Section 7: Price Schedule Form[[1]](#footnote-1)

The Bidder is required to prepare the Price Schedule as indicated in the Instruction to Bidders.

The Price Schedule must provide a detailed cost breakdown of all goods and related services to be provided, from unit price to lot prices. Separate figures must be provided for each functional grouping or category, if any.

**Prices provided shall exclude VAT, since UNDP is VAT exempt (relevant supporting document will be provided to the winning Bidder).**

In addition to the hard copy version, please, submit CD with an Excel file containing the financial offer.

Prices offered by Bidders in the Bill of Quantity (BOQ) are fixed. Bidders should neither change the BOQ text nor work quantity while submitting the offer. In the offer, Bidders should consider all the expenses for works, including transportation costs, materials storing, work insurance, testing and putting into operation, as well as temporary works or temporary constructions if they are required.

The BOQ must be composed in current prices.

**The BOQ must include information on country of origin and brand of material (where applicable).**

**LOT 1 - EMBANKMENT STRUCTURE ON THE RIVER JEJORE CHANNEL, VILLAGE KOMANDELI, ONI MUNICIPALITY**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| # | Description of works and expenditures, description of appliances | Unit of measurement | Quantity | Materials | Salary | Mechanisms and transport | Grant total |
|
| Per standard unit | Total | Country of Origin | Brand | Unit Price | Total | Unit Price | Total | Unit Price | Total |
|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|   | **I. Preparatory works** |   |   |   |   |   |   |   |   |   |   |   |   |
| 1 | Demolition of the remnants of the existing concrete wall using hydraulic hammers attached to the excavator | m3 |  | 728.00 |  |  |  |  |  |  |  |  |  |
|   | Excavator -- dragline 0.5 m3 | Machine/hrs. | 0.12 | 87.36 |  |  |  |  |  |  |  |  |  |
| 2 | Loading concrete fragments with a 0.65m3 bucket excavator, on a dumping truck | 1000 m3 |  | 0.73 |  |  |  |  |  |  |  |  |  |
|   | Labor expenditures | Man/hours | 16.80 | 12.23 |  |  |  |  |  |  |  |  |  |
|   | Excavator 0.65 m3 | Machine/hrs. | 37.60 | 27.37 |  |  |  |  |  |  |  |  |  |
|   | Other machines |  | 2.24 | 1.63 |  |  |  |  |  |  |  |  |  |
|   | Shingle | m3 | 0.06 | 0.04 |  |  |  |  |  |  |  |  |  |
| 3 | Moving the construction waste to a dumpsite at 3 km | t |  | 1,747.20 |  |  |  |  |  |  |  |  |  |
| 4 | For setting up temporary water diversion dam in the channel, cut an excessive accumulation section with a bulldozer by moving at 50m, piling at the side | 1000 m3 |  | 1.62 |  |  |  |  |  |  |  |  |  |
|   | Bulldozer 180 HP | Machine/hrs. | 18.13 | 29.37 |  |  |  |  |  |  |  |  |  |
|  | **II. Set up reinforced concrete wall length 130 meters** |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | Processing 2nd group soil (§ 33v) in the ditch and loading with a 0.65m3 bucket Excavator to a dump truck | 1000 m3 |  | 4.88 |  |  |  |  |  |  |  |  |  |
|   | Labor expenditures | Man/hours | 13.20 | 64.36 |  |  |  |  |  |  |  |  |  |
|   | Excavator 0.65 m3 | Machine/hrs. | 29.50 | 143.84 |  |  |  |  |  |  |  |  |  |
|   | Other machines |  | 2.10 | 10.24 |  |  |  |  |  |  |  |  |  |
|   | Shingle | m3 | 0.05 | 0.24 |  |  |  |  |  |  |  |  |  |
| 2 | Moving soil to the dumpsite 3 km | t |  | 9,508.20 |  |  |  |  |  |  |  |  |  |
| 3 | Process Category 3 soil (§ 6v) in a ditch manually, strengthening walls | 100 m3 |  | 7.84 |  |  |  |  |  |  |  |  |  |
|   | Labor expenditures | Man/hours | 404.40 | 3,170.50 |  |  |  |  |  |  |  |  |  |
| 4 | Solidify ditch walls | 100 m² |  | 8.32 |  |  |  |  |  |  |  |  |  |
|   | Labor expenditures | Man/hours | 44.20 | 367.74 |  |  |  |  |  |  |  |  |  |
|   | Machines |  | 7.58 | 63.07 |  |  |  |  |  |  |  |  |  |
|   | Logs 14-24cm | m3 | 0.43 | 3.58 |  |  |  |  |  |  |  |  |  |
|   | Board untreated IV grade. 40-60 mm | m3 | 1.61 | 13.40 |  |  |  |  |  |  |  |  |  |
|   | Materials |  | 0.49 | 4.08 |  |  |  |  |  |  |  |  |  |
| 5 | Loading manually processed soil (§ 6v) to a dump truck using 0.65m3 bucket excavator | 1000 m3 |  | 0.784 |  |  |  |  |  |  |  |  |  |
|   | Labor expenditures | Man/hours | 10.20 | 8.00 |  |  |  |  |  |  |  |  |  |
|   | Excavator 0.65 m3 | Machine/hrs. | 22.80 | 17.88 |  |  |  |  |  |  |  |  |  |
|   | Other materials |  | 2.09 | 1.64 |  |  |  |  |  |  |  |  |  |
|   | Crushed rock | m3 | 0.04 | 0.03 |  |  |  |  |  |  |  |  |  |
| 6 | Moving soil to the dumpsite at 3 km | t |  | 1,242.15 |  |  |  |  |  |  |  |  |  |
| 7 | Pump out water with two 60 m3/hr. pumps | Machine/hrs. |  | 30.00 |  |  |  |  |  |  |  |  |  |
|   | Pump 60m3/hr. | Machine/hrs. |  | 30.00 |  |  |  |  |  |  |  |  |  |
| 8 | Set up a lining under the support wall using crushed rock at 20 cm thickness | m3 |  | 117.00 |  |  |  |  |  |  |  |  |  |
|   | Main salary | Man/hours | 0.86 | 100.04 |  |  |  |  |  |  |  |  |  |
|   | Caterpillar Crane 10t | Machine/hrs. | 0.08 | 8.89 |  |  |  |  |  |  |  |  |  |
|   | Machines | machine | 0.27 | 31.94 |  |  |  |  |  |  |  |  |  |
|   | Crushed rock | m³ | 1.05 | 122.85 |  |  |  |  |  |  |  |  |  |
|   | Board processed IV grade. 40-60 mm | m³ | 0.01 | 1.09 |  |  |  |  |  |  |  |  |  |
| 9 | Set up foundation of a support wall using monolithic reinforced concrete B25 | 100 m3 |  | 11.328 |  |  |  |  |  |  |  |  |  |
|   | Main salary | Man/hours | 194.00 | 2,197.63 |  |  |  |  |  |  |  |  |  |
|   | Caterpillar Crane 10t | Machine/hrs. | 9.60 | 108.75 |  |  |  |  |  |  |  |  |  |
|   | Machines | Mach. | 21.80 | 246.95 |  |  |  |  |  |  |  |  |  |
|   | Concrete B25 | m³ | 101.50 | 1,149.79 |  |  |  |  |  |  |  |  |  |
|   | Cement solution | m³ | 0.69 | 7.82 |  |  |  |  |  |  |  |  |  |
|   | Formwork 25 mm | m² | 12.50 | 141.60 |  |  |  |  |  |  |  |  |  |
|   | Board processed IV grade. 40-60 mm | m³ | 0.13 | 1.47 |  |  |  |  |  |  |  |  |  |
|   | Other materials |  | 43.10 | 488.24 |  |  |  |  |  |  |  |  |  |
| 10 | Reinforcing project foundation | t |  | 35.668 |  |  |  |  |  |  |  |  |  |
|   | Main salary | Man/hours | 27.60 | 984.43 |  |  |  |  |  |  |  |  |  |
|   | Caterpillar Crane 10t | Machine/hrs. | 4.74 | 169.06 |  |  |  |  |  |  |  |  |  |
|   | Machines | Mach. | 6.80 | 242.54 |  |  |  |  |  |  |  |  |  |
|   | Armature A-I | t | 1.00 | 2.217 |  |  |  |  |  |  |  |  |  |
|   | Armature A-III | t | 1.00 | 33.451 |  |  |  |  |  |  |  |  |  |
|   | Other materials |  | 12.20 | 435.14 |  |  |  |  |  |  |  |  |  |
| 11 | Set up the body and shutting piece with monolithic reinforced concrete with concrete B25 (6,624+0,03) | 100 m3 |  | 6.654 |  |  |  |  |  |  |  |  |  |
|   | Main salary | Man/hours | 518.00 | 3,446.77 |  |  |  |  |  |  |  |  |  |
|   | Caterpillar Crane 10t | Machine/hrs. | 9.60 | 63.88 |  |  |  |  |  |  |  |  |  |
|   | Machines | Mach. | 23.10 | 153.71 |  |  |  |  |  |  |  |  |  |
|   | Concrete B25 | m³ | 101.50 | 675.38 |  |  |  |  |  |  |  |  |  |
|   | Cement solution | m³ | 2.66 | 17.70 |  |  |  |  |  |  |  |  |  |
|   | Formwork 25 mm | m² | 82.00 | 545.63 |  |  |  |  |  |  |  |  |  |
|   | Logs 3rd grade 14-24cm | m³ | 0.07 | 0.47 |  |  |  |  |  |  |  |  |  |
|   | Wooden beam III grade. 70 mm and over | m³ | 0.08 | 0.53 |  |  |  |  |  |  |  |  |  |
|   | Board processed IV grade. 25-32 mm | m³ | 0.08 | 0.53 |  |  |  |  |  |  |  |  |  |
|   | Board processed IV grade. 40-60 mm | m³ | 1.74 | 11.58 |  |  |  |  |  |  |  |  |  |
|   | Bolts | kg | 49.00 | 326.05 |  |  |  |  |  |  |  |  |  |
|   | Other materials |  | 61.20 | 407.22 |  |  |  |  |  |  |  |  |  |
| 12 | Reinforcing project concrete wall | t |  | 34.916 |  |  |  |  |  |  |  |  |  |
|   | Main salary | Man/hours | 27.60 | 963.68 |  |  |  |  |  |  |  |  |  |
|   | Caterpillar Crane 10t | Machine/hrs. | 4.74 | 165.50 |  |  |  |  |  |  |  |  |  |
|   | Machines | Mach. | 6.80 | 237.43 |  |  |  |  |  |  |  |  |  |
|   | Armature A-I | t | 1.00 | 2.054 |  |  |  |  |  |  |  |  |  |
|   | Armature A-III 32,2962+0,5662 | t | 1.00 | 32.862 |  |  |  |  |  |  |  |  |  |
|   | Other materials |  | 12.20 | 425.98 |  |  |  |  |  |  |  |  |  |
| 13 | Set up drainage holes in the wall d=150mm with polyethylene pipes l=1.0m | Ea. |  | 112.00 |  |  |  |  |  |  |  |  |  |
|   | Main salary | Man/hours | 0.89 | 99.68 |  |  |  |  |  |  |  |  |  |
|   | 15 cm diameter plastic pipes length 1.0m | m |  | 112.00 |  |  |  |  |  |  |  |  |  |
| 14 | Apply the waterproofing with hot bitumen solution at 2 layers | 100 m2 |  | 30.40 |  |  |  |  |  |  |  |  |  |
|   | Main salary | Man/hours | 46.00 | 1,398.40 |  |  |  |  |  |  |  |  |  |
|   | Bitumen emulsion | t | 0.21 | 6.38 |  |  |  |  |  |  |  |  |  |
|   | Other materials |  | 0.07 | 2.13 |  |  |  |  |  |  |  |  |  |
| 15 | Set up deformation protection joints Between the sections of wall | 100 m |  | 1.34 |  |  |  |  |  |  |  |  |  |
|   | Main salary | Man/hours | 199.00 | 267.26 |  |  |  |  |  |  |  |  |  |
|   | Mobile crane 1 t | Mach. Hours | 35.90 | 48.21 |  |  |  |  |  |  |  |  |  |
|   | Machines | Machine | 7.48 | 10.05 |  |  |  |  |  |  |  |  |  |
|   | Bitumen | t | 0.04 | 0.05 |  |  |  |  |  |  |  |  |  |
|   | Mastic for asphalt | t | 0.55 | 0.74 |  |  |  |  |  |  |  |  |  |
|   | Bolts | kg | 280.00 | 376.04 |  |  |  |  |  |  |  |  |  |
|   | Wooden beam III grade. 70 mm | m3 | 2.77 | 3.72 |  |  |  |  |  |  |  |  |  |
|   | Board processed II grade. 40-60 mm | m3 | 1.60 | 2.15 |  |  |  |  |  |  |  |  |  |
|   | Other materials |  | 0.05 | 0.07 |  |  |  |  |  |  |  |  |  |
| 16 | Loading the group 3 soil (§ 6v) moved into reserve using a 0.65m3 bucket excavator | 1000 m3 |  | 2.89 |  |  |  |  |  |  |  |  |  |
|   | Labor expenditures | Man/hours | 10.20 | 29.48 |  |  |  |  |  |  |  |  |  |
|   | excavator 0.65 m3 | Machine/hrs. | 22.80 | 65.89 |  |  |  |  |  |  |  |  |  |
|   | Other machines |  | 2.09 | 6.04 |  |  |  |  |  |  |  |  |  |
|   | Crushed rock | m3 | 0.04 | 0.12 |  |  |  |  |  |  |  |  |  |
| 17 | Moving soil from temporary reserve at 3 km | t |  | 5,635.50 |  |  |  |  |  |  |  |  |  |
| 18 | Soil backfilling behind the wall using 180 HP bulldozer moving at 50 meters | 1000 m3 |  | 1.392 |  |  |  |  |  |  |  |  |  |
|   | Bulldozer 180 HP | Machine/hrs. | 7.11 | 9.90 |  |  |  |  |  |  |  |  |  |
| 19 | Compacting soil with a pneumatic compactor | 100 m3 |  | 13.92 |  |  |  |  |  |  |  |  |  |
|   | Labor expenditures | Man/hours | 13.40 | 186.53 |  |  |  |  |  |  |  |  |  |
|   | Pneumatic compactor | Machine/hrs. | 13.00 | 180.96 |  |  |  |  |  |  |  |  |  |
| 20 | Dismantle the dam, with a bulldozer 50 m by moving towards the right bank | 1000 m3 |  | 1.62 |  |  |  |  |  |  |  |  |  |
|   | Bulldozer 180 HP | Machine/hrs. | 18.13 | 29.37 |  |  |  |  |  |  |  |  |  |
| 21 | Soil Road Point Straightening with Soil brought from temporary reservoir. Soil surfacing with bulldozer by moving 10m | 1000m3 |  | 0.16 |  |  |  |  |  |  |  |  |  |
|   | Bulldozer 180 HP | Machine/hrs. | 2.91 | 0.47 |  |  |  |  |  |  |  |  |  |
| 22 | Soil Compacting with pneumatic compactor | 100m3 |  | 1.60 |  |  |  |  |  |  |  |  |  |
|   | Labor expenditures | Man/hours | 13.40 | 21.44 |  |  |  |  |  |  |  |  |  |
|   | Pneumatic compactor | Machine/hrs. | 13.00 | 20.80 |  |  |  |  |  |  |  |  |  |
|   | **Total for Works** |  |  |  |  |  |  |  |  |  |  |  |  |
|   | Overhead Costs (%) |  |  |  |  |  |  |  |  |  |  |  |  |
|   | Planned Profit (%) |  |  |  |  |  |  |  |  |  |  |  |  |
|   | Other Costs *(if applicable, please specify)* |  |  |  |  |  |  |  |  |  |  |  |  |
|   | **GRAND TOTAL** |  |  |  |  |  |  |  |  |  |  |  |  |

**LOT 2 - EMBANKMENT STRUCTURE IN VILLAGE LEKSURA, LENTEKHI MUNICIPALITY**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| # | Description of works, costs and equipment | Unit of measurement | Qty. | Material | Wage | Mechanisms and vehicles | Sum |
|
| per standard unit | Total | Country of Origin | Brand | Unit price | Total | Unit price | Total | Unit price | Total |
|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|  | **I. Concrete channel L=90 m** |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | Dismantlement of old concrete channel | m3 |  | 8.00 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 10.20 | 81.60 |  |  |  |  |  |  |  |  |  |
|  | Other machines |  | 7.99 | 63.92 |  |  |  |  |  |  |  |  |  |
| 2 | Loading concrete segments using a 0.65m3 bucket excavator to a dump-truck | 1000 m3 |  | 0.01 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 16.80 | 0.13 |  |  |  |  |  |  |  |  |  |
|  | Excavator 0.65 m3 | Machine/hrs. | 37.60 | 0.30 |  |  |  |  |  |  |  |  |  |
|  | Other machines |  | 2.24 | 0.02 |  |  |  |  |  |  |  |  |  |
|  | Shingle | m3 | 0.06 | 0.00 |  |  |  |  |  |  |  |  |  |
| 3 | Relocation of construction waste into the dump site 3 km | t |  | 19.20 |  |  |  |  |  |  |  |  |  |
| 4 | Prepare ditch using an excavator, by dumping removed soil on the side | 1000 m3 |  | 0.31 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 9.96 | 3.05 |  |  |  |  |  |  |  |  |  |
|  | Excavator 0.65 m3 | Machine/hrs. | 22.30 | 6.82 |  |  |  |  |  |  |  |  |  |
| 5 | Level the surface of the ditch by hand | 1000 m2 |  | 0.20 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 216.00 | 43.63 |  |  |  |  |  |  |  |  |  |
| 6 | Set up lining of Shingle | 100 m3 |  | 0.19 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 218.00 | 42.07 |  |  |  |  |  |  |  |  |  |
|  | Other machines |  | 11.50 | 2.22 |  |  |  |  |  |  |  |  |  |
|  | Shingle | m3 | 139.00 | 26.83 |  |  |  |  |  |  |  |  |  |
| 7 | Set up lining of Sand | 100 m3 |  | 0.09 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 212.00 | 19.08 |  |  |  |  |  |  |  |  |  |
|  | Other machines |  | 0.10 | 0.01 |  |  |  |  |  |  |  |  |  |
|  | Sand | m3 | 110.00 | 9.90 |  |  |  |  |  |  |  |  |  |
| 8 | Set up reinforced concrete channel B-20 | 100 m3 |  | 0.79 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 319.00 | 253.29 |  |  |  |  |  |  |  |  |  |
|  | Pneumatic crane 25 t | Machine/hrs. | 42.80 | 33.98 |  |  |  |  |  |  |  |  |  |
|  | Machines | Mach. | 83.80 | 66.54 |  |  |  |  |  |  |  |  |  |
|  | Concrete B20 | m³ | 102.00 | 80.99 |  |  |  |  |  |  |  |  |  |
|  | timber round | m³ | 0.97 | 0.77 |  |  |  |  |  |  |  |  |  |
|  | wooden beam III grade 70 mm and above | m³ | 1.14 | 0.91 |  |  |  |  |  |  |  |  |  |
|  | Board untreated II grade. 40-60 mm | m3 | 1.37 | 1.09 |  |  |  |  |  |  |  |  |  |
|  | Board untreated III grade. 40-60 mm | m3 | 0.22 | 0.17 |  |  |  |  |  |  |  |  |  |
|  | Nuts and bolts | t | 0.03 | 0.02 |  |  |  |  |  |  |  |  |  |
|  | Wrought iron | kg | 51.50 | 40.89 |  |  |  |  |  |  |  |  |  |
|  | Other materials |  | 43.90 | 34.86 |  |  |  |  |  |  |  |  |  |
| 9 | Set up armature | t |  | 0.503 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 24.40 | 12.27 |  |  |  |  |  |  |  |  |  |
|  | armature A-I | t | 1.00 | 0.17 |  |  |  |  |  |  |  |  |  |
|  | armature A-III | t | 1.00 | 0.33 |  |  |  |  |  |  |  |  |  |
| 10 | Set up deformation protection joints between the sections of the wall | 100 m |  | 0.31 |  |  |  |  |  |  |  |  |  |
|  | Main salary | Man/hrs. | 199.00 | 61.69 |  |  |  |  |  |  |  |  |  |
|  | Mobile crane 1 t | Mach/hrs. | 35.90 | 11.13 |  |  |  |  |  |  |  |  |  |
|  | Machines | Mach. | 7.48 | 2.32 |  |  |  |  |  |  |  |  |  |
|  | Bitumen | t | 0.04 | 0.01 |  |  |  |  |  |  |  |  |  |
|  | Mastic for asphalt | t | 0.55 | 0.17 |  |  |  |  |  |  |  |  |  |
|  | Bolts | kg | 280.00 | 86.80 |  |  |  |  |  |  |  |  |  |
|  | Wooden beam III grade. 70 mm and above | m3 | 2.77 | 0.86 |  |  |  |  |  |  |  |  |  |
|  | Board processed II grade. 40-60 mm | m3 | 1.60 | 0.50 |  |  |  |  |  |  |  |  |  |
|  | Other materials |  | 0.05 | 0.02 |  |  |  |  |  |  |  |  |  |
| 11 | Apply waterproofing -- 2 layers of hot bitumen | 100 m2 |  | 3.91 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 56.40 | 220.52 |  |  |  |  |  |  |  |  |  |
|  | Machines | Mach | 4.09 | 15.99 |  |  |  |  |  |  |  |  |  |
|  | Bitumen | t | 0.45 | 1.76 |  |  |  |  |  |  |  |  |  |
|  | Cement solution | m³ | 0.75 | 2.93 |  |  |  |  |  |  |  |  |  |
|  | Other material |  | 26.50 | 103.62 |  |  |  |  |  |  |  |  |  |
| 12 | Set up backfill on both sides of the channel using the material removed from the ditch | 100 m3 |  | 1.55 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 206.00 | 319.30 |  |  |  |  |  |  |  |  |  |
| 13 | Loading remaining soil on dump-truck | 100 m3 |  | 1.51 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 13.20 | 19.93 |  |  |  |  |  |  |  |  |  |
|  | Excavator 0.65 m3 | Machine/hrs. | 29.50 | 44.55 |  |  |  |  |  |  |  |  |  |
|  | Other machines |  | 2.10 | 3.17 |  |  |  |  |  |  |  |  |  |
|  | Shingle | m3 | 0.05 | 0.08 |  |  |  |  |  |  |  |  |  |
| 14 | Moving soil into dump-site 3 km | t |  | 2.94 |  |  |  |  |  |  |  |  |  |
| 15 | Levelling soil on place via bulldozer, by moving at 50 meters | 1000 m3 |  | 0.15 |  |  |  |  |  |  |  |  |  |
|  | Bulldozer 180 HP | Mach/hrs. | 18.13 | 2.74 |  |  |  |  |  |  |  |  |  |
|  | **II. Set up reinforced concrete wall length 5 meters** |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 | Prepare a ditch using an excavator, by dumping removed soil on the side | 1000 m3 |  | 0.01 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 9.96 | 0.12 |  |  |  |  |  |  |  |  |  |
|  | Excavator 0.65 m3 | Mach/hrs. | 22.30 | 0.28 |  |  |  |  |  |  |  |  |  |
| 17 | Leveling ditch surface by hand | 1000 m2 |  | 0.0065 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 216.00 | 1.40 |  |  |  |  |  |  |  |  |  |
| 18 | Set up a lining under the support wall using Shingle and Sand 0,6+0,3 | m3 |  | 0.90 |  |  |  |  |  |  |  |  |  |
|  | Main salary | Man/hrs. | 0.86 | 0.77 |  |  |  |  |  |  |  |  |  |
|  | Caterpillar crane 10 t | Machine/hrs. | 0.08 | 0.07 |  |  |  |  |  |  |  |  |  |
|  | Machines | Mach. | 0.27 | 0.25 |  |  |  |  |  |  |  |  |  |
|  | Shingle | m³ | 1.05 | 0.63 |  |  |  |  |  |  |  |  |  |
|  | Sand | m | 1.05 | 0.32 |  |  |  |  |  |  |  |  |  |
|  | Board processed IV grade. 40-60 mm | m³ | 0.01 | 0.01 |  |  |  |  |  |  |  |  |  |
| 19 | Set up the body of a wall with monolithic reinforced concrete, concrete B20 | 100 m3 |  | 0.05 |  |  |  |  |  |  |  |  |  |
|  | Main salary | Man/hrs. | 518.00 | 25.90 |  |  |  |  |  |  |  |  |  |
|  | Caterpillar crane 10t | Mach/hrs. | 9.60 | 0.48 |  |  |  |  |  |  |  |  |  |
|  | Machines | Mach. | 23.10 | 1.16 |  |  |  |  |  |  |  |  |  |
|  | Concrete B20 | m³ | 101.50 | 5.08 |  |  |  |  |  |  |  |  |  |
|  | Cement solution | m³ | 2.66 | 0.13 |  |  |  |  |  |  |  |  |  |
|  | Mould boards thickness 25 | m² | 82.00 | 4.10 |  |  |  |  |  |  |  |  |  |
|  | Timber log III grade. 14-24 cm. | m³ | 0.07 | 0.00 |  |  |  |  |  |  |  |  |  |
|  | Wooden beam III grade. 70 mm and over | m³ | 0.08 | 0.00 |  |  |  |  |  |  |  |  |  |
|  | Board processed IV grade. 25-32 mm | m³ | 0.08 | 0.00 |  |  |  |  |  |  |  |  |  |
|  | Board processed IV grade. 40-60 mm | m³ | 1.74 | 0.09 |  |  |  |  |  |  |  |  |  |
|  | Bolts | kg | 49.00 | 2.45 |  |  |  |  |  |  |  |  |  |
|  | Other materials |  | 61.20 | 3.06 |  |  |  |  |  |  |  |  |  |
| 20 | Reinforcing the project concrete wall | t |  | 0.02 |  |  |  |  |  |  |  |  |  |
|  | Main salary | Man/hrs. | 27.60 | 0.45 |  |  |  |  |  |  |  |  |  |
|  | Caterpillar crane 10 t | Mach/hrs. | 4.74 | 0.08 |  |  |  |  |  |  |  |  |  |
|  | Machines | Mach. | 6.80 | 0.11 |  |  |  |  |  |  |  |  |  |
|  | Armature A-I | t | 1.00 | 0.01 |  |  |  |  |  |  |  |  |  |
|  | Armature A-III | t | 1.00 | 0.01 |  |  |  |  |  |  |  |  |  |
|  | Other materials |  | 12.20 | 0.20 |  |  |  |  |  |  |  |  |  |
| 21 | Apply waterproofing in 2 layers -- hot bitumen | 100 m2 |  | 0.17 |  |  |  |  |  |  |  |  |  |
|  | Main salary | Man/hrs. | 46.00 | 7.82 |  |  |  |  |  |  |  |  |  |
|  | Bitumen emulsion | t | 0.21 | 0.04 |  |  |  |  |  |  |  |  |  |
|  | Other materials |  | 0.07 | 0.01 |  |  |  |  |  |  |  |  |  |
| 22 | Organize a backfill on both sides of the wallusing the material removed from the ditch | 100 m3 |  | 0.08 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 206.00 | 16.27 |  |  |  |  |  |  |  |  |  |
| 23 | Loading remaining soil on a dump-truck | 100 m3 |  | 0.0046 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 13.20 | 0.06 |  |  |  |  |  |  |  |  |  |
|  | Excavator 0.65 m3 | Mach/hrs. | 29.50 | 0.14 |  |  |  |  |  |  |  |  |  |
|  | Other machines |  | 2.10 | 0.01 |  |  |  |  |  |  |  |  |  |
|  | Shingle | m3 | 0.05 | 0.00 |  |  |  |  |  |  |  |  |  |
| 24 | Moving soil to dump-site 3 km | t |  | 0.01 |  |  |  |  |  |  |  |  |  |
| 25 | Level soil on place with a bulldozer by moving at 50 meters | 1000 m3 |  | 0.0046 |  |  |  |  |  |  |  |  |  |
|  | Bulldozer 180 HP | Machine/hrs. | 18.13 | 0.08 |  |  |  |  |  |  |  |  |  |
|  | **III. Set up gabion barrages** |  |  |  |  |  |  |  |  |  |  |  |  |
| 26 | Level the surface under gabions manually | 1000 m2 |  | 0.01 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 216.00 | 1.08 |  |  |  |  |  |  |  |  |  |
| 27 | Cost of gabion stones | m3 |  | 4.00 |  |  |  |  |  |  |  |  |  |
| 28 | Set up gabion barrage1.0X1.0X2.0 m 2.7 mm galvanized wire, cell size 8X10cm | m3 |  | 4.00 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 4.57 | 18.28 |  |  |  |  |  |  |  |  |  |
|  | Machines | Mach. | 0.14 | 0.56 |  |  |  |  |  |  |  |  |  |
|  | Value of gabion boxes including partitions with 2.7mm wire | Ea. |  | 2.00 |  |  |  |  |  |  |  |  |  |
|  | Cost of wire for linking Ø 2.2mm (per box 2,12 kg wire) | kg | 2.12 | 4.24 |  |  |  |  |  |  |  |  |  |
|  | **IV Arranging bar overlap** |  |  |  |  |  |  |  |  |  |  |  |  |
| 29 | preparing bar frame | t |  | 3.16 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 63.40 | 200.44 |  |  |  |  |  |  |  |  |  |
|  | machines |  | 0.17 | 0.54 |  |  |  |  |  |  |  |  |  |
|  | angular | t | 1.00 | 0.81 |  |  |  |  |  |  |  |  |  |
|  | armature for the net | t | 1.00 | 2.35 |  |  |  |  |  |  |  |  |  |
|  | electrodes | kg. | 0.12 | 0.38 |  |  |  |  |  |  |  |  |  |
|  | other materials |  | 2.78 | 8.79 |  |  |  |  |  |  |  |  |  |
|  | **V Recovering the holed road** |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | surfacing territory with the bulldozer | 1000 m2 |  | 0.44 |  |  |  |  |  |  |  |  |  |
|  | Bulldozer 180 HP | Machine/hrs. | 0.21 | 0.09 |  |  |  |  |  |  |  |  |  |
| 31 | arranging trenches **(0.3X0.3m)** manually to put the pipe | 100 m3 |  | 0.02 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 206.00 | 4.12 |  |  |  |  |  |  |  |  |  |
| 32 | Set up lining of Sand | 100 m3 |  | 0.00 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 212.00 | 0.64 |  |  |  |  |  |  |  |  |  |
|  | Other machines |  | 0.10 | 0.00 |  |  |  |  |  |  |  |  |  |
|  | Sand | m3 | 110.00 | 0.33 |  |  |  |  |  |  |  |  |  |
| 33 | plastic pipe d=250mm | m |  | 16.00 |  |  |  |  |  |  |  |  |  |
|  | Labor expenses | Man/hrs. | 0.32 | 5.17 |  |  |  |  |  |  |  |  |  |
|  | Machines |  | 0.14 | 2.24 |  |  |  |  |  |  |  |  |  |
|  | **Plastic pipe** | **m** | 1.01 | 16.16 |  |  |  |  |  |  |  |  |  |
|  | other materials |  | 0.01 | 0.23 |  |  |  |  |  |  |  |  |  |
|  | **Total for Works** |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Overhead Costs (%) |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Planned Profit (%) |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Other Costs *(if applicable, please specify)* |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **GRAND TOTAL** |  |  |  |  |  |  |  |  |  |  |  |  |

**LOT 3 - EMBANKMENT STRUCTURE ON THE RIVER RIONI, VILLAGE SAJAVAKHO, SAMTREDIA MUNICIPALITY**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| # | Description of Works | Unit of measurement | Quantity | Materials | Salary | Mechanisms and transport | Grant total |
|
| per standard unit | Total | Country of Origin | Brand | Unit Price | Total | Unit price | Total | Unit price | Total |
|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 1 | The cost of Ø1.1 meter rock in a quarry loaded on an auto dump truck (volume weight 2.4 t/m³) | m3 |  | 8,052.00 |  |  |  |  |  |  |  |  |  |
| 2 | Transport rock and unload | t |  | 19,234.80 |  |  |  |  |  |  |  |  |  |
| 3 | Set up a protection layer of dumped rock berm using a pioneer method | 1000 m3 |  | 8.05 |  |  |  |  |  |  |  |  |  |
|  | Labor expenditures | Man/hr. | 4.64 | 37.36 |  |  |  |  |  |  |  |  |  |
|  | Bulldozer 180 HP. | Mach/hr. | 13.70 | 110.31 |  |  |  |  |  |  |  |  |  |
| 5 | Make a dump behind a berm using a bulldozer at 10 m | 1000 m3 |  | 0.39 |  |  |  |  |  |  |  |  |  |
|  | Bulldozer 180 HP. | Mach/hr. | 3.78 | 1.48 |  |  |  |  |  |  |  |  |  |
| 6 | Move ballast and unloading | t |  | 627.20 |  |  |  |  |  |  |  |  |  |
| 7 | Cost of ballast in the quarry | m3 |  | 392.00 |  |  |  |  |  |  |  |  |  |
| 8 | Set up a temporary road on top of the berm (set up gravel) with a bulldozer at 10 m | 1000 m3 |  | 0.12 |  |  |  |  |  |  |  |  |  |
|  | Bulldozer 180 HP | Mach/hr. | 3.78 | 0.45 |  |  |  |  |  |  |  |  |  |
| 9 | Move ballast and unloading it | t |  | 192.00 |  |  |  |  |  |  |  |  |  |
| 10 | Cost of ballast in a quarry | m3 |  | 120.00 |  |  |  |  |  |  |  |  |  |
|  | **Total for Works** |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Overhead Costs (%) |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Planned Profit (%) |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Other Costs *(if applicable, please specify)* |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **GRAND TOTAL** |  |  |  |  |  |  |  |  |  |  |  |  |

1. *No deletion or modification may be made in this form. Any such deletion or modification may lead to the rejection of the Bid.* [↑](#footnote-ref-1)