>2</sup> | 17.9              |                         |                              |
| 81   | ЭСН11-39-4           | Устройство плинтусов из плиток керамических  | Installation of plinths made of ceramic dalles  | м / m                           | 17.9              |                         |                              |
|      |                      | <u>Деталь пола П-3</u>   | <u>Floor detail P-3</u>   |                                 |                   |                         |                              |
| 82   | ЭСН11-4-1            | Устройство гидроизоляции оклеечной рулонными материалами на мастике битуминоль первый слой                                     | Installation of waterproofing with roll materials on bitumen mastic (single layer)                                | м <sup>2</sup> / m <sup>2</sup> | 2.9               |                         |                              |
| 83   | ЭСН11-15-3           | Устройство покрытий цементных толщиной 20 мм   | Installation of cement covering, of 20 mm thickness   | м <sup>2</sup> / m <sup>2</sup> | 2.9               |                         |                              |
| 84   | ЭСН11-15-8           | Железнение цементных покрытий  | Dry topping of cement coverings   | м <sup>2</sup> / m <sup>2</sup> | 2.9               |                         |                              |
| 85   | ЭСН11-39-2           | Устройство плинтусов цементных   | Installation of cement plinths  | м / m                           | 2.9               |                         |                              |
|      |                      | <b>Итого по 5</b>  | <b>Total cost for section 5:</b>  |                                 |                   |                         |                              |
|      |                      | <b>6. Внутренняя отделка</b>   | <b>6. Internal finishing</b>  |                                 |                   |                         |                              |
| 86   | ЭСН15-81-3           | Оштукатуривание поверхностей цементно-известковым или цементным раствором по камню и бетону улучшенное стен                    | Plastering of surfaces with cement-limestone solution or cement solution, applied on stone and concrete           | м <sup>2</sup> / m <sup>2</sup> | 55.5              |                         |                              |
| 87   | ЭСН15-91-1           | Штукатурка поверхностей оконных и дверных откосов по бетону и камню плоских  | Plastering of surface of windows and doors esconson as of concrete and plain stones                               | м <sup>2</sup> / m <sup>2</sup> | 5.1               |                         |                              |

| № пп                              | Шифр / Justification | Наименование работ и затрат  | Description   | Един. изм. / Unit               | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|-----------------------------------|----------------------|--|---|---------------------------------|-------------------|-------------------------|------------------------------|
| 88                                | ЭСН15-111-3          | Окраска поливинилацетатными вододисперсионными составами улучшенная по штукатурке стен                     | Painting with polyvinylacetate and water-emulsion composites, for walls' plastering enhancement             | м <sup>2</sup> / m <sup>2</sup> | 60.6              |                         |                              |
| 89                                | ЭСН15-123-8          | Улучшенная окраска масляными составами по штукатурке стен на высоту 1,8м                                   | Enhanced painting with oil composites as of wall plastering on a height of 1,8 m                            | м <sup>2</sup> / m <sup>2</sup> | 66.3              |                         |                              |
| 90                                | ЭСН15-123-5<br>к=1,6 | Улучшенная окраска масляными составами по дереву заполнений проемов оконных                                | Enhanced painting with oil composites as of wooden window apertures   | м <sup>2</sup> / m <sup>2</sup> | 2.56              |                         |                              |
| 91                                | ЭСН15-123-4<br>к=2,4 | Улучшенная окраска масляными составами по дереву заполнений проемов дверных в стенах глухих                | Enhanced painting with oil composites as of wooden door apertures within blind walls                        | м <sup>2</sup> / m <sup>2</sup> | 13.61             |                         |                              |
| 92                                | ЭСН15-123-4<br>к=2,7 | Улучшенная окраска масляными составами по дереву заполнений проемов дверных в перегородках                 | Enhanced painting with oil composites as of wooden door apertures within partitions                         | м <sup>2</sup> / m <sup>2</sup> | 29.81             |                         |                              |
|                                   |                      | <b>Итого по 6</b>  | <b>Total cost for section 6:</b>  |                                 |                   |                         |                              |
|                                   |                      | <b>7. Наружная отделка</b>   | <b>7. External finishing</b>  |                                 |                   |                         |                              |
| 93                                | ЭСН15-71-1           | Улучшенная штукатурка цементно-известковым раствором по камню стен   | Enhanced plastering by cement-limestone solution applied as of stone walls                                  | м <sup>2</sup> / m <sup>2</sup> | 72                |                         |                              |
| 94                                | ЭСН15-73-1           | Высококачественная штукатурка цементно-известковым раствором по камню откосов при ширине до 200 мм плоских | High-quality plastering by cement-limestone solution applied as of stone esconson, with the width of 200 mm | м / m                           | 26                |                         |                              |
| 95                                | ЭСН15-117-2          | Окраска фасадов с лесов по подготовленной поверхности кремнийорганическая                                  | Organic silicon painting of wooden elements façade within prepared surface                                  | м <sup>2</sup> / m <sup>2</sup> | 75                |                         |                              |
| 96                                | ЭСН15-84-1           | Сплошное выравнивание бетонных поверхностей (однослойная штукатурка) известковым раствором стен            | Blind levelling of concrete surfaces of the walls (single layer plastering) by limestone solution           | м <sup>2</sup> / m <sup>2</sup> | 1                 |                         |                              |
| 97                                | ЭСН11-15-8           | Железнение цементных покрытий  | Dry topping of cement coverings   | м <sup>2</sup> / m <sup>2</sup> | 1                 |                         |                              |
| 98                                | ЭСН15-84-2           | Сплошное выравнивание бетонных поверхностей (однослойная штукатурка) известковым раствором потолков        | Blind levelling of concrete surfaces of the ceilings (single layer plastering) by limestone solution        | м <sup>2</sup> / m <sup>2</sup> | 4.32              |                         |                              |
| 99                                | ЭСН15-117-2          | Кремнийорганическая окраска низа козырька по подготовленной поверхности                                    | Organic silicon painting of abat-jour as of prepared surface  | м <sup>2</sup> / m <sup>2</sup> | 4.32              |                         |                              |
|                                   |                      | <b>Итого по 7</b>  | <b>Total cost for section 7:</b>  |                                 |                   |                         |                              |
|                                   |                      | <b>Итого по разделу 2</b>  | <b>Total cost for section 2:</b>  |                                 |                   |                         |                              |
| <b>Раздел 3. Электроосвещение</b> |                      |  | <b>Раздел 3. Illumination</b>   |                                 |                   |                         |                              |
|                                   |                      | <b>1. Монтажные работы</b>   | <b>1. Installation works</b>  |                                 |                   |                         |                              |
| 1                                 | М8-403-3             | Прокладка проводов под штукатурку  | Laying of wires (cables) under plastering   | м / m                           | 50                |                         |                              |
| 2                                 | М8-591-2             | Выключатель однополюсный при скрытой проводке  | Monopolar switch with interior wiring   | шт/nos                          | 6                 |                         |                              |
| 3                                 | М8-593-6             | Светильник для энергосберегающих ламп настенный и потолочный - одноламповый                                | Luminaire energy-efficient lamps at walls and ceiling - single bulb type                                    | шт/nos                          | 8                 |                         |                              |

| № пп   | Шифр / Justification | Наименование работ и затрат                             | Description   | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|---|---|-------------------|-------------------|-------------------------|------------------------------|
| 4  | M8-526-1             | Выключатель автоматический АП50-2МТ                     | Automatic switch AP50-2MT   | шт/nos            | 1                 |                         |                              |
|  |                      | <b>2. Материалы не учтенные ценником</b>                | <b>2. Materials, not considered in a price list</b>                     |                   |                   |                         |                              |
| 5  |                      | Выключатель АП 50-2МТ                                   | Automatic switch AP50-2MT   | шт/nos            | 1                 |                         |                              |
| 6  |                      | Светильник НБО-07-60                                    | Lamp NBO -07-60   | шт/nos            | 4                 |                         |                              |
| 7  |                      | Светильник потолоч.НПО 01-100                           | Ceiling Lamp NPO 01-100   | шт/nos            | 4                 |                         |                              |
| 8  |                      | Лампа энергосберегающее на 20 Вт                        | Lamp energy-efficient 20V   | шт/nos            | 4                 |                         |                              |
| 9  |                      | Лампа энергосберегающее на 30 Вт                        | Lamp energy-efficient 20V   | шт/nos            | 4                 |                         |                              |
| 10   |                      | Выключатель однополюсной для скрытой установки          | Hidden installed monopolar switch                                       | шт/nos            | 6                 |                         |                              |
| 11   |                      | Коробка для установки выключателей и розеток КУВ-1МУХЛ3 | Case for installation means of switches and rose, KUV-1MUHL3            | шт/nos            | 6                 |                         |                              |
| 12   |                      | Коробка ответвительная У-194МУХЛ2                       | Branching BOX U-194MUHL2  | шт/nos            | 12                |                         |                              |
| 13   |                      | Провод с медными жилами ППВ сеч2*2,5 мм2                | Wire with copper seams PPV. Cut 2*2,5 mm <sup>2</sup>                   | м / m             | 15                |                         |                              |
| 14   |                      | Провод с медными жилами ППВ сеч3*2,5 мм2                | Wire with copper seams PPV. Cut 3*2,5 mm <sup>2</sup>                   | м / m             | 35                |                         |                              |
|  |                      | <b>Итого по разделу 3</b>                               | <b>Section 3 total cost:</b>  |                   |                   |                         |                              |
| <b>Всего по разделам 1-3:</b>                                  |                      |   | <b>Total for section 1-3:</b>   |                   |                   |                         |                              |
| Административные затраты и прибыль подрядчика от прямых затрат |                      |   | Administration inputs and profit of contractor from direct work inputs: |                   | %                 |                         |                              |
| <b>ВСЕГО по локальному смету 2-2:</b>                          |                      |   | <b>Total on lokal BOQ 2-2:</b>  |                   |                   |                         |                              |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

\_\_\_\_\_  
Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_  
Signature of Bidder

Stamp

**Cost estim 2-3 Sewerage pumping station**  
**Локальная смета 2-3 Канализационная насосная станция**

| № пп                                     | Шифр / Justification | Наименование работ и затрат   | Description  | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|---|--|-------------------|-------------------|-------------------------|------------------------------|
| <b>Раздел 1. Общестроительные работы</b> |                      |   | <b>Division 1. General-construction works</b>  |                   |                   |                         |                              |
|  |                      | <b>1. Земляные работы</b>   | <b>Section 1. Earth Works</b>  |                   |                   |                         |                              |
| 1  | ЭСН1-3-14            | Разработка грунта в отвал экскаваторами "драглайн" или "обратная лопата" с ковшом вместимостью 0,5 (0,5-0,63) м3, гр. грунтов 2                       | the development of soil into the refuse by excavators "drag line" or "reverse shovel" with ladle by capacity 0,5 (0,5-0,63) [m]3, deg. soils 2                                       | м³ / m³           | 570               |                         |                              |
| 2  | ЭСН1-192-2           | Доработка грунта вручную в траншеях глубиной до 2 м без креплений с откосами, группа грунтов 2  | modifications of soil by hand in the trenches with depth to 2 m without the fastenings with the slopes, the group of soils 2   | м³ / m³           | 6                 |                         |                              |
| 3  | ЭСН1-30-6            | Разработка грунта с перемещением до 10 м бульдозерами мощностью 79 (108) кВт (л.с.), 2 группа грунтов   | developments of soil with the displacement to 10 m by the bulldozers with a power 79 (108) of kW (hp), 2 groups of soils   | м³ / m³           | 200               |                         |                              |
| 4  | ЭСН1-30-6            | Перемещение грунта во временный отвал до 10 м бульдозерами мощностью 79 (108) кВт (л.с.), 2 группа грунтов  | the displacement of soil into the temporary refuse to 10 m by the bulldozers with a power 79 (108) of kW (hp), 2 groups of soils   | м³ / m³           | 390               |                         |                              |
| 5  | ЭСН1-30-14           | При перемещении грунта на каждые последующие 10 м добавлять к норме 1-30-6  | with the displacement of soil to each subsequent 10 m to add to the standard 1-30-6  | м³ / m³           | 390               |                         |                              |
| 6  | ЭСН1-33-5            | Засыпка траншей и котлованов с перемещением грунта до 5 м бульдозерами мощностью 79 (108) кВт (л.с.), 2 группа грунтов                                | filling in of trenches and foundation areas with the displacement of soil to 5 m by the bulldozers with a power 79 (108) of kW (hp), 2 groups of soils                               | м³ / m³           | 410               |                         |                              |
| 7  | ЭСН1-160-1           | Уплотнение грунта пневматическими трамбовками, группа грунтов 1, 2  | soil compaction by pneumatic rams, the group of soils 1, 2   | м³ / m³           | 5                 |                         |                              |
| 8  | ЭСН1-196-3           | Засыпка вручную траншей, пазух котлованов и ям, группа грунтов 3  | fillings in by hand of trenches, cavities of foundation areas and pits, the group of soils 3   | м³ / m³           | 5                 |                         |                              |
|  |                      | <b>2. Приемный резервуар ж/бетонной насосной станции</b>  | <b>2. The receiving reservoir of the [zh] / [betonnoy] pumping plant</b>   |                   |                   |                         |                              |
| 9  | ЭСН6-1-1             | Устройство бетонной подготовки  | the device of concrete preparation   | м³ / m³           | 0.6               |                         |                              |
| 10                                       | E27-53-1             | Устройство покрытия толщиной 4 см из горячих асфальтобетонных смесей плотных мелкозернистых плотность каменных материалов 2,5-2,9 т на м3 типа абв    | the device of the coating with a thickness of 4 cm from the hot asphalt-concrete mixtures of dense fine-grained the density of rock materials 2,5-2,9 t to [m]3 of the type of [abv] | м² / m²           | 5.7               |                         |                              |
| 11                                       | E27-54-1             | При изменении толщины на 0,5 см исключать или добавлять к смесям плотным мелкозернистым типа а,б,в,с с плотностью каменных материалов 2,5-2,9 т на м3 | with a change in the thickness on 0,5 cm to exclude or to add to the mixtures by dense fine-grained of the type A, B, C, [s] with a density of rock materials of 2,5-2,9 t to [m]3   | м² / m²           | 5.7               |                         |                              |
| 12                                       | ЭСН6-62-1            | Устройство монолитных железобетонных стен и плоских днщ при толщине до 150 мм круглых сооружений  | the device of monolithic ferroconcrete walls and flat bottoms with the thickness to 150 mm of round construction   | м³ / m³           | 4.71              |                         |                              |

| № пп  | Шифр / Justification | Наименование работ и затрат  | Description  | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|---|----------------------|--|--|-------------------|-------------------|-------------------------|------------------------------|
| 13  | E45-76-1             | Изготовление и установка скоб и анкеров для армирования бетона   | production and the installation of clamps and anchors for the reinforcement of concrete  | тн / t            | 0.0198            |                         |                              |
| 14  | ЭСН6-5-1             | Устройство набетонки из БМ-100   | the device of [nabetonki] from [BM]-100  | м³ / m³           | 0.52              |                         |                              |
| 15  | ЭСН6-13-2            | Подливка для создания уклона толщиной 20мм   | dressing for creating the incline with the thickness of 20[mm]   | м² / m²           | 4                 |                         |                              |
| 16  | ЭСН8-3-7             | Гидроизоляция боковая обмазочная битумная в 2 слоя по выравненной поверхности бутовой кладки, кирпичу, бетону            | waterproofing is lateral coating bituminous into 2 layers on the equalized surface of rubble masonry, the brick, the concrete                            | м² / m²           | 55                |                         |                              |
| 17  | ЭСН6-41-1            | Устройство монолитных железобетонных перекрытий безбалочных толщиной до 200 мм, на высоте от опорной площади до 6 м П-1  | the device of monolithic reinforced concrete floor of girderless with a thickness of up to 200 mm, at the height from the bearing surface to 6 m P -1    | м³ / m³           | 0.8               |                         |                              |
| 18  | E22-41-1             | Устройство круглых колодцев из сборного железобетона в грунтах сухих (приёмный резервуар насосной станции)               | the device of round wells from the precast reinforced concrete in the soils of dry (receiving reservoir of pumping plant)                                | м³ / m³           | 1.75              |                         |                              |
| 19  | E22-41-1             | Устройство круглых колодцев из сборного железобетона в грунтах сухих (камера отключения)                                 | the device of round wells from the precast reinforced concrete in the soils of dry (camera of turning off)   | м³ / m³           | 1.74              |                         |                              |
| 20  | E22-41-1             | Устройство круглых колодцев из сборного железобетона в грунтах сухих (колодец с арматурой)                               | the device of round wells from the precast reinforced concrete in the soils of dry (well with reinforcement)   | м³ / m³           | 1.44              |                         |                              |
| 21  | СРЦ                  | Труба стальная диам.150мм (сальник)  | pipe steel [diam].150[mm] (stuffing box)   | м / m             | 0.3               |                         |                              |
| 22  | СРЦ                  | Труба стальная диам.50мм   | pipe steel [diam].50[mm]   | м / m             | 2.5               |                         |                              |
| 23  | ЭСН6-5-1             | Устройство бетонных фундаментов общего назначения объемом до 5 м³ под шкаф управления и под колонку управления задвижкой | the device of the concrete foundations of the general purpose with volume to 5 [m]³ under the cabinet of control and under the column of control of bolt | м³ / m³           | 0.32              |                         |                              |
| 24  | ЭСН6-41-1            | Устройство монолитных железобетонных перекрытий безбалочных толщиной до 200 мм, на высоте от опорной площ. до 6 м ПМ-1   | the device of monolithic reinforced concrete floor of girderless with a thickness of up to 200 mm, at the height from the bearing surface to 6 m [PM]-1  | м³ / m³           | 0.65              |                         |                              |
|   |                      | <b>3. Опорная конструкция для стали</b>  | <b>3. Supporting structure for steel</b>   |                   |                   |                         |                              |
| 25  | ЭСН9-37-4            | Монтаж опорных конструкций подвесок и хомутов для крепления трубопроводов внутри зданий и сооружений                     | the installation of the supporting structures of suspensions and yokes for fastening of conduits inside the buildings and construction                   | тн / t            | 0.6743            |                         |                              |
|   |                      | <b>Итого по разделу 1</b>  | <b>Section 1 total cost:</b>   |                   |                   |                         |                              |
| <b>Раздел 2. Электрооборудование и электроосвещение</b> |                      |  | <b>Division 2. Electrical equipment and electric lighting</b>  |                   |                   |                         |                              |
|   |                      | <b>1. Монтажные работы</b>   | <b>1. Installation works</b>   |                   |                   |                         |                              |
| 26  | M8-102-1             | Система управления Сауна-Каскад  | administration system Sauna-cascade  | шкаф /box         | 2                 |                         |                              |
| 27  | M08-81-1             | Датчик уровня  | the sensor of the level  | шт/nos            | 2                 |                         |                              |
| 28  | M8-403-3             | Провод в защитной оболочке в комплекте с Каскадом  | wire in the shielding shell in the complete set with the cascade   | м / m             | 70                |                         |                              |

| № пп | Шифр / Justification | Наименование работ и затрат   | Description   | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|------|----------------------|---|---|-------------------|-------------------|-------------------------|------------------------------|
| 29   | M8-401-1             | Кабели с креплением накладными скобами, полосками с установкой ответвительных коробок. Кабель 2-4- жильный сечением жилы до 16 мм2  | cables with the fastening by additional clamps, the strips with the installation of branch boxes. Cable 2-4- is vein with the section of vein to 16 [mm]2 | м / м             | 4                 |                         |                              |
| 30   | M8-481-20            | Подготовка к включению аппаратов и приборов   | preparation for the engaging of the apparatus and instruments   | шт/nos            | 2                 |                         |                              |
| 31   | M8-526-2             | Ящик управления на стойках  | the box of administration on the counters   | шт/nos            | 2                 |                         |                              |
| 32   | M8-410-1             | Труба полиэтиленовая по основанию пола, диаметр 40мм  | pipe polyethylene for the base of floor, the diameter of 40[mm]   | м / м             | 8                 |                         |                              |
| 33   | M8-412-2             | Затягивание проводов в проложенные трубы . Провод первый одножильный или многожильный в общей оплетке, суммарное сечение, мм2, до 6 | the pulling of wires into the laid pipes. Wire the first is singlecore or is multiple-strand in the common braiding, summary section, [mm]2, to 6         | м / м             | 24                |                         |                              |
| 34   | M8-412-2             | Затягивание проводов в металлорукав   | pulling of wires into the metal hose  | м / м             | 98                |                         |                              |
| 35   | M8-525-1             | Выключатель автоматический на 25А   | switch automatic to 25[A]   | шт/nos            | 3                 |                         |                              |
| 36   | M8-525-1             | Тумблер переключатель   | toggle switch switch  | шт/nos            | 2                 |                         |                              |
| 37   | ГЭСНм08-03-530-01    | Пускатель магнитный общего назначения отдельностоящий, устанавливаемый на конструкции на полу на ток, А, до 40                      | the starter magnetic of the general purpose [otdelnostoyashchiy], installed on the construction on the floor to the current, A, to 40                     | шт/nos            | 2                 |                         |                              |
| 38   | ГЭСНм08-03-530-01    | Амперметр   | ammeter   | шт/nos            | 2                 |                         |                              |
| 39   | M8-593-10            | Лампа сигнальная  | lamp signal   | шт/nos            | 2                 |                         |                              |
| 40   | M8-525-1             | Пакетно-кулачковый переключатель  | Package- cam switch   | шт/nos            | 2                 |                         |                              |
| 41   | M8-403-3             | Провод АППВ 1х2,5мм2  | the wire [APPV] of 1[kh]2,5[mm]2  | м / м             | 40                |                         |                              |
| 42   | M8-401-1             | Кабели с креплением накладными скобами, полосками с установкой ответвительных коробок. Кабель 2-4- жильный сечением жилы до 16 мм2  | cables with the fastening by additional clamps, the strips with the installation of branch boxes. Cable 2-4- is vein with the section of vein to 16 [mm]2 | м / м             | 8                 |                         |                              |
|      |                      | <b>2. Материалы не учтенные ценником</b>  | <b>2. Materials not taken into account by price list</b>  |                   |                   |                         |                              |
| 43   |                      | Система управления Сауна-Каскад   | administration system Sauna-cascade   | шт/nos            | 2                 |                         |                              |
| 44   |                      | Датчик уровня   | the sensor of the level   | шт/nos            | 2                 |                         |                              |
| 45   |                      | Провод ПВ сеч.2,5мм2  | Of [provovd] [PV] of [sech].2, 5[mm]2   | м / м             | 70                |                         |                              |
| 46   |                      | Кабель ВВГ 3х4мм2   | the cable [VVG] of 3[kh]4[mm]2  | м / м             | 8                 |                         |                              |
| 47   |                      | Ящик управления на стойках  | the box of administration on the counters   | шт/nos            | 2                 |                         |                              |
| 48   |                      | Труба диам. 40мм  | pipe diam. 40мм   | м / м             | 8                 |                         |                              |
| 49   |                      | Выключатель автоматический  | Switch is automatic   | шт/nos            | 2                 |                         |                              |
| 50   |                      | Тумблер переключатель   | toggle switch switch  | шт/nos            | 2                 |                         |                              |
| 51   |                      | Выключатель автоматический  | switch  | шт/nos            | 1                 |                         |                              |
| 52   |                      | Пускатель магнитный   | the automatic starter magnetic  | шт/nos            | 2                 |                         |                              |
| 53   |                      | Пакетно-кулачковый переключатель  | Package- cam switch   | шт/nos            | 2                 |                         |                              |

| № пп   | Шифр / Justification | Наименование работ и затрат  | Description  | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|--|--|-------------------|-------------------|-------------------------|------------------------------|
| 54   |                      | Датчик уровня поплавковый  | the sensor of level float  | шт/nos            | 3                 |                         |                              |
|  |                      | <b>Итого по разделу 2</b>  | <b>Section 2 total cost:</b>   |                   |                   |                         |                              |
| <b>Раздел 3. Оборудование КНС</b>                              |                      |  | <b>Section 3. Equipment [KNS]</b>  |                   |                   |                         |                              |
|  |                      | <b>1. Монтажные работы</b>   | <b>1. Installation works</b>   |                   |                   |                         |                              |
| 55   | E18-13-1             | Установка насосов центробежных моноблочных погружных ЦМК-7.16  | the installation of the pumps of centrifugal monoblock immersion [TSMK]-7.16   | шт/nos            | 2                 |                         |                              |
| 56   | Ц12-2-19             | Трубопроводы в помещениях или на открытых площадках в пределах цехов, монтируемые из готовых узлов, на условное давление не более 2.5 МПа. Диаметр трубопровода наружный, мм 219 | conduits in the accomodations or on the open areas in the limits of shops, mounted from the finished units, to the conditional pressure is not more than 2.5 MPa. The diameter of conduit external, mm 219   | м / m             | 5                 |                         |                              |
| 57   | Ц12-2-7              | Трубопроводы в помещениях или на открытых площадках в пределах цехов, монтируемые из готовых узлов, на условное давление не более 2.5 МПа. Диаметр трубопровода наружный, мм 89  | conduits in the accomodations or on the open areas in the limits of shops, mounted from the finished units, to the conditional pressure is not more than 2.5 MPa. The diameter of conduit is external, mm 89 | м / m             | 23.8              |                         |                              |
| 58   | Ц12-790-7            | Арматура для воды и пара на условное давление 6,3 МПа с ручным приводом. Диаметр условного прохода, мм 150   | steel framework for the water and pair to the conditional pressure 6,3 MPa with the hand drive. Diameter of internal diameter, mm 150  | шт/nos            | 1                 |                         |                              |
| 59   | Ц12-790-4            | Арматура для воды и пара на условное давление 6,3 МПа с ручным приводом. Диаметр условного прохода, мм 80  | steel frameworks for the water and pair to the conditional pressure 6,3 MPa with the hand drive. The diameter of internal diameter, mm 80  | шт/nos            | 2                 |                         |                              |
| 60   | Ц12-796-8            | Клапаны стальные низкого давления. Диаметр условного прохода, мм 80  | valves are steel of low pressure. The diameter of internal diameter, mm 80   | шт/nos            | 2                 |                         |                              |
| 61   | ФЕРм12-15-003-04     | Электроприводы колонковые, масса, кг 209   | electric drives are column, mass, kgf 209  | тн / t            | 0.209             |                         |                              |
| 62   | E18-22-2             | Установка манометров с трехходовым краном  | the installation of manometers with the three-way cock   | компл /set        | 2                 |                         |                              |
| 63   | E13-16-6             | Огрунтовка металлических поверхностей за один раз грунтовкой гф-021  | Of [ogruntovka] of metallic surfaces one time by the priming of [gf]-021   | м² / m²           | 30                |                         |                              |
| 64   | СРЦ                  | Таль ручная  | pulley block is manual   | шт/nos            | 1                 |                         |                              |
|  |                      | <b>Итого по разделу 3</b>  | <b>Section 3 total cost:</b>   |                   |                   |                         |                              |
| <b>Всего по разделам 1-3:</b>                                  |                      |  | <b>Total for section 1-3:</b>  |                   |                   |                         |                              |
| Административные затраты и прибыль подрядчика от прямых затрат |                      |  | Administration inputs and profit of contractor from direct work inputs:  |                   | %                 |                         |                              |
| <b>ВСЕГО по локальному смету 2-3:</b>                          |                      |  | <b>Total on lokal BOQ 2-3:</b>   |                   |                   |                         |                              |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

\_\_\_\_\_  
Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_

Signature of Bidder

Stamp



**Cost estim 2-4      Water tower**  
**Локальная смета 2-4    Водонапорная башня**

| № пп  | Шифр / Justification | Наименование работ и затрат   | Description   | Един. изм. / Unit               | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|---|----------------------|---|---|---------------------------------|-------------------|-------------------------|------------------------------|
| <b>Раздел 1. Земляные работы</b>                  |                      |   | <b>Division 1. Earthwork</b>  |                                 |                   |                         |                              |
| 1   | ЭСН1-3-14            | Разработка грунта в отвал экскаваторами "драглайн" или "обратная лопата" с ковшом вместимостью 0,5 (0,5-0,63) м <sup>3</sup> , группа грунтов 2 | the development of soil into the refuse by excavators "drag line" or "reverse shovel" with the ladle by capacity 0,5 (0,5-0,63) [m] <sup>3</sup> , the group of soils 2 | м <sup>3</sup> / m <sup>3</sup> | 219               |                         |                              |
| 2   | ЭСН1-191-8           | Доработка грунта вручную  | modifications of soil by hand   | м <sup>3</sup> / m <sup>3</sup> | 16                |                         |                              |
| 3   | ЭСН1-30-6            | Перемещение грунта во временный отвал до 10 м бульдозерами мощностью 79 (108) кВт (л.с.), 2 группа грунтов                                      | the displacement of soil into the temporary refuse to 10 m by the bulldozers with a power 79 (108) of kW (hp), 2 groups of soils  | м <sup>3</sup> / m <sup>3</sup> | 131               |                         |                              |
| 4   | ЭСН1-172-5           | Планировка площадей ручным способом, группа грунтов 2   | the planning of areas by hand, the group of soils 2   | м <sup>2</sup> / m <sup>2</sup> | 61                |                         |                              |
| 5   | ЭСН1-165-1           | Устройство грунтовых подушек на просадочных грунтах методом послойной укатки  | device of ground pillows on the settled earth by the method of layered rolling  | м <sup>3</sup> / m <sup>3</sup> | 104               |                         |                              |
| 6   | ЭСН1-30-6            | Перемещение грунта их временного отвала до 10 м бульдозерами мощностью 79 (108) кВт (л.с.), 2 группа грунтов                                    | the displacement of the soil of their temporary refuse to 10 m by the bulldozers with a power 79 (108) of kW (hp), 2 groups of soils                                    | м <sup>3</sup> / m <sup>3</sup> | 131               |                         |                              |
| 7   | ЭСН1-33-5            | Засыпка траншей и котлованов с перемещением грунта до 5 м бульдозерами мощностью 79 (108) кВт (л.с.), 2 группа грунтов                          | the filling in of trenches and foundation areas with the displacement of soil to 5 m by the bulldozers with a power 79 (108) of kW (hp), 2 groups of soils              | м <sup>3</sup> / m <sup>3</sup> | 92                |                         |                              |
| 8   | ЭСН1-160-1           | Уплотнение грунта пневматическими трамбовками, группа грунтов 1, 2  | soil compaction by pneumatic rams, the group of soils 1, 2  | м <sup>3</sup> / m <sup>3</sup> | 92                |                         |                              |
| 9   | ЭСН1-196-2           | Обратная засыпка грунта вручную с уплотнением   | the back filling of soil by hand with the packing   | м <sup>3</sup> / m <sup>3</sup> | 39                |                         |                              |
|   |                      | <b>Итого по разделу 1</b>   | <b>Subtotal for 1</b>   |                                 |                   |                         |                              |
| <b>Раздел 2. Фундаменты</b>                       |                      |   | <b>Division 2. Foundations</b>  |                                 |                   |                         |                              |
| 10  | ЭСН6-1-19            | Устройство фундаментных плит железобетонных с ребрами вверх   | the device of the base plates of ferroconcrete with the edges upward  | м <sup>3</sup> / m <sup>3</sup> | 12.82             |                         |                              |
|   | СРЦ                  | Арматура класса А-III   | Steel bar, class A-III  | тн / t                          | 0.5626            |                         |                              |
|   | СРЦ                  | Арматура класса А-I   | Steel bar, class A-I  | тн / t                          | 0.044             |                         |                              |
|   |                      | <b>Итого по разделу 2</b>   | <b>Subtotal for 2</b>   |                                 |                   |                         |                              |
| <b>Раздел 3. Каркас под металлическую емкость</b> |                      |   | <b>Division 3. Body under the metallic wiring capacitance</b>   |                                 |                   |                         |                              |
| 15  | ЭСН9-56-3            | Монтаж опорной конструкций, закрепляемой на фундаментах для металлической ёмкости   | of the supporting of structures, attached on the foundations for the metallic wiring capacitance  | тн / t                          | 2.711             |                         |                              |

| №<br>пп  | Шифр /<br>Justification | Наименование работ и затрат   | Description   | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|--|-------------------------|---|---|-------------------------|---------------------|--------------------------------|------------------------------------|
| 16   | ЭСН9-33-1               | Монтаж площадок с настилом и ограждением из листовой, рифленой, просечной и круглой стали | of areas with the flooring and enclosure from the sheet, the chequered, the dinking and the round they became | тн / t                  | 1.15                |                                |                                    |
| 17   | ЭСН9-10-1               | Монтаж резервуаров стальных вертикальных цилиндрических вместимостью 15 м3                | the installation of the reservoirs of steel vertical cylindrical by the capacity of 15 [m]3                   | тн / t                  | 2.59                |                                |                                    |
| 18   | ЭСН9-32-1               | Монтаж лестниц прямолинейных и криволинейных, пожарных с ограждением                      | the installation of the stairs of rectilinear and curvilinear, firemen with the enclosure                     | тн / t                  | 0.267               |                                |                                    |
| 19   | ЭСН13-11-4              | Огрунтовка металлических поверхностей за один раз грунтовкой ГФ-021                       | Of [ogruntovka] of metallic surfaces one time by priming [GF]-021   | м² / m²                 | 223                 |                                |                                    |
| 20   | ЭСН13-13-26             | Окраска металлических огрунтованных поверхностей эмалью ПФ-115                            | painting the metallic [ogruntovannykh] surfaces with enamel pF -115   | м² / m²                 | 223                 |                                |                                    |
|  |                         | <b>Итого по разделу 3</b>   | <b>Subtotal for 3</b>   |                         |                     |                                |                                    |
| <b>Всего по разделам 1-3:</b>                                  |                         |   | <b>Total for section 1-3:</b>   |                         |                     |                                |                                    |
| Административные затраты и прибыль подрядчика от прямых затрат |                         |   | Administration inputs and profit of contractor from direct work inputs:                                       |                         | %                   |                                |                                    |
| <b>ВСЕГО по локальному смету 2-4:</b>                          |                         |   | <b>Total on lokal BOQ 2-4:</b>  |                         |                     |                                |                                    |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

\_\_\_\_\_  
Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_

Signature of Bidder

Stamp

**Cost estim 2-5 Fire reservoir with capacity 50m3 -2items**  
**Локальная смета 2-5 Пожарный резервуар на 50 м3 -2 шт.**

| № пп                             | Шифр / Justification | Наименование работ и затрат  | Description   | Един. изм. / Unit | Кол-во /Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|----------------------------------|----------------------|--|---|-------------------|------------------|-------------------------|------------------------------|
| <b>Раздел 1. Земляные работы</b> |                      |  | <b>Division 1. Earthwork</b>  |                   |                  |                         |                              |
| 1                                | ЭСН1-3-14            | Разработка грунта в отвал экскаваторами "драглайн" или "обратная лопата" с ковшом вместимостью 0,5 (0,5-0,63) м3, групп. грунтов 2 | the development of soil into the refuse by excavators "drag line" or "reverse shovel" with the ladle by capacity 0,5 (0,5-0,63) [m]3, [grup]. soils 2   | м³ / m³           | 104              |                         |                              |
| 2                                | ЭСН1-191-8           | Доработка грунта вручную   | modifications of soil by hand   | м³ / m³           | 8                |                         |                              |
| 3                                | ЭСН1-172-5           | Планировка площадей ручным способом, группа грунтов 2  | the planning of areas by hand, the group of soils 2   | м² / m²           | 21               |                         |                              |
| 4                                | ЭСН1-33-5            | Засыпка траншей и котлованов с перемещением грунта до 5 м бульдозерами мощностью 79 (108) кВт (л.с.), 2 группа грунтов             | fillings in of trenches and foundation areas with the displacement of soil to 5 m by the bulldozers with a power 79 (108) of kW (hp), 2 groups of soils | м³ / m³           | 67               |                         |                              |
| 5                                | ЭСН1-160-1           | Уплотнение грунта пневматическими трамбовками, группа грунтов 1, 2   | soil compaction by pneumatic rams, the group of soils 1, 2  | м³ / m³           | 67               |                         |                              |
| 6                                | ЭСН1-196-2           | Обратная засыпка грунта вручную с уплотнением  | the back filling of soil by hand with the packing   | м³ / m³           | 7                |                         |                              |
| 7                                | ЭСН1-13-13           | Подача грунта экскаватором с ковш. емк. 0,5м3 на покрытие резервуара   | the supply of soil by excavator ladle. cap. 0,5[m]3 for coating of reservoir  | м³ / m³           | 110              |                         |                              |
| 8                                | ЭСН1-13-13           | Обвалование резервуара мех. способом   | the banking up of the reservoir of mech. by method  | м³ / m³           | 110              |                         |                              |
| 9                                | ЭСН1-160-1           | Уплотнение грунта пневматическими трамбовками, группа грунтов 1, 2   | soil compaction by pneumatic rams, the group of soils 1, 2  | м³ / m³           | 110              |                         |                              |
| 10                               | ЭСН1-161-1           | Полив водой уплотняемого грунта насыпей  | glazes by water of the [uplotnyaemogo] soil of mounds   | м³ / m³           | 110              |                         |                              |
| 11                               | ЭСН1-172-5           | Планировка площадей ручным способом, группа грунтов 2  | the planning of areas by hand, the group of soils 2   | м² / m²           | 102              |                         |                              |
| 12                               | ЭСН1-180-1           | Укрепление насыпи посевом многолетних трав вручную   | strengthening mound by sowing perennial grasses by hand   | м² / m²           | 102              |                         |                              |
| 13                               | ЭСН47-60-2           | Заготовка растительной земли вручную   | the billet of the plant earth by hand   | м³ / m³           | 13.9             |                         |                              |
| 14                               | тариф на перевозку   | Транспортировка растительной земли с погрузкой -3км  | the transport of the plant earth with loading of -3[km]   | t/km              | 22.24            |                         |                              |
| 15                               | ЭСН1-181-1           | Полив посевов трав водой   | of the glazes of sowings of grasses by water  | м² / m²           | 102              |                         |                              |
| 16                               | ЭСН1-13-13           | Разработка недостающего грунта 1 гр экскаватором с ковш. емк. 0,5м3 с погрузкой на а/самосвалы                                     | the development of the missing soil 1 deg by excavator ladle. cap. 0,5[m]3 with the loading to [a]/[samosvaly]  | м³ / m³           | 72               |                         |                              |
| 17                               | тариф на перевозку   | Транспортировка грунта - 3 км  | the transport of soil - 3 km  | тн/км - t/km      | 130              |                         |                              |

| № пп   | Шифр / Justification | Наименование работ и затрат   | Description   | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|---|---|-------------------|-------------------|-------------------------|------------------------------|
|  |                      | <b>Итого по разделу 1:</b>  | <b>Subtotal for 1</b>   |                   |                   |                         |                              |
| <b>Раздел 2. Бетонные и железобетонные конструкции</b> |                      |   | <b>Division 2. Concrete and ferroconcrete constructions</b>   |                   |                   |                         |                              |
| 18   | ЭСН1-160-1           | Уплотнение грунта пневматическими трамбовками, группа грунтов 1, 2  | soil compaction by pneumatic rams, the group of soils 1, 2  | м³ / m³           | 15.22             |                         |                              |
| 19   | ЭСН11-13-3           | Устройство подготовки щебеночной с пропиткой битумом  | device of the preparation of crushed stone with the impregnation with bitumen   | м² / m²           | 38                |                         |                              |
| 20   | ЭСН6-1-1             | Устройство бетонной подготовки М 50 толщ. 80 мм по водонепроницаемости W6   | the device of the concrete preparation M of 50 [tolshch]. 80 mm on the waterproofness W6  | м³ / m³           | 3.04              |                         |                              |
| 21   | ЭСН6-62-4            | Устройство плоских стен и днища резервуара из железобетона толщ. 200 мм по водонепроницаемости W6 из бетона класса В-15 / БМ-20 | the device of flat walls and bottom of reservoir from the reinforced concrete M of 200 thicknesses. 200 mm on the waterproofness W6 | м³ / m³           | 19                |                         |                              |
| 22   | СРЦ                  | Арматура класса А-III   | Steel bar, class A-III  | тн / t            | 0.45              |                         |                              |
| 23   | СРЦ                  | Арматура класса А-I   | Steel bar, class A-I  | тн / t            | 0.742             |                         |                              |
| 24   | ЭСН6-15-7            | Установка закладных деталей весом до 4 кг   | the installation of the inset components with a weight of up to 4 kgf   | тн / t            | 0.024             |                         |                              |
| 25   | ЭСН11-11-1           | Стяжки из цем. раствора толщ. 20мм для создания уклона  | of tightening device from [tsem]. the solution of thicknesses. 20[mm] for creating the incline                                      | м² / m²           | 15.4              |                         |                              |
| 26   | ЭСН11-15-8           | Железнение цементных покрытий   | the iron plating of cement coatings   | м² / m²           | 15.4              |                         |                              |
| 27   | ЭСН8-3-1             | Горизонтальная гидроизоляция из цем.-песчаного раствора состава 1:2, толщ. слоя 5 мм под плиты перекрытия                       | horizontal waterproofing from [tsem]. - the sandy solution of composition 1:2, [tolshch]. [sloya] 5 mm under the plates of overlap  | м² / m²           | 12                |                         |                              |
| 28   | ЭСН7-27-1            | Укладка плит покрытий площ. до 10 м² марки 2 ПГ6-3А   | piling the flooring slabs of [ploshch]. to 10 [m]² of the stamp of 2 [PG]6-3[A]   | шт/nos            | 2                 |                         |                              |
| 29   | ЭСН6-15-7            | Установка закладных деталей весом до 4 кг   | the installation of the inset components with a weight of up to 4 kgf   | тн / t            | 0.026             |                         |                              |
| 30   | ЭСН7-63-2            | Установка опор из плит и колец диаметром более 1000 мм  | the installation of supports of the plates and rings by diameter is more than 1000 mm   | м³ / m³           | 0.65              |                         |                              |
| 31   | ЭСН6-35-1            | Обетонирование камер и труб воздуховода на покрытии из бетона М 200 по водонепроницаемости W6                                   | concreting cameras and pipes of air duct on [pokrytii] from the concrete M 200 on the waterproofness W6                             | м³ / m³           | 1.3               |                         |                              |
| 32   | ЭСН6-15-7            | Установка закладных деталей весом до 4 кг   | the installation of the inset components with a weight of up to 4 kgf   | тн / t            | 0.005             |                         |                              |
|  |                      | <b>Итого по разделу 2:</b>  | <b>Subtotal for 2:</b>  |                   |                   |                         |                              |
| <b>Раздел 3. Металлоконструкция</b>                    |                      |   | <b>Division 3. Metall works</b>   |                   |                   |                         |                              |
| 33   | ЭСН9-32-1            | Монтаж металлической стремянки СГ52   | the installation of metallic stepladder [SG]52  | тн / t            | 0.094             |                         |                              |
| 34   | ЭСН9-56-1            | Монтаж м / конструкций лазов -люков   | the installation m/of the constructions of manholes - hatchways   | тн / t            | 0.178             |                         |                              |

| № пп   | Шифр / Justification | Наименование работ и затрат   | Description  | Един. изм. / Unit               | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|---|--|---------------------------------|-------------------|-------------------------|------------------------------|
| 35   | ЭСН16-10-5           | Труба стальная электросварная d=108*3 мм для забора воздуха   | pipe steel electric welding d=108*3 mm for the air intake  | м / м                           | 2                 |                         |                              |
| 36   | ЭСН20-14-1           | Установка зонтов над шахтами из листовой стали круглого сечения диаметром 200 мм  | the installation of the umbrellas above the mines from the sheet became the round cross section with a diameter of 200 mm                        | 1 зонт/ canopy                  | 1                 |                         |                              |
| 37   | ЭСН11-4-7            | Устройство гидроизоляции обмазочной холодной асфальтовой мастикой в один слой толщиной 2 мм   | the device of waterproofing coating cold mastic asphalt into one layer with a thickness of 2 mm  | м <sup>2</sup> / м <sup>2</sup> | 68                |                         |                              |
| 38   | ЭСН11-4-8            | Устройство гидроизоляции обмазочной холодной асфальтовой мастикой на каждый последующий слой толщиной 1 мм добавлять к норме 11-4-7 к=8 | the device of waterproofing by coating cold mastic asphalt to each subsequent layer with a thickness of 1 mm to add to the standard 11-4-7 [k]=8 | м <sup>2</sup> / м <sup>2</sup> | 544               |                         |                              |
| 39   | ЭСН11-4-7            | Устройство гидроизоляции обмазочной холодной асфальтовой мастикой толщ. 2 мм по плитам покрытия   | the device of waterproofing by coating cold mastic asphalt of [tolshch]. 2 mm on the flooring slabs  | м <sup>2</sup> / м <sup>2</sup> | 21                |                         |                              |
| 40   | ЭСН11-4-8            | Устройство гидроизоляции обмазочной холодной асфальтовой мастикой на каждый последующий слой толщиной 1 мм добавлять к норме 11-4-7 к=8 | the device of waterproofing by coating cold mastic asphalt to each subsequent layer with a thickness of 1 mm to add to the standard 11-4-7 [k]=8 | м <sup>2</sup> / м <sup>2</sup> | 168               |                         |                              |
| 41   | ЭСН12-17-1           | Устройство выравнивающих стяжек цементно-песчаных толщиной 15 мм  | the device of the leveling tightening devices of cement-sand with the thickness of 15 mm   | м <sup>2</sup> / м <sup>2</sup> | 21                |                         |                              |
| 42   | ЭСН12-17-2           | Устройство выравнивающих стяжек цементно-песчаных на каждый 1 мм изменения толщины добавлять или исключать к (12-17-1) к=5              | the device of the leveling tightening devices of cement-sand to every 1 mm changes in the thickness to add or to exclude to (12-17-1) [k]=5      | м <sup>2</sup> / м <sup>2</sup> | 105               |                         |                              |
| 43   | ЭСН13-11-4           | Огрунтовка металлических поверхностей за один раз грунтовкой ГФ-021   | Of [ogruntovka] of metallic surfaces for one once by priming [GF]-021  | м <sup>2</sup> / м <sup>2</sup> | 8                 |                         |                              |
| 44   | ЭСН13-13-26          | Окраска металлических огрунтованных поверхностей эмалью ПФ-115  | painting the metallic [ogruntovannykh] surfaces with enamel pF -115  | м <sup>2</sup> / м <sup>2</sup> | 1                 |                         |                              |
| 45   | ЭСН13-13-26          | Окраска металлических огрунтованных поверхностей эмалью ПФ-115  | painting the metallic [ogruntovannykh] surfaces with enamel pF -115  | м <sup>2</sup> / м <sup>2</sup> | 8                 |                         |                              |
| 46   | ЭСН13-13-26          | Окраска металлических огрунтованных поверхностей краской ХС-710 в 4 слоя  | painting the metallic [ogruntovannykh] surfaces with paint [KHS]-710 in 4 layers   | м <sup>2</sup> / м <sup>2</sup> | 32                |                         |                              |
| 47   | ЭСН13-13-26          | Окраска металлических труб лаком ХС-76 в 3 слоя   | painting metal tubes with varnish [KHS]-76 into 3 layers   | м <sup>2</sup> / м <sup>2</sup> | 3                 |                         |                              |
|  |                      | <b>Итого по разделу 3</b>   | <b>Subtotal for 3</b>  |                                 |                   |                         |                              |
| <b>Раздел 4. Разные работы</b>                                 |                      |   | <b>Division 4. Different works</b>   |                                 |                   |                         |                              |
| 48   | ЭСН6-71-1            | Испытание емкостей на водонепроницаемость   | capacitance testing for the waterproofness   | м <sup>3</sup> / м <sup>3</sup> | 54                |                         |                              |
|  |                      | <b>Итого по разделу 4</b>   | <b>Subtotal for 4</b>  |                                 |                   |                         |                              |
|  |                      | <b>Итого по разделам 1-4</b>  | <b>Total for section 1-4</b>   |                                 |                   |                         |                              |
| <b>Всего на 2 шт:</b>  |                      |   | <b>Grand total per 2 items :</b>   |                                 |                   |                         |                              |
| Административные затраты и прибыль подрядчика от прямых затрат |                      |   | Administration inputs and profit of contractor from direct work inputs:  |                                 | %                 |                         |                              |

| №<br>пп                               | Шифр /<br>Justification | Наименование работ и затрат | Description                    | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantit<br>y | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|---------------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------|-------------------------|--------------------------------|------------------------------------|
| <b>ВСЕГО по локальному смету 2-5:</b> |                         |                             | <b>Total on lokal BOQ 2-5:</b> |                         |                         |                                |                                    |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

\_\_\_\_\_  
Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_

Signature of Bidder

Stamp

**Cost estim 2-6                      Raking to 55 [m]3**  
**Локальная смета 2-6      Выгреб на 55 м3**

| №<br>пп                          | Шифр /<br>Justification | Наименование работ и затрат  | Description  | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantit<br>y | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|----------------------------------|-------------------------|--|--|-------------------------|-------------------------|--------------------------------|------------------------------------|
| <b>Раздел 1. Земляные работы</b> |                         |  | <b>Division 1. Earthwork</b>   |                         |                         |                                |                                    |
| 1                                | ЭСН1-3-14               | Разработка грунта в отвал экскаваторами "драглайн" или "обратная лопата" с ковшом вместимостью 0,5 (0,5-0,63) м3, группа грунтов 2 | the development of soil into the refuse by excavators "drag line" or "reverse shovel" with the ladle by capacity 0,5 (0,5-0,63) [m]3, the group of soils 2 | м³ / m³                 | 637                     |                                |                                    |
| 2                                | ЭСН1-191-8              | Доработка грунта вручную   | modifications of soil by hand  | м³ / m³                 | 20                      |                                |                                    |
| 3                                | ЭСН1-30-6               | Перемещение грунта во временный отвал до 10 м бульдозерами мощностью 79 (108) кВт (л.с.), 2 группа грунтов                         | the displacement of soil into the temporary refuse to 10 m by the bulldozers with a power 79 (108) of kW (hp), 2 groups of soils                           | м³ / m³                 | 551                     |                                |                                    |
| 4                                | ЭСН1-172-5              | Планировка площадей ручным способом, группа грунтов 2  | the planning of areas by hand, the group of soils 2  | м² / m²                 | 33                      |                                |                                    |
| 5                                | ЭСН1-30-6               | Перемещение грунта из временного отвала до 10 м бульдозерами мощностью 79 (108) кВт (л.с.), 2 группа грунтов                       | displacement of soil from the temporary refuse to 10 m by the bulldozers with a power 79 (108) of kW (hp), 2 groups of soils                               | м³ / m³                 | 551                     |                                |                                    |
| 6                                | ЭСН1-33-5               | Засыпка траншей и котлованов с перемещением грунта до 5 м бульдозерами мощностью 79 (108) кВт (л.с.), 2 группа грунтов             | the filling in of trenches and foundation areas with the displacement of soil to 5 m by the bulldozers with a power 79 (108) of kW (hp), 2 groups of soils | м³ / m³                 | 386                     |                                |                                    |
| 7                                | ЭСН1-160-1              | Уплотнение грунта пневматическими трамбовками, группа грунтов 1, 2   | soil compaction by pneumatic rams, the group of soils 1, 2   | м³ / m³                 | 386                     |                                |                                    |
| 8                                | ЭСН1-196-2              | Обратная засыпка грунта вручную с уплотнением  | the back filling of soil by hand with the packing  | м³ / m³                 | 165                     |                                |                                    |
| 9                                | ЭСН1-190-2              | Устройство корыта под отмостку вручную   | the device of trough under the blind area by hand  | м³ / m³                 | 1                       |                                |                                    |

| № пп   | Шифр / Justification | Наименование работ и затрат   | Description   | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|---|---|-------------------|-------------------|-------------------------|------------------------------|
| 10   | ЭСН1-13-13           | Погрузка излишнего грунта 1 гр экскаватором с ковш. емк. 0,5м3 на а/самосвалы                                   | loading the superfluous soil 1 deg by excavator ladle. cap. 0,5[m]3 to [a]/[samovsvaly]   | м³ / m³           | 106               |                         |                              |
| 11   | тариф на перевозку   | Транспортировка грунта - 3 км   | the transport of soil - 3 km  | тн/км-т/km        | 174.9             |                         |                              |
|  |                      | <b>Итого по разделу 1:</b>  | <b>Subtotal for 1</b>   |                   |                   |                         |                              |
| <b>Раздел 2. Бетонные и железобетонные конструкции</b> |                      |   | <b>Division 2. Concrete and ferroconcrete constructions</b>   |                   |                   |                         |                              |
| 12   | ЭСН11-13-3           | Устройство подготовки щебеночной с пропиткой битумом  | the device of the preparation of crushed stone with the impregnation with bitumen   | м² / m²           | 38                |                         |                              |
| 13   | ЭСН11-2-5            | Изоляция пола выгребов мятой глиной толщ. 200мм   | the isolation of the floor of raking by pugged clay of [tolshch]. 200[mm]   | м³ / m³           | 6.88              |                         |                              |
| 14   | ЭСН6-62-4            | Устройство плоских стен и днища резервуара из железобетона В-15 (БМ-200) толщ. 200 мм по водонепроницаемости W6 | the device of flat walls and bottom of reservoir from the reinforced concrete M of 200 thicknesses. 200 mm on the waterproofness W6 | м³ / m³           | 57.03             |                         |                              |
|  | СРЦ                  | Арматура класса А-III   | Steel bar, class A-III  | тн / t            | 1.7025            |                         |                              |
|  | СРЦ                  | Арматура класса А-I   | Steel bar, class A-I  | тн / t            | 2.0151            |                         |                              |
| 17   | ЭСН6-15-7            | Установка закладных деталей весом до 4 кг   | the installation of the inset components with a weight of up to 4 kgf   | тн / t            | 0.0374            |                         |                              |
| 18   | ЭСН8-4-1             | Устройство глиняного замка под стены  | the device of clay lock under the walls   | м³ / m³           | 22.57             |                         |                              |
| 19   | ЭСН15-81-3           | Оштукатуривание поверхностей цементным раствором наружных стен  | plastering surfaces by cement mortar of external walls  | м² / m²           | 64.26             |                         |                              |
| 20   | ЭСН6-67-4            | Железнение поверхности  | the iron plating of surface   | м² / m²           | 64.26             |                         |                              |
| 21   | ЭСН15-81-3           | Оштукатуривание поверхностей цементным раствором толщ 2,5мм внутренних стен                                     | plastering surfaces by the cement mortar of the thicknesses of 2,5[mm] of internal walls  | м² / m²           | 107.46            |                         |                              |
| 22   | ЭСН6-67-4            | Железнение поверхности  | the iron plating of surface   | м² / m²           | 107.46            |                         |                              |
| 23   | ЭСН6-41-1            | Устройство монолитного железобетонного перекрытия выгребов из бетона В-15 (БМ-200)                              | the device of monolithic reinforced concrete floor of raking  | м³ / m³           | 4.92              |                         |                              |
|  | СРЦ                  | Арматура класса А-III   | Steel bar, class A-III  | тн / t            | 0.785             |                         |                              |
| 25   | ЭСН11-11-1           | Горизонтальная гидроизоляция плиты перекрытия толщиной 10 мм  | the horizontal waterproofing of the plate of the overlap with a thickness of 10 mm  | м² / m²           | 33                |                         |                              |
| 26   | ЭСН12-15-1           | Устройство пароизоляции оклеечной в один слой   | the device of the steam insulation of backing into one layer  | м² / m²           | 33                |                         |                              |
| 27   | ЭСН12-15-2           | Устройство пароизоляции оклеечной на каждый последующий слой  | the device of the steam insulation of backing to each subsequent layer  | м² / m²           | 33                |                         |                              |
| 28   | ЭСН11-11-1           | Горизонтальная гидроизоляция плиты перекрытия толщиной 20 мм  | the horizontal waterproofing of the plate of the overlap with a thickness of 20 mm  | м² / m²           | 33                |                         |                              |
| 29   | ЭСН7-63-1            | Установка колец d= до 1000 мм на сульфатостойком цементе по водонепроницаемости W6                              | the installation of rings d= to 1000 mm on the sulfate resistant cement on the waterproofness W6                                    | м³ / m³           | 0.6               |                         |                              |



| № пп   | Шифр / Justification | Наименование работ и затрат   | Description  | Един. изм. / Unit  | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|---|--|--------------------|-------------------|-------------------------|------------------------------|
| 30   | ЭСН6-35-1            | Обетонирование вентиляционных колонок и люков лаза бетоном М 200 на сульфатостойком цементе по водонепроницаемости W6 | concreting ventilation columns and hatchways of manhole by concrete M 200 on the sulfate resistant cement on [vodonepronetsaemosti] W6 | м³ / m³            | 0.6               |                         |                              |
| 31   | ЭСН23-24-1           | Установка люка  | the installation of hatchway   | шт/nos             | 2                 |                         |                              |
| 32   | ЭСН7-44-3            | Ходовые скобы   | the running clamps   | тн / t             | 0.012             |                         |                              |
| 33   | ЭСН13-11-4           | Огрунтовка металлических поверхностей за один раз грунтовкой ГФ-021   | Of [ogruntovka] of metallic surfaces one time by priming [GF]-021  | м² / m²            | 1                 |                         |                              |
| 34   | ЭСН13-13-26          | Окраска металлических огрунтованных поверхностей эмалью ПФ-115  | painting the metallic [ogruntovannykh] surfaces with enamel pF -115  | м² / m²            | 1                 |                         |                              |
| 35   | ЭСН20-17-1           | Установка дефлекторов диаметром патрубка 300 мм   | the installation of deflectors with a diameter of the branch pipe of 300 mm  | шт/nos             | 2                 |                         |                              |
| 36   | ЭСН23-2-2            | Укладка трубопроводов из асбестоцементных безнапорных труб диаметром 200 мм   | pipe-lining from the asbestos cement nonramming pipes with a diameter of 200 mm  | м / m              | 3                 |                         |                              |
| 37   | ЭСН16-32-2           | Заделка сальников при проходе труб через фундаменты или стены подвала диаметром до 200 мм                             | the closing of stuffing boxes with the passage of the pipes through foundations or walls of basement with a diameter of up to 200 mm   | Сальник / 1 gasket | 2                 |                         |                              |
|  |                      | <b>Итого по разделу 2:</b>  | <b>Subtotal for 2</b>  |                    |                   |                         |                              |
| <b>Раздел 3. Разные работы</b>                                 |                      |   | <b>Division 3. Different works</b>   |                    |                   |                         |                              |
| 38   | ЭСН6-71-1            | Испытание емкостей на водонепроницаемость   | capacitance testing for the waterproofness   | м³ / m³            | 54                |                         |                              |
| 39   | ЭСН11-2-3            | Устройство подстилающих слоев гравийных   | the device of the underlying layers of gravel  | м³ / m³            | 0.38              |                         |                              |
| 40   | ЭСН11-2-9            | Устройство подстилающих слоев бетонных  | the device of the underlying layers of concrete  | м³ / m³            | 0.38              |                         |                              |
|  |                      | <b>Итого по разделу 3:</b>  | <b>Subtotal for 3</b>  |                    |                   |                         |                              |
| <b>Всего по разделам 1-3:</b>                                  |                      |   | <b>Total for section 1-3:</b>  |                    |                   |                         |                              |
| Административные затраты и прибыль подрядчика от прямых затрат |                      |   | Administration inputs and profit of contractor from direct work inputs:  |                    | %                 |                         |                              |
| <b>ВСЕГО по локальному смету 2-6:</b>                          |                      |   | <b>Total on lokal BOQ 2-6:</b>   |                    |                   |                         |                              |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

\_\_\_\_\_  
Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_

Signature of Bidder

Stamp

**Cost estim 3-1 Transformer room**  
**Локальная смета 3-1 Трансформаторная подстанция**

| № пп                                     | Шифр / Justification | Наименование работ и затрат   | Description   | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|---|---|-------------------|-------------------|-------------------------|------------------------------|
| <b>Раздел 1. Общестроительные работы</b> |                      |   |   |                   |                   |                         |                              |
| <b>1. Земляные работы</b>                |                      |   | <b>1. Earth works</b>   |                   |                   |                         |                              |
| 1  | ЭСН1-192-3           | Разработка грунта вручную в траншеях глубиной до 2 м без креплений с откосами, группа грунтов 3                   | Manual excavation works at the trenches of 2 m depth, with no slope lining. Soil type - III                                     | м³ / m³           | 42                |                         |                              |
| 2  | ЭСН1-196-2           | Засыпка вручную траншей, пазух котлованов и ям, группа грунтов 2  | Manual backfilling of trenches and foundation pit pockets. Soil type II   | м³ / m³           | 24                |                         |                              |
| 3  | ЭСН1-196-2           | Подсыпка грунта под полы вручную, группа грунтов 2  | Bedding course (manual) of soil under floors. Soil type II  | м³ / m³           | 18                |                         |                              |
| <b>2. Фундаменты</b>                     |                      |   | <b>2. Foundation pits</b>   |                   |                   |                         |                              |
| 4  | ЭСН6-1-1             | Устройство бетонной подготовки из бетона В3,5   | Installation of concrete work B 3, 5  | м³ / m³           | 2                 |                         |                              |
| 5  | ЭСН6-1-20            | Устройство ленточных фундаментов бетонных из бетона класса В-10   | Installation of concrete strip foundation made of concrete class B-10   | м³ / m³           | 18.5              |                         |                              |
| 6  | ЭСН6-15-10           | Устройство выпусков из фундамента КФ-1  | Installation of foundation pit outlets - KF 1   | тн/ t             | 0.024             |                         |                              |
| 7  | ЭСН23-2-1            | Укладка трубопроводов из асбестоцементных безнапорных труб диаметром 100 мм                                       | Laying of asbestos-cement no pressure pipelines of 100 mm diameter  | м / m             | 74                |                         |                              |
| 8  | ЭСН22-9-Зприм        | Нанесение нормальной антикоррозионной битумно-масляной изоляции на асбестоцементные трубопроводы диаметром 100 мм | Putting of non-enhanced anticorrosive bituminous- oil isolation into asbestos-cement pipelines of 100 mm diameter               | м                 | 74                |                         |                              |
| 9  | ЭСН6-15-7            | Установка закладных деталей весом до 4 кг, из полосовой стали   | Installation of embedded parts with a mass up to 4 kg, made of strip steel  | тн/ t             | 0.0403            |                         |                              |
| 10                                       | ЭСН23-2-1            | Укладка трубопроводов из асбестоцементных безнапорных труб диаметром 100 мм                                       | Laying of asbestos-cement no pressure pipelines of 100 mm diameter  | м                 | 15                |                         |                              |
| 11                                       | ЭСН23-2-1            | Укладка трубопроводов из асбестоцементных безнапорных труб диаметром 150 мм                                       | Laying of asbestos-cement no pressure pipelines of 150 mm diameter  | м                 | 15                |                         |                              |
| 12                                       | ЭСН11-11-1           | Гидроизоляция из цементно-песчаного раствора, толщиной 20 мм  | Water-proofing made of cement-sand composite, of 20 mm thickness  | м² / m²           | 13                |                         |                              |
| 13                                       | ЭСН8-3-7             | Гидроизоляция боковая обмазочная битумная в 2 слоя  | Lateral water-proofing bitumen coating, double layer  | м² / m²           | 48                |                         |                              |
| <b>3. Перекрытие</b>                     |                      |   | <b>3. Covering</b>  |                   |                   |                         |                              |
| 14                                       | ЭСН7-91-5            | Установка панелей перекрытий с опиранием на две стороны площадью до 10 м², в районах с сейсмичностью 7-9 баллов   | Installation of covering slabs with bearing into both sides, with an area of 10 m², in a districts with 7-9 scale of seismicity | шт/nos            | 8                 |                         |                              |
| 15                                       | ЭСН6-15-7            | Установка соединительных элементов, МС1 и КР1   | Installation of the joining elements, MC1 and KR1   | тн/ t             | 0.0139            |                         |                              |

| № пп                     | Шифр /<br>Justification                  | Наименование работ и затрат   | Description   | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|--------------------------|--|---|---|-------------------------|---------------------|--------------------------------|------------------------------------|
| 16                       | ЭСН6-15-7                                | Установка узлов, 2  | Installation of the nodes, 2  | тн/ t                   | 0.0033              |                                |                                    |
| 17                       | ЭСН6-35-1                                | Устройство узлов, 17  | Installation of the nodes, 17   | м³ / m³                 | 0.97                |                                |                                    |
| 18                       | СРЦ                                      | Арматура А-I  | Armature A-I  | тн/ t                   | 0.042               |                                |                                    |
| 19                       | ЭСН6-15-7                                | Установка узлов, 30   | Installation of the nodes, 30   | тн/ t                   | 0.0149              |                                |                                    |
| 20                       | ЭСН6-15-1                                | Установка анкерных болтов в готовые гнезда с заделкой длиной до 1 м, АС1  | Installation of anchor bolts into ready housing, with further embedding up to 1m, AC1   | тн/ t                   | 0.0235              |                                |                                    |
| <b>4. Каркас и стены</b> |  |   | <b>4. Carcass and walls</b>   |                         |                     |                                |                                    |
| 21                       | ЭСН6-26-4                                | Устройство монолитных сердечников, CM1 из бетона класса В-12.5  | Installation of the monolith cores, CM1, made of concrete class B-12,5  | м³ / m³                 | 1.3                 |                                |                                    |
| 22                       | СРЦ                                      | Арматура А-II   | Armature A-II   | тн/ t                   | 0.091               |                                |                                    |
| 23                       | ЭСН6-34-9                                | Устройство перемычек из бетона класса В-15  | Installation of straight archs, made of concrete class B-15   | м³ / m³                 | 1.5                 |                                |                                    |
| 24                       | СРЦ                                      | Арматура А3   | Armature A3   | тн/ t                   | 0.12                |                                |                                    |
| 25                       | СРЦ                                      | Арматура А1   | Armature A1   | тн/ t                   | 0.058               |                                |                                    |
| 26                       | ЭСН8-11-1                                | Армирование кладки стен и других конструкций, СГ-1-СГ-7   | Reinforcement of blockwork and other structures, SG-1-SG-7  | тн/ t                   | 0.205               |                                |                                    |
| 27                       | ЭСН6-15-7                                | Установка закладных деталей весом до 4 кг, МН-1, МН-2, МН-5 и болты и т. д.   | Installation of embedded parts with a mass up to 4 kg, MN-1, MN-2, MN-5, bolts and etc...   | тн/ t                   | 0.565               |                                |                                    |
| 28                       | ЭСН9-27-1                                | Монтаж горизонтальной диафрагмы   | Installation of the horizontal curtain  | тн/ t                   | 0.196               |                                |                                    |
| 29                       | ЭСН13-11-4                               | Огрунтовка металлических поверхностей за один раз грунтовкой ГФ-021   | Priming of metallic surfaces (1 time) GF - 021  | м² / m²                 | 8                   |                                |                                    |
| 30                       | ЭСН13-13-26<br>ОЗП*2;<br>ЭМ*2;<br>ЗПМ*2; | Окраска металлических оштукатуренных поверхностей эмалью ПФ-115<br>Обоснования коэф-в:<br>Новый коэффициент (ОЗП*2; ЭМ*2; ЗПМ*2; МАТ*2) | Painting of metallic primed surfaces with enamel of PF-115<br>Justification of coefficients:<br>New coefficient (OZP*2, EM*2, ZMP*2, MAT*2) | м² / m²                 | 8                   |                                |                                    |
| 31                       | ЭСН7-97-1                                | Устройство покрытий из плит асбестоцементных  | Assembly of asbestos-cement covering slabs  | м² / m²                 | 9.68                |                                |                                    |
| 32                       | ЭСН9-39-3<br>прим                        | Ограждение помещения щита 0,4кВ сетками   | Fencing of board's (0,4 kV) facilities with wire netting  | м² / m²                 | 23                  |                                |                                    |
| 33                       | ЭСН6-15-7                                | Установка закладных деталей весом до 4 кг, МН-1   | Installation of embedded part with a mass up to 4 kg, MN-1  | тн/ t                   | 0.0088              |                                |                                    |
| 34                       | ЭСН6-15-7                                | Установка закладных деталей весом до 4 кг, МН 102-6 и т.д   | Installation of embedded part with a mass up to 4 kg, MN-102-6 and etc  | тн/ t                   | 0.0383              |                                |                                    |
| 35                       | ЭСН7-97-1                                | Устройство покрытий из плит асбестоцементных  | Assembly of asbestos-cement covering slabs  | м² / m²                 | 1.49                |                                |                                    |
| 36                       | ЭСН8-5-1                                 | Кладка стен кирпичных наружных простых при высоте этажа до 4 м  | Outer blockwork made of plain bricks, with the height of one floor ≤ 4 m  | м³ / m³                 | 44.29               |                                |                                    |

| № пп                                  | Шифр / Justification                                  | Наименование работ и затрат  | Description  | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|---------------------------------------|---|--|--|-------------------|-------------------|-------------------------|------------------------------|
| 37                                    | ЭСН8-5-7  | Кладка стен кирпичных внутренних при высоте этажа до 4 м   | Inner blockwork made of plain bricks, with the height of one floor ≤ 4 m   | м³ / m³           | 12.34             |                         |                              |
| <b>5. Покрытие подпольных каналов</b> |   |  | <b>5. Covering of underfloor (underground) channels</b>  |                   |                   |                         |                              |
| 38                                    | ЭСН7-6-4  | Монтаж плит перекрытий каналов ПК1 из бетона класса В-15   | Installation of covering slabs (PK1) to cover channels, made of concrete class B-15  | шт/nos            | 61                |                         |                              |
| 39                                    | ЭСН6-15-7   | Установка закладных деталей весом до 4 кг  | Installation of embedded part with a mass up to 4 kg   | тн/ t             | 0.0414            |                         |                              |
| 40                                    | ЭСН6-46-1   | Устройство монолитных лотков из бетона класса В-12,5   | Installation of monolith trays made of concrete class B-12,5   | м³ / m³           | 14                |                         |                              |
| 41                                    | ЭСН7-97-1   | Устройство покрытий из плит асбестоцементных   | Assebmly of asbestos-cement covering slabs   | м² / m²           | 1.48              |                         |                              |
| <b>6. Кровля</b>                      |   |  | <b>6. Roof</b>   |                   |                   |                         |                              |
| 42                                    | 6-15-8 прим   | Установка молнеприемной сетки  | Installation of lightning arrester grid  | тн/ t             | 0.018             |                         |                              |
| 43                                    | ЭСН12-17-1  | Устройство выравнивающих стяжек цементно-песчаных толщиной 15 мм   | Installation of adjusting cement-sand bracing wires, of 15 mm thickness  | м² / m²           | 52.42             |                         |                              |
| 44                                    | ЭСН12-17-2<br>ОЗП*10;<br>ЭМ*10;<br>ЗПМ*10;<br>МАТ*10; | Устройство выравнивающих стяжек цементно-песчаных на каждый 1 мм изменения толщины добавлять к (12-17-1)<br><i>Обоснования коэф-в:</i><br><i>Изменение толщины (ОЗП*10; ЭМ*10; ЗПМ*10; МАТ*10)</i> | Installation of adjusting cement-sand bracing wires. For every 1mm change in thickness, to add in accordance with 12-17-1: Justification of coefficients:<br>Change in thickness (OZP*10, EM*10, ZPM*10, MAT*10) | м² / m²           | 52.42             |                         |                              |
| 45                                    | ЭСН12-2-1   | Устройство кровель плоских четырехслойных из рулонных кровельных материалов на битумной мастике с защитным слоем из гравия на битумной антисептированной мастике                                   | Installation of roof made of plain 4-layer roll roof materials on bitumen mastic, with protection layer made of gravel composite on bitumen anti-septic mastic   | м² / m²           | 52.42             |                         |                              |
| 46                                    | ЭСН12-4-2   | Устройство примыканий рулонных и мастичных кровель к стенам и парапетам высотой более 600 мм с одним фартуком (узел 17)  | Installation of roof abutments (roll and mastic) to walls and parapets, with the height >600 and one flashing (node 17)  | м / m             | 11                |                         |                              |
| 47                                    | ЭСН12-6-1   | Устройство деформационных швов с наклейкой дополнительных слоев рулонного кровельного материала на битумной мастике (узел 33)  | Installation of deformative joints with decalling of additional layer of roll roof materials on a bitumen mastic (node 33)   | м / m             | 9.6               |                         |                              |
| <b>7. Проемы</b>                      |   |  | <b>7. Apertures</b>  |                   |                   |                         |                              |
| 48                                    | ЭСН9-47-6   | Установка металлических дверей в готовые проемы с площадью дверного проема более 2,5 м²  | Installation of metallic doors into ready door aperture with an area of aperture > 2,5 m²  | м² / m²           | 13.92             |                         |                              |
| 49                                    | ЭСН13-11-4  | Огрунтовка металлических поверхностей за один раз грунтовкой ГФ-021  | Priming of metallic surfaces (1 time) GF - 021   | м² / m²           | 33.4              |                         |                              |
| 50                                    | ЭСН13-13-26<br>ОЗП*2;<br>ЭМ*2;<br>ЗПМ*2;              | Окраска металлических оштукатуренных поверхностей эмалью ПФ-115<br><i>Обоснования коэф-в:</i><br><i>Новый коэффициент (ОЗП*2; ЭМ*2; ЗПМ*2; МАТ*2)</i>  | Painting of metallic primed surfaces with enamel of PF-115<br>Justification of coefficients:<br>New coefficient (OZP*2, EM*2, ZPM*2, MAT*2)  | м² / m²           | 33.4              |                         |                              |

| № пп  | Шифр /<br>Justification                            | Наименование работ и затрат  | Description   | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|---|--|--|---|-------------------------|---------------------|--------------------------------|------------------------------------|
| 51  | ЭСН6-30-1  | Устройство перегородки ПГ-1 бетонных из бетона класса В-7.5  | Installation of concrete closure PG-1, made of concrete class - B 7,5   | м³ / m³                 | 0.09                |                                |                                    |
| 52  | ЭСН9-56-2  | Монтаж жалюзийных решеток  | Installation of jalousie grids  | тн/ t                   | 0.216               |                                |                                    |
| 53  | ЭСН13-11-4   | Огрунтовка металлических поверхностей за один раз грунтовкой ГФ-021  | Priming of metallic surfaces (1 time) GF - 021  | м² / m²                 | 9                   |                                |                                    |
| 54  | ЭСН13-13-26<br>ОЗП*2;<br>ЭМ*2;<br>ЗПМ*2;<br>МАТ*2; | Окраска металлических оштукатуренных поверхностей эмалью ПФ-115<br>Обоснования коэф-в:<br>Новый коэффициент (ОЗП*2; ЭМ*2; МАТ*2)   | Painting of metallic primed surfaces with enamel of PF-115<br>Justification of coefficients:<br>New coefficient (OZP*2, EM*2, ZMP*2, MAT*2)           | м² / m²                 | 9                   |                                |                                    |
| <b>8. Полы</b>                              |  |  | <b>8. Floors</b>  |                         |                     |                                |                                    |
| 55  | ЭСН11-1-2  | Уплотнение грунта щебнем   | Compaction of soil with a crushed stone   | м² / m²                 | 46.07               |                                |                                    |
| 56  | ЭСН11-2-9  | Устройство подстилающих слоев бетонных толщ. 100мм из бетона класса В-7.5  | Installation of underlayers made of concrete, with a thickness of 100mm, concrete class - B 7,5   | м³ / m³                 | 4.607               |                                |                                    |
| 57  | ЭСН11-11-1   | Устройство стяжек цементных толщиной 20 мм   | Installation of cement bracing wires with a thickness of 20 mm  | м² / m²                 | 46.07               |                                |                                    |
| 58  | ЭСН11-39-2   | Устройство плинтусов цементных   | Installation of cement plinths  | м / m                   | 50                  |                                |                                    |
| <b>9. Ведомость отделки помещений</b>       |  |  | <b>9. Interior finishing</b>  |                         |                     |                                |                                    |
| 55  | ЭСН15-80-2   | Затирка поверхности потолков цементно-известковым раствором 1:2.5  | Scouring of surfaces with cement-limestone solution 1:2,5   | м² / m²                 | 46.07               |                                |                                    |
| 56  | ЭСН15-80-1   | Затирка поверхности стен цементно-известковым раствором 1:2.5, 1:1:6   | Scouring of surfaces with cement-limestone solution 1:2,5, 1:1:6  | м² / m²                 | 188                 |                                |                                    |
| 57  | ЭСН15-91-1   | Штукатурка поверхностей оконных и дверных откосов по бетону и камню плоских  | Plasterwork of surfaces of window and door slopes, made as of concrete and plane stones   | м² / m²                 | 15                  |                                |                                    |
| 58  | ЭСН15-108-1  | Известковая окраска водными составами внутри помещений по штукатурке   | Water-solution based limestone painting as of plastering  | м² / m²                 | 227                 |                                |                                    |
| <b>10. Ведомость отделки фасада</b>         |  |  | <b>10. Exterior finishing</b>   |                         |                     |                                |                                    |
| 59  | ЭСН15-81-1   | Штукатурка поверхности наружных стен   | Plasterwork of external walls' surfaces   | м² / m²                 | 117                 |                                |                                    |
| 60  | ЭСН15-114-1  | Окраска фасадов с лесов с подготовкой поверхности известковая  | Painting of facades with further preparation of surface for limestone painting  | м² / m²                 | 117                 |                                |                                    |
| 61  | ЭСН11-2-4  | Устройство подстилающих слоев щебеночных для отмоски   | Installation of underlayers made of rubble for blind areas  | м³ / m³                 | 2.4                 |                                |                                    |
| 62  | ЭСН27-78-1   | Устройство асфальтобетонных покрытий дорожек и тротуаров однослойных из литой мелкозернистой асфальто-бетонной смеси толщиной 3 см | Installation of asphalt-concrete coverings of the roads and 1 layer pavements made of cast fine-grained asphalt-concrete composite, of 3 sm thickness | м² / m²                 | 24                  |                                |                                    |
| <b>11. Доставка строительных материалов</b> |  |  | <b>11. Delivery of construction materials</b>   |                         |                     |                                |                                    |

| № пп   | Шифр / Justification | Наименование работ и затрат  | Description   | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|--|---|-------------------|-------------------|-------------------------|------------------------------|
| 63   | СССЦ-1/2009          | Доставка строительных материалов на расст. 15 км на автомашине Камаз, стоимость топлива 2,8 сомони   | Delivery of construction materials for 15 km distance (via Kamaz truck), price of fuel - 2.8 somoni   | тн/ t             | 133.05            |                         |                              |
| 64   | СССЦ-1/2009          | Доставка строительных материалов на расст. 15 км на автомашине Камаз, стоимость топлива 2,8 сомони (бетон)   | Delivery of construction materials for 15 km distance (via Kamaz truck), price of fuel - 2.8 somoni (for concrete)  | тн/ t             | 107.82            |                         |                              |
|  |                      | <b>Итого по разделу 1</b>  | <b>Subtotal for section 1</b>   |                   |                   |                         |                              |
| <b>Раздел 2. Оборудование и материалы ТП 250-2</b> |                      |  | <b>Section 2. Equipment and materials TS 250-2</b>  |                   |                   |                         |                              |
| <b>1. Силовые трансформаторы</b>                   |                      |  | <b>1. Power supply transformer</b>  |                   |                   |                         |                              |
| 65   | M8-1-1               | Трансформатор силовой трехфазный масляный мощностью 250 кВ, напряжением 10/0,4кВ   | Three-phased power supply oil transformer , with a power of 250 kV, with voltage capacity of 10/0,4 kV  | шт/nos            | 2                 |                         |                              |
| <b>2. Комплектное распределительное устройство</b> |                      |  | <b>2. Set switchgear</b>  |                   |                   |                         |                              |
| 66   | M8-26-1              | Комплектное распределительное устройство напряжением 10кВ внутренней установки одностороннего обслуживания серии КС0386, состоящее из 4 камер и 2 торцевых панелей | Set switchgear with a voltage capacity of 10 kV (inner installation) one-side tending of KC0386 series, consisted of 4 chambers and 2 side slabs                | шт/nos            | 1                 |                         |                              |
| <b>3. Изоляторы</b>                                |                      |  | <b>3. Insulators (Isolators)</b>  |                   |                   |                         |                              |
| 67   | M8-52-5              | Изолятор проходной армированный, фарфоровый внутренней установки на напряжение 10 кВ   | Face-to-face reinforced insulator, made of porcelain. Inner installation for a voltage of 10 kV capacity  | шт/nos            | 6                 |                         |                              |
| 68   | M8-52-1              | Изолятор опорный армированный, фарфоровый внутренней установки на напряжение 10 кВ   | Carrying reinforced insulator (isolator) made of porcelain. Inner installation for a voltage of 10 kV capacity  | шт/nos            | 6                 |                         |                              |
| 69   | M8-52-1              | Изолятор опорный армированный, фарфоровый внутренней установки (для схемы без АВР 0,4кВ)   | Carrying reinforced insulator (isolator) made of porcelain (for scheme with no AVR - 0,4 kV)  | шт/nos            | 19                |                         |                              |
| 70   | M8-52-1              | Изолятор опорный армированный, фарфоровый внутренней установки (вариант с контакторными станциями)   | Carrying reinforced insulator (isolator) made of porcelain (option with contacting stations)  | шт/nos            | 28                |                         |                              |
| 71   | M8-52-1              | Изолятор опорный неармированный, фарфоровый внутренней установки на напряжение 6 кВ  | Carrying non-reinforced insulator (isolator) made of porcelain. Inner installation for a voltage of 6 kV  | шт/nos            | 4                 |                         |                              |
| <b>4. Щитовые устройства</b>                       |                      |  | <b>4. Electric panels (switchboard)</b>   |                   |                   |                         |                              |
| 72   | M8-633-8             | Щит распределительный 0.4кВ, состоящий из 12 панелей, в том числе 4 торцевых (вводные-2, линейные-4, секционный-1, торцевые-4, панель уличного освещения 1шт)      | Switchboard of 0,4 kV, consisting of 12 panels, including 4 butts (lead-in - 2 pcs, linear - 4 pcs, sectional - 1, front - 4, panel of street illumination - 1) | шт/nos            | 1                 |                         |                              |
| 73   | M8-599-1             | Щиток осветительный групповой, 25А   | Cover sheet lighting, s group, 25A  | шт/nos            | 1                 |                         |                              |
| <b>5. Аппаратура напряжением 1000В</b>             |                      |  | <b>5. Voltage equipment 1000V</b>   |                   |                   |                         |                              |
| 74   | M8-525-1             | Выключатель автоматический трехполюсный, напряжения 380В, 50Гц, номинальный ток расцепителя 16А  | Tripolar automatic switch, with 380 voltage capacity (50 Hz), design current of voltage splitter - 16A  | шт/nos            | 2                 |                         |                              |

| № пп  | Шифр / Justification | Наименование работ и затрат  | Description  | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|---|----------------------|--|--|-------------------|-------------------|-------------------------|------------------------------|
| 75  | M8-525-1             | Выключатель автоматический однополюсный, напряжения 380В, 50Гц, номинальный ток расцепителя 16А                      | Single pole automatic switch, with 380 voltage capacity (50 Hz), design current of voltage splitter - 16A                                      | шт/nos            | 2                 |                         |                              |
| <b>6. Электроосветительные приборы и лампы</b>  |                      |  | <b>6. Illuminating equipment and lamps</b>   |                   |                   |                         |                              |
| 76  | M8-593-1             | Светильник подвесной 220В, 100Вт, исполнение 3   | Hanging lamp of 220V and 100 Watt, version 3   | шт/nos            | 1                 |                         |                              |
| <b>7. Шины и неизолированные провода</b>        |                      |  | <b>7. Strips and non-isolated wires</b>  |                   |                   |                         |                              |
| 77  | M8-72-3              | Шина алюминиевая, электротехническая   | Aluminium electric strip   | шт/nos            | 15.2              |                         |                              |
| 78  | СССЦ-1/2010          | Доставка строительных материалов на расст. 15 км на автомашине Камаз, стоимость топлива 2,8 сомони                   | Delivery of construction materials for the distance of 15 km, via truck (Kamaz), price for fuel 2,8 somoni                                     | тн/ t             | 10.2              |                         |                              |
| <b>Итого по разделу 2</b>                       |                      |  | <b>Subtotal for section 2</b>  |                   |                   |                         |                              |
| <b>Раздел 3. Материалы не учтенные ценником</b> |                      |  | <b>Section 3. Materials, not considered in a price list</b>  |                   |                   |                         |                              |
| 79  |                      | Изолятор проходной армированный, фарфоровый внутренней установки на напряжение 10 кВ ИП-10/630-750-ИУ2               | Face-to-face reinforced insulator, made of porcelain. Inner installation for a voltage of 10 kV capacity (IP-10/630-750- IU2)                  | шт/nos            | 6                 |                         |                              |
| 80  |                      | Изолятор опорный армированный, фарфоровый внутренней установки ИО -10-3,75ИУ3 ИНЯЖ.6861 18                           | Carrying reinforced insulator (isolator) made of porcelain. Inner installation IO10-3,75IU3 INYAJ.6861 18                                      | шт/nos            | 6                 |                         |                              |
| 81  |                      | Изолятор опорный армированный, фарфоровый внутренней установки (для схемы с АВР 0,4кВ) ИО-1-2,50 ИУ3 ИНЯЖ.686111.001 | Carrying reinforced insulator (isolator) made of porcelain, with inner installation (for scheme with AVR - 0,4 kV) IO1-2, 50, INYAJ.686111 001 | шт/nos            | 19                |                         |                              |
| 82  |                      | Изолятор опорный армированный, фарфоровый внутренней установки (вариант с контакторными станциями)                   | Carrying reinforced insulator (isolator) made of porcelain (option with contacting stations)   | шт/nos            | 28                |                         |                              |
| 83  |                      | Изолятор опорный неармированный, фарфоровый внутренней установки на напряжение 6кВ СН - 6У2                          | Carrying non-reinforced insulator (isolator) made of porcelain. Inner installation for a voltage of 6 kV - SN-6U2                              | шт/nos            | 4                 |                         |                              |
| 84  |                      | Щиток осветительный групповой, 25А ЯОУ -8501УЗ ТУ16-536.   | Illuminating switchboard cluster-type, 25A YAOU-8501UZ TU16-536.   | шт/nos            | 1                 |                         |                              |
| 85  |                      | Выключатель автоматический трехполюсный, напряжения 380В, 50Гц, номинальный ток расцепителя 16А                      | Tripolar automatic switch, with 380 voltage capacity (50 Hz), design current of voltage splitter - 16A   | шт/nos            | 2                 |                         |                              |
| 86  |                      | Выключатель автоматический однополюсный, напряжения 380В, 50Гц, номинальный ток расцепителя 16А                      | Single pole automatic switch, with 380 voltage capacity (50 Hz), design current of voltage splitter - 16A                                      | шт/nos            | 2                 |                         |                              |
| 87  |                      | Светильник подвесной 220В, 100Вт, исполнение 3 нсп21-100-001У3   | Hanging lamp of 220V and 100 Watt, version 3   | шт/nos            | 1                 |                         |                              |
| 88  |                      | Светильник переносной, 42В рво -42-У2  | Portable lamp, 42V - 42 U2   | шт/nos            | 1                 |                         |                              |



| № пп   | Шифр / Justification | Наименование работ и затрат   | Description  | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|---|--|-------------------|-------------------|-------------------------|------------------------------|
| 89   |                      | Лампа энергосберегающая электрическая , 20Вт (для щитка учета)  | Electric Lamp energy-efficient, 20 Watt (recording)  | шт/nos            | 2                 |                         |                              |
| 90   |                      | Лампа энергосберегающая электрическая 230-340В, 30Вт  | Electric Lamp energy-efficient, 230-240V, 30 Watt  | шт/nos            | 7                 |                         |                              |
| 91   |                      | Лампа энергосберегающая электрическая , 40Вт  | Electric Lamp energy-efficient, crypton), 230-240V, 40 Watt  | шт/nos            | 1                 |                         |                              |
| 92   |                      | Лампа энергосберегающая электрическая для местного освещения 15 Вт, 20 Вт   | Electric Lamp energy-efficient for local illumination 15 Watt, 20 Watt   | шт/nos            | 1                 |                         |                              |
| 93   |                      | Шина алюминиевая электротехническая прессованная (для трансформатора 250кВА, схема АВР 0.4 кВ )   | Aluminium electric strip, pressed (for transforming station 250 kVA, scheme AVR 0,4 kV)  | kg                | 41                |                         |                              |
|  |                      | <b>Итого по разделу 3</b>   | <b>Subtotal for section 3</b>  |                   |                   |                         |                              |
| <b>Раздел 4. Оборудование</b>                                  |                      |   | <b>Section 4. Equipment</b>  |                   |                   |                         |                              |
| 94   | 500-9700-015         | Трансформатор силовой трехфазный масляный мощностью 250 кВ.А, напряжением 10/0,4 кВ, схема и группа соединений обмоток У/Ун-0 ТМ-250/10                               | Three-phased power supply oil transformer , with a power of 250 kV, with voltage capacity of 10/0,4 kV, scheme and group of lagging junctions (U/Un TM-250/10) | шт/nos            | 2                 |                         |                              |
| 95   | 500-9016             | Комплектное распределительное устройство напряжением 10кВ внутренней установки одностороннего обслуживания серии КС0386, состоящее из 4 камер и двух торцевых панелей | Set switchgear with a voltage capacity of 10 kV (inner installation) one-side tending of KC0386 series, consisted of 4 chambers and 2 side slabs (butt panels) | шт/nos            | 1                 |                         |                              |
| 96   | 500-9014             | Щит распределительный 0.4кВ, состоящий из 12 панелей, в том числе 4 торцевых  | Switchboard of 0,4 kV, consisting of 12 panels, including 4 butts  | шт/nos            | 1                 |                         |                              |
|  |                      | <b>Итого по разделу 4</b>   | <b>Subtotal for section 4</b>  |                   |                   |                         |                              |
| <b>Всего по разделам 1-4:</b>                                  |                      |   | <b>Total for section 1-4:</b>  |                   |                   |                         |                              |
| Административные затраты и прибыль подрядчика от прямых затрат |                      |   | Administration inputs and profit of contractor from direct work inputs:  |                   | %                 |                         |                              |
| <b>ВСЕГО по локальному смету 3-1:</b>                          |                      |   | <b>Total on lokal BOQ 3-1:</b>   |                   |                   |                         |                              |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

\_\_\_\_\_  
Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_

Signature of Bidder

Stamp

**Cost estim 4-1 Intra-territory networks of water and canalization pipe lines**  
**Локальная смета 4-1 Внутриплощадочные сети водопровода и канализации**

| № пп                                 | Шифр / Justification | Наименование работ и затрат  | Description  | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--------------------------------------|----------------------|--|--|-------------------|-------------------|-------------------------|------------------------------|
| <b>Раздел 1. Профиль В 1</b>         |                      |  | <b>Section 1. Profile B 1</b>  |                   |                   |                         |                              |
| 1                                    | ЭСН1-3-8             | Разработка грунта в отвал экскаваторами "драглайн" или "обратная лопата" с ковшем вместимостью 0,65 (0,5-1) м³, группа грунтов 2 | Excavation works of soil to stockpile with the dragline or back diggers. Capacity of dipper 0,65 (0,5-1) m³. Soil type - II                          | м³ / m³           | 264               |                         |                              |
| 2                                    | ЭСН1-192-2           | Доработка грунта вручную в траншеях глубиной до 2 м без креплений с откосами, группа грунтов 2                                   | Manual completion of excavation works at the trenches of 2 m depth, with no slope lining. Soil type - II   | м³ / m³           | 9                 |                         |                              |
|                                      |                      | <b>ТИП 2</b>   | <b>TYPE 2</b>  |                   |                   |                         |                              |
| 3                                    | ЭСН1-160-1           | Уплотнение грунта пневматическими трамбовками, группа грунтов 1, 2   | Compaction of the soil by pneumatic rams. Soil type - I & II   | м³ / m³           | 49                |                         |                              |
| 4                                    | ЭСН11-2-3            | Устройство подстилающих слоев гравийных  | Installation of underlayers filled with gravel composite   | м³ / m³           | 16.35             |                         |                              |
| 5                                    | ЭСН11-2-1            | Устройство подстилающих слоев песчаных   | Installation of underlayers filled with sand composite   | м³ / m³           | 16.35             |                         |                              |
| 6                                    | ЭСН1-33-5            | Засыпка траншей и котлованов с перемещением грунта до 5 м бульдозерами мощностью 79 (108) кВт (л.с.), 2 группа грунтов           | Backfilling of trenches and foundation areas with the displacement of soil to 5 m by the bulldozers with a power 79 (108) of kW (hp). Soil type - II | м³ / m³           | 176               |                         |                              |
| 7                                    | ЭСН1-160-1           | Уплотнение грунта пневматическими трамбовками, группа грунтов 1, 2   | Compaction of the soil by pneumatic rams. Soil type - I & II   | м³ / m³           | 176               |                         |                              |
| 8                                    | ЭСН1-196-2           | Засыпка вручную траншей, пазух котлованов и ям, группа грунтов 2   | Manual backfilling of trenches and foundation pit pockets. Soil type II  | м³ / m³           | 75                |                         |                              |
|                                      |                      | <b>Итого по разделу 1:</b>   | <b>Subtotal for section 1:</b>   |                   |                   |                         |                              |
| <b>Раздел 2. Контрольные колодцы</b> |                      |  | <b>Section 2. Control wells</b>  |                   |                   |                         |                              |
| 9                                    | ЭСН1-192-2           | Разработка грунта вручную под колодцы  | Manual excavation works  | м³ / m³           | 70.1              |                         |                              |
| 10                                   | ЭСН1-13-13           | Погрузка на а/самосвалы излишнего грунта   | Loading of the extra soil to dumpers   | м³ / m³           | 103               |                         |                              |
| 11                                   | тариф на перевозку   | Транспортировка грунта - 3 км  | Transportation of the extra soil - not less than 3 km away   | тн/км-т/км        | 170               |                         |                              |
| 12                                   | ЭСН22-28-1           | Устройство круглых колодцев из сборного железобетона в грунтах сухих   | Installation of round wells, made of pre-assembled reinforced-concrete, inside the dry soil  | м³ / m³           | 9.32              |                         |                              |
|                                      |                      | <b>Итого по разделу 2:</b>   | <b>Subtotal for section 2:</b>   |                   |                   |                         |                              |
| <b>Раздел 3. Профиль канализации</b> |                      |  | <b>Section 3. Sewerage profile</b>   |                   |                   |                         |                              |
| 13                                   | ЭСН1-3-8             | Разработка грунта в отвал экскаваторами "драглайн" или "обратная лопата" с ковшем вместимостью 0,65 (0,5-1) м³, группа грунтов 2 | Excavation works of soil to stockpile with the dragline or back diggers. Capacity of dipper 0,65 (0,5-1) m³. Soil type - II                          | м³ / m³           | 290               |                         |                              |
| 14                                   | ЭСН1-192-2           | Доработка грунта вручную в траншеях глубиной до 2 м без креплений с откосами, группа грунтов 2                                   | Manual completion of excavation works at the trenches of 2 m depth, with no slope lining. Soil type - II   | м³ / m³           | 9                 |                         |                              |

| № пп                          | Шифр / Justification | Наименование работ и затрат  | Description  | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|-------------------------------|----------------------|--|--|-------------------|-------------------|-------------------------|------------------------------|
|                               |                      | <i>ТИП 1</i>   | <i>TYPE 1</i>  |                   |                   |                         |                              |
| 15                            | ЭСН1-160-1           | Уплотнение грунта пневматическими трамбовками, группа грунтов 1, 2   | Compaction of the soil by pneumatic rams. Soil type - I & II   | м³ / m³           | 12.9              |                         |                              |
| 16                            | ЭСН27-72-6           | Укладка и пропитка с применением битума грунтовых оснований толщиной 8 см  | Application and impregnation of bitumen to soil - thickness 8 cm   | м² / m²           | 43                |                         |                              |
| 17                            | ЭСН27-72-7           | При изменении толщины щебеночных оснований на 1 см добавлять или исключать к норме 27-72-6                             | For every 1 cm change in the thickness of the layer to add or to exclude as of standards from 27-27-6  | м² / m²           | -43               |                         |                              |
| 18                            | ЭСН11-2-3            | Устройство дренажных слоев гравийных   | Installation of drainage level filled with a gravel composite  | м³ / m³           | 4.3               |                         |                              |
| 19                            | ЭСН11-2-1            | Устройство подстилающих слоев песчаных   | Installation of drainage level filled with a sand composite  | м³ / m³           | 4.3               |                         |                              |
|                               |                      | <i>ТИП 2</i>   | <i>TYPE 2</i>  |                   |                   |                         |                              |
| 20                            | ЭСН1-160-1           | Уплотнение грунта пневматическими трамбовками, группа грунтов 1, 2   | Compaction of the soil by pneumatic rams. Soil type - I & II   | м³ / m³           | 23                |                         |                              |
| 21                            | ЭСН11-2-3            | Устройство подстилающих слоев гравийных  | Installation of underlayers filled with gravel composite   | м³ / m³           | 7.65              |                         |                              |
| 22                            | ЭСН11-2-1            | Устройство подстилающих слоев песчаных   | Installation of underlayers filled with sand composite   | м³ / m³           | 7.65              |                         |                              |
| 23                            | ЭСН1-33-5            | Засыпка траншей и котлованов с перемещением грунта до 5 м бульдозерами мощностью 79 (108) кВт (л.с.), 2 группа грунтов | Backfilling of trenches and foundation areas with the displacement of soil to 5 m by the bulldozers with a power 79 (108) of kW (hp). Soil type - II | м³ / m³           | 195               |                         |                              |
| 24                            | ЭСН1-160-1           | Уплотнение грунта пневматическими трамбовками, группа грунтов 1, 2   | Compaction of the soil by pneumatic rams. Soil type - I & II   | м³ / m³           | 195               |                         |                              |
| 26                            | ЭСН1-196-2           | Засыпка вручную траншей, пазух котлованов и ям, группа грунтов 2   | Manual backfilling of trenches and foundation pit pockets. Soil type II  | м³ / m³           | 83                |                         |                              |
| 27                            | ЭСН1-192-2           | Разработка грунта вручную под колодцы  | Manual excavation works  | м³ / m³           | 34.05             |                         |                              |
| 28                            | ЭСН1-13-13           | Погрузка на а/самосвалы излишнего грунта   | Loading of the extra soil to dumpers   | м³ / m³           | 55.8              |                         |                              |
| 29                            | тариф на перевозку   | Транспортировка грунта - 3 км  | Transportation of the extra soil - not less than 3 km away   | тн/км-т/км        | 92                |                         |                              |
|                               |                      | <i>Канализационные колодцы</i>   | <i>Sewerage wells</i>  |                   |                   |                         |                              |
| 30                            | ЭСН23-18-3           | Устройство круглых бетонных монолитных канализационных колодцев диаметром 1 м в грунтах сухих                          | Installation of round monolith-concrete sewerage wells, with a diameter of 1m, inside the dry soil   | м³ / m³           | 4.46              |                         |                              |
|                               |                      | <b>Итого по разделу 3:</b>   | <b>Subtotal for section 3:</b>   |                   |                   |                         |                              |
| <b>Раздел 4. Оборудование</b> |                      |  | <b>Section 4. Equipment</b>  |                   |                   |                         |                              |
| 31                            | ЭСН22-5-2            | Укладка стальных водопроводных труб с гидравлическим испытанием диаметром 60 мм  | Laying of steel water pipes (60 mm) with further hydraulic testing   | м / m             | 102               |                         |                              |
| 32                            | ЭСН22-5-3            | Укладка стальных водопроводных труб с гидравлическим испытанием диаметром 100 мм                                       | Laying of steel water pipes (100 mm) with further hydraulic testing  | м / m             | 137.5             |                         |                              |

| № пп   | Шифр /<br>Justification | Наименование работ и затрат  | Description  | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantity | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|--|-------------------------|--|--|-------------------------|---------------------|--------------------------------|------------------------------------|
| 33   | ЭСН22-9-2               | Нанесение нормальной антикоррозионной битумно-резиновой или битумно-полимерной изоляции на стальные трубопроводы диаметром 60 мм | Putting enhanced anticorrosive bituminous- rubber or bituminous-polymeric isolation to the steel pipes - diameter of 60 mm | м / m                   | 102                 |                                |                                    |
| 34   | ЭСН22-9-3               | Нанесение нормальной антикоррозионной битумно-резиновой или битумно-полимерной изоляции на стальные трубопроводы диаметром 89 мм | Putting enhanced anticorrosive bituminous- rubber or bituminous-polymeric isolation to the steel pipes - diameter of 89 mm | м / m                   | 137.5               |                                |                                    |
| 35   | ЭСН22-25-1              | Установка задвижек диаметром 50 мм   | Installation of pipe valves of a 50 mm diameter  | шт/nos                  | 4                   |                                |                                    |
| 36   | ЭСН22-25-2              | Установка задвижек диаметром 80 мм   | Installation of pipe valves of a 80 mm diameter  | шт/nos                  | 2                   |                                |                                    |
| 37   | ЭСН22-26-3              | Установка гидрантов пожарных   | Installation of the fire hydrants  | шт/nos                  | 1                   |                                |                                    |
| 38   | ЭСН22-22-1              | Установка фасонных частей чугунных диаметром 50-100 мм   | Installation of cast-iron fittings, of 50-100 mm diameter  | тн / t                  | 0.015               |                                |                                    |
| 39   |                         | Пожарный рукав диам.66   | Fire hose of 66 mm diameter  | м / m                   | 120                 |                                |                                    |
| 40   | ЭСН22-22-5              | Установка фасонных частей стальных сварных диаметром 100-250 мм  | Installation of welded steel fittings, of 100-250 mm diameter  | тн / t                  | 0.015               |                                |                                    |
| 41   | СРЦ                     | Отвод стальной приварной диаметром 50мм крутоизогнутый 90 градусов   | Welded connector bend made of steel, with a diameter of 50 mm, steeply curved - 90 °                                       | шт/nos                  | 3                   |                                |                                    |
| 42   | СРЦ                     | Отвод стальной приварной диаметром 80мм крутоизогнутый 45 градусов   | Welded connector bend made of steel, with a diameter of 80 mm, steeply curved - 45 °                                       | шт/nos                  | 2                   |                                |                                    |
| 43   | СРЦ                     | Шибер стальной 150x300мм   | Steel sluice valve - 150x300mm   | шт/nos                  | 1                   |                                |                                    |
| 44   | ЭСН22-23-1              | Установка полиэтиленовых фасонных частей дренажная трубка диам. 100мм  | Installation of polyethylene fitting of a drainage pipe - of 100 mm diameter   | шт/nos                  | 3                   |                                |                                    |
| 45   | ЭСН23-2-1               | Укладка трубопроводов из асбестоцементных безнапорных труб диаметром 150 мм  | Laying of asbestos-cement no pressure pipelines of 150 mm diameter   | м / m                   | 75                  |                                |                                    |
| 46   | СРЦ                     | Мотопомпа бензиновая   | Gasoline motor pump  | шт/nos                  | 1                   |                                |                                    |
| 47   | СРЦ                     | Шланг пожарный диам. 65мм  | Fire hose of 66 mm diameter  | м / m                   | 80                  |                                |                                    |
| 48   | СРЦ                     | Створ пожарный ручной  | Hand-operated fire fold  | шт/nos                  | 1                   |                                |                                    |
| 49   | ЭСН22-27-1              | Приварка фланцев к стальным трубопроводам диаметром 50 мм  | Welding of flanges to the steel pipelines of 50 mm diameter  | фланец / 1<br>collet    | 4                   |                                |                                    |
| 50   | ЭСН22-27-3              | Приварка фланцев к стальным трубопроводам диаметром 80 мм  | Welding of flanges to the steel pipelines of 80 mm diameter  | фланец / 1<br>collet    | 2                   |                                |                                    |
| 51   | ЭСН16-17-3              | Установка клапана обратного фланцевой диам. 70мм   | Installation of reverse-flange valve of 70 mm diameter   | шт/nos                  | 1                   |                                |                                    |
| 52   | СССЦ-1-2010             | Насосы электрические глубинные ЭКВ-8-40-60   | Electric pumps to works at depth. EKV-8-40-60  | компл /set              | 2                   |                                |                                    |
|  |                         | <b>Итого по разделу 4</b>  | <b>Subtotal for section 4</b>  |                         |                     |                                |                                    |
| <b>Всего по разделам 1-4:</b>                                  |                         |  | <b>Total for section 1-4:</b>  |                         |                     |                                |                                    |
| Административные затраты и прибыль подрядчика от прямых затрат |                         |  | Administration inputs and profit of contractor from direct work inputs:  |                         | %                   |                                |                                    |

| №<br>пп                               | Шифр /<br>Justification | Наименование работ и затрат | Description                    | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantit<br>y | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|---------------------------------------|-------------------------|-----------------------------|--------------------------------|-------------------------|-------------------------|--------------------------------|------------------------------------|
| <b>ВСЕГО по локальному смету 4-1:</b> |                         |                             | <b>Total on lokal BOQ 4-1:</b> |                         |                         |                                |                                    |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

\_\_\_\_\_  
Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_

Signature of Bidder

Stamp

**Cost estim 4-2      Internal areal nets of power-supply**  
**Локальная смета 4-2    Внутриплощадочные сети электроснабжения**

| №<br>пп                               | Шифр /<br>Justification | Наименование работ и затрат  | Description  | Един.<br>изм. /<br>Unit | Кол-во<br>/Quantit<br>y | Ст-ть ед-<br>цы / Unit<br>cost | Общая<br>стоимость /<br>Total cost |
|---------------------------------------|-------------------------|--|--|-------------------------|-------------------------|--------------------------------|------------------------------------|
| <b>Раздел 1. Строительные работы,</b> |                         |  | <b>Division 1. Construction work,</b>  |                         |                         |                                |                                    |
| 1                                     | ЭСН1-192-3              | Разработка грунта вручную в траншеях глубиной до 2 м без креплений с откосами, группа грунтов 3          | the development of soil by hand in the trenches by a depth of up to 2 m without the fastenings with the slopes, the group of soils 3 | м³ / m³                 | 366                     |                                |                                    |
| 2                                     | ЭСН1-196-2              | Засыпка вручную траншей, пазух котлованов и ям, группа грунтов 2   | fillings in by hand of trenches, cavities of foundation areas and pits, the group of soils 2   | м³ / m³                 | 366                     |                                |                                    |
| 3                                     | ЭСН9-46-1               | Монтаж металлических стоек торшеров  | the installation of the metallic counters of floor lamps   | тн / t                  | 0.414                   |                                |                                    |
| 4                                     | ГЭСН34-02-001-03        | Устройство трубопроводов из асбестоцементных труб с соединением полиэтиленовыми муфтами до 2-х отверстий | the device of conduits from the asbestos cement pipes with the connection by polyethylene clutches to the 2nd openings               | м / m                   | 38                      |                                |                                    |
|                                       |                         | <b>Итого по разделу 1</b>  | <b>Subtotal for 1</b>  |                         |                         |                                |                                    |
| <b>Раздел 2. Монтажные работы</b>     |                         |  | <b>Division 2. Installation works</b>  |                         |                         |                                |                                    |
| 5                                     | М8-142-1                | Устройство постели при одном кабеле в траншее  | the device of bed with one cable into the trench   | м / m                   | 350                     |                                |                                    |
| 6                                     | М8-141-1                | Кабели до 35 кв в готовых траншеях без покрытий, масса 1 м, кг, до 1                                     | cables to 35 kV in the finished trenches without the coatings, the mass of 1 m, kgf, to 1  | м / m                   | 350                     |                                |                                    |

| № пп   | Шифр / Justification | Наименование работ и затрат   | Description   | Един. изм. / Unit | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|---|---|-------------------|-------------------|-------------------------|------------------------------|
| 7  | M8-143-1             | Покрытие кабеля, проложенного в траншее, кирпичом одного кабеля   | coating of the cable, laid in the trench, by the brick of one cable   | м / м             | 350               |                         |                              |
| 8  | M8-141-1             | Кабели до 35 кв в готовых траншеях без покрытий, масса 1 м, кг, до 1  | cables to 35 kV in the finished trenches without the coatings, the mass of 1 m, kgf, to 1   | м / м             | 595               |                         |                              |
| 9  | Ц 10-51-32           | Разделка кабеля   | splicing of cable   | nos               | 6                 |                         |                              |
| 10   | M8-369-3             | Светильники, устанавливаемые вне зданий. Светильник с лампами ртутными  | the lamps, installed out of the buildings. Lamp with the lamps mercury  | шт/nos            | 7                 |                         |                              |
| 11   | M8-412-1             | Затягивание проводов в проложенные трубы и металлические рукава. Провод первый одножильный или многожильный в общей оплетке, суммарное сечение, мм2, до 2,5 | the pulling of wires into the laid pipes and the metallic sleeves. Wire the first is singlecore or is multiple-strand in the general braiding, summary section, [mm]2, to 2,5 | м / м             | 30                |                         |                              |
| 12   | M8-596-3             | Прожектор, отдельно устанавливаемый на стальной конструкции на крыше здания, с лампой мощностью, Вт 500   | searchlight, separately installed on the steel construction on the roof of building, with lamp by power, W 500  | шт/nos            | 2                 |                         |                              |
| 13   | M8-591-5             | Выключатель двухклавишный утопленного типа при скрытой проводке   | switch embedded type two-key-actuated with the concealed wiring   | шт/nos            | 1                 |                         |                              |
|  |                      | <b>Итого по разделу 2</b>   | <b>Subtotal for 2</b>   |                   |                   |                         |                              |
| <b>Раздел 3. Материалы не учтенные цеником</b>                 |                      |   | <b>Division 2. materials not taken into account by price list</b>   |                   |                   |                         |                              |
| 14   |                      | Кабель АВВБ 3х95мм2   | the cable [AVVB] of 3[kh]95[mm]2  | м / м             | 350               |                         |                              |
| 15   |                      | Кабельные наконечники   | cable shoes   | шт/nos            | 6                 |                         |                              |
| 16   |                      | Кирпич  | brick   | шт/nos            | 1500              |                         |                              |
| 17   |                      | Песок   | sand  | м³ / м³           | 5                 |                         |                              |
| 18   |                      | Кабель ААШвУ 4х150мм2   | the cable Of [aAShvU] of 4[kh]150[mm]2  | м / м             | 180               |                         |                              |
| 19   |                      | Кабель АВВГ 3х6мм2  | the cable [AVVG] of 3[kh]6[mm]2   | м / м             | 215               |                         |                              |
| 20   |                      | Провод АПВ 1-2,5мм2   | the wire APV of 1-2,5[mm]2  | м / м             | 30                |                         |                              |
| 21   |                      | Светильник РКУ33-250-002  | lamp [RKU]33-250-002  | шт/nos            | 7                 |                         |                              |
| 22   |                      | Лампа ДРЛ-250   | lamp [DRL]-250  | шт/nos            | 7                 |                         |                              |
| 23   |                      | Короб соединительный  | duct connecting   | шт/nos            | 6                 |                         |                              |
| 24   |                      | Кронштейн приставной  | bracket attached  | шт/nos            | 4                 |                         |                              |
| 25   |                      | Прожектор   | searchlight   | шт/nos            | 2                 |                         |                              |
| 26   |                      | Лампа ДРЛ-400   | lamp [DRL]-400  | шт/nos            | 2                 |                         |                              |
| 27   |                      | Кабель АВВГ 4х16мм2   | the cable [AVVG] of 4[kh]16[mm]2  | м / м             | 170               |                         |                              |
| 28   |                      | Кабель АВВГ 3х2,5мм2  | the cable [AVVG] of 3[kh]2,5[mm]2   | м / м             | 30                |                         |                              |
| 29   |                      | Выключатель двухклавишный   | switch two-key-actuated   | шт/nos            | 1                 |                         |                              |
|  |                      | <b>Итого по разделу 3</b>   | <b>Subtotal for 3</b>   |                   |                   |                         |                              |
| <b>Всего по разделам 1-3:</b>                                  |                      |   | <b>Total for section 1-3:</b>   |                   |                   |                         |                              |
| Административные затраты и прибыль подрядчика от прямых затрат |                      |   | Administration inputs and profit of contractor from direct work inputs:   |                   | %                 |                         |                              |

| № пп                                  | Шифр / Justification | Наименование работ и затрат | Description                    | Един. изм. / Unit | Кол-во /Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|---------------------------------------|----------------------|-----------------------------|--------------------------------|-------------------|------------------|-------------------------|------------------------------|
| <b>ВСЕГО по локальному смету 4-2:</b> |                      |                             | <b>Total on lokal BOQ 4-2:</b> |                   |                  |                         |                              |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

\_\_\_\_\_  
Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_

Signature of Bidder

Stamp

**Cost estim 5-1 Road surface, planting and small architecture forms.[SAF]**  
**Локальная смета 5-1 Дорожное покрытие, озеленение и МАФ**

| № пп                               | Шифр / Justification | Наименование работ и затрат  | Description  | Един. изм. / Unit               | Кол-во /Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|------------------------------------|----------------------|--|--|---------------------------------|------------------|-------------------------|------------------------------|
| <b>Раздел 1. Дорожное покрытие</b> |                      |  | <b>Chapter 1. Covering of roadway</b>  |                                 |                  |                         |                              |
|                                    |                      | <b>1. Асфальтобетонное покрытие</b>  | <b>1. Asphalt carpet (coat)</b>  |                                 |                  |                         |                              |
| 1                                  | ЭСН1-157-3           | Уплотнение грунта прицепными кулачковыми катками 8 т на первый проход по одному следу при толщине слоя 20 см   | Compaction of the soil by towed camshaft rollers of 8 tonn mass, to the first pass as of one track with given thickness of the layer 20 cm   | м <sup>3</sup> / m <sup>3</sup> | 138              |                         |                              |
| 2                                  | ЭСН27-25-2           | Устройство подстилающих и выравнивающих слоев оснований из песчано-гравийной смеси толщ. 10 см   | Installation of the underlying and leveling layers of foundation pit (basement) made of the sand-gravel composite of thicknesses - 10 cm   | м <sup>3</sup> / m <sup>3</sup> | 69.4             |                         |                              |
| 3                                  | ЭСН27-27-1           | Устройство оснований толщиной 15 см из щебня фракции 40-70 мм (при укатке каменных материалов с пределом прочности на сжатие свыше 98,1 (1000) МПа (кгс/см <sup>2</sup> )) однослойных | Installation of the foundation (of a thickness of 15 cm) from the crushed stone of fraction 40-70 mm (with the rolling of rock materials with the ultimate compression strength more than 98,1 (1000) MPa ([kgs]/[sm] <sup>2</sup> )) single-layer | м <sup>2</sup> / m <sup>2</sup> | 694              |                         |                              |
| 4                                  | ЭСН27-27-4           | На каждый 1 см изменения толщины слоя добавлять или исключать к нормам с 27-27-1 по 27-27-3  | For every 1 cm change in the thickness of the layer to add or to exclude as of standards from 27-27-1 to 27-27-3   | м <sup>2</sup> / m <sup>2</sup> | -694             |                         |                              |
| 5                                  | ЭСН27-66-3           | Устройство покрытия толщиной 4 см из горячих асфальтобетонных смесей плотных крупнозернистых типа АБ, плотность каменных материалов 2,5-2,9 т/м <sup>3</sup>                           | Installation of the coating of 4 cm thickness made of the hot asphalt-concrete composites of dense coarse-grained (type AB). Density of the rock materials of 2,5-2,9 [t]/[m] <sup>3</sup>   | м <sup>2</sup> / m <sup>2</sup> | 694              |                         |                              |
| 6                                  | ЭСН27-66-1           | Устройство покрытия толщиной 4 см из горячих асфальтобетонных смесей плотных мелкозернистых типа АБВ, плотность каменных материалов 2,5-2,9 т/м <sup>3</sup>                           | Installation of the coating of 4 cm thickness made of the hot asphalt-concrete composites of dense coarse-grained (type ABV). Density of the rock materials of 2,5-2,9 [t]/[m] <sup>3</sup>  | м <sup>2</sup> / m <sup>2</sup> | 694              |                         |                              |



| № пп                                       | Шифр / Justification | Наименование работ и затрат  | Description  | Един. изм. / Unit               | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|--|----------------------|--|--|---------------------------------|-------------------|-------------------------|------------------------------|
| 7  | ЭСН27-67-1           | При изменении толщины покрытия на 0,5 см исключать к норме 27-66-1                                     | In case of change of the thickness in coating for 0,5 cm to change for the standard 27-66-1                        | м <sup>2</sup> / m <sup>2</sup> | -694              |                         |                              |
| 8  | ЭСН27-14-2           | Установка бортовых камней бетонных при других видах покрытий   | Installation of the concrete border in case of other forms of coatings   | м / m                           | 259.75            |                         |                              |
|  |                      | <b>2. Лотковое сеть</b>  | <b>2. Tray-type network</b>  |                                 |                   |                         |                              |
| 9  | ЭСН11-2-4            | Устройство подстилающих слоев щебеночных   | Installation of the underlayers filled with a crushed stone  | м <sup>3</sup> / m <sup>3</sup> | 6.14              |                         |                              |
| 10   | ЭСН27-9-1            | Устройство водосбросных сооружений с проезжей части из продольных лотков из сборного бетона            | Installation of by-wash (axial tray) next by road, made of pre-assembled concrete                                  | м <sup>3</sup> / m <sup>3</sup> | 30.16             |                         |                              |
| 11   | ЭСН7-64-8            | Укладка плит покрытия  | Installation of covering slabs   | шт/nos                          | 15                |                         |                              |
|  |                      | <b>Итого по разделу 1:</b>   | <b>Subtotal for section 1:</b>   |                                 |                   |                         |                              |
| <b>Раздел 2. Озеленение</b>                |                      |  | <b>Chapter 2. Landscaping</b>  |                                 |                   |                         |                              |
| 1  | ЭСН47-46-6           | Посев газонов партерных, мавританских и обыкновенных вручную   | Manual planting of the grass-plat (parterre, Moorish and plain)  | м <sup>2</sup> / m <sup>2</sup> | 1657.1            |                         |                              |
| 2  | ЭСН47-70-3           | Уход за газонами обыкновенными   | Attendance after plain grass-plat  | м <sup>2</sup> / m <sup>2</sup> | 1657.1            |                         |                              |
|  |                      | <b>Итого по разделу 2:</b>   | <b>Subtotal for section 2:</b>   |                                 |                   |                         |                              |
| <b>Раздел 3. Малые архитектурные формы</b> |                      |  | <b>Chapter 3. Minor architectural structures</b>   |                                 |                   |                         |                              |
| 1  | ПРЦ                  | Установка торшеров   | Installation of stand lamps  | шт/nos                          | 4                 |                         |                              |
| 2  | ПРЦ                  | Установка урны   | Installation of ash cans   | шт/nos                          | 2                 |                         |                              |
|  |                      | <b>Плескательный бассейн ТИП-1</b>   | <b>Pool TYPE -1</b>  |                                 |                   |                         |                              |
| 3  | ЭСН1-192-2           | Разработка грунта вручную в траншеях глубиной до 2 м без креплений с откосами, группа грунтов 2        | Manual excavation works at the trenches of 2 m depth, with no slope lining. Soil type - 2                          | м <sup>3</sup> / m <sup>3</sup> | 37                |                         |                              |
| 4  | ЭСН11-2-1            | Устройство подстилающих слоев песчаных   | Installation of underlayers filled with sand composite   | м <sup>3</sup> / m <sup>3</sup> | 31.6              |                         |                              |
| 5  | ЭСН27-83-1           | Устройство бетонных плитных тротуаров с заполнением швов цементным раствором                           | Installation of concrete-slabby pavement, with filling of joints with cement composite                             | м <sup>2</sup> / m <sup>2</sup> | 36                |                         |                              |
| 6  | ЭСН27-83-1           | Устройство бетонных плитных тротуаров с заполнением швов цементным раствором (облицовка стен бассейна) | Installation of concrete-slabby pavement, with filling of joints with cement composite (wall covering of the pool) | м <sup>2</sup> / m <sup>2</sup> | 59                |                         |                              |
| 7  | ЭСН8-3-3             | Гидроизоляция стен, фундаментов горизонтальная оклеечная в 2 слоя                                      | Double-layer horizontal membrane waterproofing of the walls and foundations  | м <sup>2</sup> / m <sup>2</sup> | 50                |                         |                              |
| 8  | ЭСН16-6-2            | Прокладка трубопроводов отопления из стальных водогазопроводных неоцинкованных труб диаметром 20 мм    | Laying of steel, ungalvanized pipes allocated for heating - diameter 20 mm   | м                               | 10                |                         |                              |
| 9  | ЭСН16-6-3            | Прокладка трубопроводов отопления из стальных водогазопроводных неоцинкованных труб диаметром 25 мм    | Laying of steel, ungalvanized pipes allocated for heating - diameter 25 mm   | м                               | 6                 |                         |                              |

| № пп | Шифр / Justification | Наименование работ и затрат   | Description   | Един. изм. / Unit               | Кол-во / Quantity | Ст-ть ед-цы / Unit cost | Общая стоимость / Total cost |
|------|----------------------|---|---|---------------------------------|-------------------|-------------------------|------------------------------|
| 10   | ЭСН16-31-1           | Гидравлическое испытание трубопроводов систем отопления, водопровода и горячего водоснабжения диаметром до 50 мм                | Hydraulic testing of the pipelines allocated for heating, water pipe and hot water supply for diameter up to 50 mm          | m                               | 16                |                         |                              |
| 11   | ЭСН22-38-1           | Врезка в существующие сети из стальных труб стальных штуцеров (патрубков) диаметром 50 мм                                       | Fitting (joint) into existing networks of steel pipelines and steel branch pipes - diameter of 50 mm                        | joint                           | 2                 |                         |                              |
| 12   | ЭСН22-10-1           | Нанесение усиленной антикоррозионной битумно-резиновой или битумно-полимерной изоляции на стальные трубопроводы диаметром 50 мм | Putting enhanced anticorrosive bituminous- rubber or bituminous- polymeric isolation to the steel pipes - diameter of 50 mm | m                               | 16                |                         |                              |
| 13   | ЭСН22-22-5           | Установка фасонных частей стальных сварных диаметром 100-250 мм   | Installation of the steel welded fittings - diameter of 100-250 mm  | t                               | 0.03              |                         |                              |
| 14   | ЭСН16-10-2           | Прокладка трубопроводов отопления и водоснабжения из стальных электросварных труб диаметром 50 мм                               | Laying of heating and water supply pipelines. Pipes are electric-welded and made of steel, with a diameter of 50 mm         | m                               | 4                 |                         |                              |
| 15   | ЭСН16-10-4           | Прокладка трубопроводов отопления и водоснабжения из стальных электросварных труб диаметром 80 мм                               | Laying of heating and water supply pipelines. Pipes are electric-welded and made of steel, with a diameter of 80 mm         | m                               | 20                |                         |                              |
| 16   | ЭСН16-10-5           | Прокладка трубопроводов отопления и водоснабжения из стальных электросварных труб диаметром 100 мм                              | Laying of heating and water supply pipelines. Pipes are electric-welded and made of steel, with a diameter of 100 mm        | m                               | 20                |                         |                              |
| 17   | ЭСН16-30-2           | Врезки в действующие внутренние сети трубопроводов канализации диаметром 100 мм   | Fitting (joint) into existing intra-networks of sewerage pipelines - with a diameter of 100mm                               | joint                           | 0.44              |                         |                              |
| 18   | ЭСН15-128-4          | Масляная окраска металлических поверхностей решеток, переплетов, труб диаметром менее 50 мм и т.п., количество окрасок 2        | Double-layer oil painting of metallic surfaces, grillages, lacings, pipes ( $\varphi \geq 50\text{mm}$ ) and etc            | m <sup>2</sup> / m <sup>2</sup> | 18                |                         |                              |
|      |                      | <b>Итого по разделу 3:</b>  | <b>Subtotal for section 3:</b>  |                                 |                   |                         |                              |
|      |                      | <b>Всего по разделам 1-3:</b>   | <b>Total for section 1-3:</b>   |                                 |                   |                         |                              |
|      |                      | Административные затраты и прибыль подрядчика от прямых затрат  | Administration inputs and profit of contractor from direct work inputs:   |                                 | %                 |                         |                              |
|      |                      | <b>ВСЕГО по локальному смету 5-1:</b>   | <b>Total as of local BOQ 5-1:</b>   |                                 |                   |                         |                              |

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

\_\_\_\_\_  
Total sum (in words) and indicate the currency

Name of head of organization \_\_\_\_\_

Signature of Bidder

Stamp

### Bid Security (Bank Guarantee)

WHEREAS, \_\_\_\_\_ *[name of Bidder]* (hereinafter called "the Bidder") has submitted his Bid dated \_\_\_\_\_ *[date]* for the construction of \_\_\_\_\_ *[name of Contract]* (hereinafter called "the Bid").

KNOW ALL PEOPLE by these presents that We \_\_\_\_\_ *[name of Bank]* of \_\_\_\_\_ *[name of country]* having our registered office at \_\_\_\_\_ *[name of Employer]* (hereinafter called "the Bank") are bound unto \_\_\_\_\_ *[name of Employer]* (hereinafter called "the Employer") in the sum of US\$ 10,000 (*ten thousand US Dollars*) for which payment well and truly to be made to the said Employer, the Bank binds itself, its successors, and assigns by these presents.

SEALED with the Common Seal of the said Bank this \_\_\_\_\_ day of \_\_\_\_\_ 200\_\_\_\_.

THE CONDITIONS of this obligation are:

- (1) If, after Bid opening, the Bidder withdraws his Bid during the period of Bid validity specified in the Form of Bid;  
or
- (2) If the Bidder having been notified of the acceptance of his Bid by the Employer during the period of Bid validity:
  - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, if required; or
  - (b) fails or refuses to furnish the Performance Security, in accordance with the Instruction to Bidders; or
  - (c) does not accept the correction of the Bid Price pursuant to ITB,

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the Employer's having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of one or any of the three conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date **120 days** after the deadline for submission of bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE \_\_\_\_\_ SIGNATURE OF THE BANK \_\_\_\_\_

WITNESS \_\_\_\_\_ SEAL \_\_\_\_\_

*[signature, name, and address]*

## Performance Bank Guarantee

We [Bank name] have been informed that the United Nations Development Programme (hereinafter called "the UNDP") which has its Office in Dushanbe concluded on date \_\_\_\_\_ a contract [*contract title and No.*] with [*Name of the company*] hereinafter referred to as "the Contractor" whom has its headquarter in \_\_\_\_\_ at a total price of \_\_\_\_\_ US dollars (\$ \_\_\_\_\_), to execute [*Insert title of contract and brief description of works*].

Whereas it has been stipulated in the Contract that the Contractor shall furnish the UNDP with a Bank Guarantee by a recognized Bank for the sum specified thereafter as security for compliance with his obligations in accordance with the Contract,

Whereas we have agreed to give the UNDP such a Bank Guarantee

And according to this contract, UNDP is required to make an advance payment to the Contractor of \_\_\_\_\_ US\$, being \_\_\_\_ % of the total price.

Now therefore, this being stated, we, [BANK NAME] [BANK BRANCH], irrespective of the validity and the legal effect of the above mentioned contract and waiving all rights of objection and defense arising therefrom, hereby irrevocably affirm we are the Guarantor and responsible to you, and on behalf of the Contractor undertake to pay you, upon your first written demand and without cavil or argument any sum or sums within the limits of [INSERT AMOUNT OF GUARANTEE IN FIGURES AND IN WORDS] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed thereunder or of any of the Contract Documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid during 30 calendar days after the date of issue of the Taking-Over Certificate

This guarantee is revocable only with the written consent of the UNDP.

Parties hereby agree on the terms of this bank's guarantee letter.

SIGNATURE AND SEAL: \_\_\_\_\_  
Name of Bank/ Financial

Institution: \_\_\_\_\_

Adresse: \_\_\_\_\_

Sate: \_\_\_\_\_