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| **Building the sewerage system in Sculeni village, Ungheni district (wastewater treatment plant, pump station) (Stage I)** | WinСмета2000Form No. 1 |
| (name of the site) |  |

List with quantities of works No. 2-1-1

Bid-estimate No. 2-1-1

**Main wastewater pump station No. 4 Construction works**

 (name of works)

**Bid currency - USD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No  | Symbol of the norm and resource code | Type of works  | U.M. | Quantity  | Price per unit of measure, USD (including the salary)  | Total, $ (col.5 x col.6) |
|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | Chapter 1. Construction works |  |  |  |  |
|  |  | Chapter 1.1. Embankment works  |  |  |  |  |
| 1 | TsC03B1 p. К=З=1.00; М=1.00; Ш=1.00 | Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in the storage of ground cat. II. | 100 m3 | 3.40 |  |  |
|  2 | TsA05E1p. К=З=1.00; М=1.00; Ш=1.00 | Manual excavation of land, in confined space, having the width over 1m, executed in inclined banks, without supporters, up to 6m depth, with manual evacuation, in foundations, basements, sewers, drains etc., in soils with natural humidity, depth of digging 2.01-4 m of middle ground | m3 | 10.91 |  |  |
|  3 | TsD03A1p. К=З=1.00; М=1.00; Ш=1.00 | Filling in loose land coming from the fields of category I or II and category III or IV, executed with caterpillar tractor-based bulldozer 81-180 HP, in layers with thickness of 15-20 cm, land field of category I or II  | 100 m3 | 3.02 |  |  |
|  4 | TsD01Bp. К=З=1.00; М=1.00; Ш=1.00 | Filling in with shovel the loose land, in uniform layers, 10-30 cm thick for ground bedding, soil from middle ground  | m3 | 9.67 |  |  |
|  5 | TsD05Bp. К=З=1.00; М=1.00; Ш=1.00 | Compacting with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil  | 100 m3 | 3.12 |  |  |
|  6 | TsC03F1 p. К=З=1.00; М=1.00; Ш=1.00 | Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in motor-cars, ground cat. II - surplus soil | 100 m3 | 0.39 |  |  |
|  7 | TsI50A3p. К=З=1.00; М=1.00; Ш=1.00 | Transportation of the ground with the dumper at a distance of 3 km | t | 58.84 |  |  |
|  8 | TsC51Bp. К=З=1.00; М=1.00; Ш=1.00 | Works for unloading the soil in the storage, ground category II  | 100 m3 | 0.39 |  |  |
|  9 | TsC50Bp. К=З=1.00; М=1.00; Ш=1.00 | Repairing and maintaining the natural roads when transporting the soil, for every 0.5 km, land field category II  | 100 m3 | 0.39 |  |  |
|   |  | Chapter 1.2. Pre-manufactured elements  |  |  |  |  |
| 10 | TsC53Bp. К=З=1.00; М=1.00; Ш=1.00 | Compacting the soil with crushed stone | 100 m2 | 0.25 |  |  |
|  11 | CA02Cp. К=З=1.00; М=1.00; Ш=1.00 | Simple concrete poured in equalization, slabs at the height of 35m inclusively, prepared with the concrete plant or concrete of type art. CA01, pouring with classical means - B7,5 | m3 | 0.85 |  |  |
|  12 | AcE15Ap. К=З=1.00; М=1.00; Ш=1.00 | Executing the manholes from the reinforced concrete pre-manufactured elements, for sewerage, circular (ring-type) with diameter of 3,0 m, in the field without underground water  | m3 | 5.74 |  |  |
|  13 | Market pricep. К=З=1.00; М=1.00; Ш=1.00 | Pre-manufactured element CTR-1 V=1.01m3 | pcs | 4.00 |  |  |
|  14 | Market pricep. К=З=1.00; М=1.00; Ш=1.00 | Pre-manufactured element CTN-1, V=1.74m3 | pcs | 1.00 |  |  |
|  15 | AcE09Bp. К=З=1.00; М=1.00; Ш=1.00 | Mounting the iron-concrete stairs with D-12mm, at the manholes or channels, executed in concrete tubes  | pcs | 18.00 |  |  |
|  16 | VC34Ap. К=З=1.00; М=1.00; Ш=1.00 | Production and installation of the anchoring and supporting device, for devices, channels , special parts etc. from profiled steel, having the weight up to 5 kg per piece - to support the rings | kg | 22.50 |  |  |
|  17 | Market pricep. К=1.00 | Bolt nuts M12 | pcs | 36.00 |  |  |
|  18 | Market pricep. К=1.00 | Collars M12 | pcs | 36.00 |  |  |
|  19 | SA34Ip. К=З=1.00; М=1.00; Ш=1.00 | Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls - steel pipe d=250mm | pcs | 1.00 |  |  |
|  20 | SA34Ip. К=З=1.00; М=1.00; Ш=1.00 | Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls - steel pipe d=150mm | pcs | 3.00 |  |  |
|  21 | SA34Gp. К=З=1.00; М=1.00; Ш=1.00 | Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, having the diameter 4" - steel pipe d=100mm | pcs | 1.00 |  |  |
|  22 | IzF20Ap. К=З=1.00; М=1.00; Ш=1.00 | Sealing the expansion joints and compacting them into boards, walls and reinforced concrete skeleton, by partial filling the holes, in outward or inward direction, with bituminous hemp fiber, glued with bitumen mastic  | m | 2.51 |  |  |
|   |  | Chapter 1.3. Monolith foundation Fm1 (2 units) |  |  |  |  |
| 23 | CB01Cp. К=З=1.00; М=1.00; Ш=1.00 | Formwork from softwood planks to pour the concrete into FU foundation elements, excluding the construction supporters with heights of up to 20m inclusively  | m2 | 1.00 |  |  |
|  24 | CC01Bp. К=З=1.00; М=1.00; Ш=1.00 | Reinforced concrete steel shaped in OB 37 construction shops, with bars over 8 mm diameter inclusively  | kg | 12.00 |  |  |
|  25 | CA04Fp. К=З=1.00; М=1.00; Ш=1.00 | Concrete poured in slabs , beams , columns , prepared with the concrete plant or concrete-commodity according to art. CA01 and pouring with classical means B15  | m3 | 0.14 |  |  |
|   |  | Chapter 1.4. Foundation FM2 |  |  |  |  |
| 26 | CB01Cp. К=З=1.00; М=1.00; Ш=1.00 | Formwork from softwood planks to pour the concrete into foundation elements, excluding the construction supporters with heights of up to 20m inclusively - FM2 foundation | m2 | 9.42 |  |  |
|  27 | CC01Ap. К=З=1.00; М=1.00; Ш=1.00 | Reinforced concrete steel shaped in OB 37 construction shops, with bars up to 8 mm diameter inclusively  | kg | 33.00 |  |  |
|  28 | CC01Bp. К=З=1.00; М=1.00; Ш=1.00 | Reinforced concrete steel shaped in OB 37 construction shops, with bars over 8 mm diameter inclusively  | kg | 117.00 |  |  |
|  29 | CA04Fp. К=З=1.00; М=1.00; Ш=1.00 | Concrete poured in slabs , beams , columns , prepared with the concrete plant or concrete-commodity according to art. CA01 and pouring with classical means B15  | m3 | 2.52 |  |  |
|   |  | Chapter 1.5. Monolith panel- roof  |  |  |  |  |
| 30 | CB01Cp. К=З=1.00; М=1.00; Ш=1.00 | Formwork from softwood planks to pour the concrete into FU foundation elements, excluding the construction supporters with heights of up to 20m inclusively, for monolith panel  | m2 | 7.16 |  |  |
|  31 | CB11Bp. К=З=1.00; М=1.00; Ш=1.00 | Supporters with extended inventory props used for installation of the prefabricated plates, of the floor plates, when casting the slabs which are partially or totally monolith with beams or monolith beams with prefabricated slabs type PE 5100 R | pcs | 4.00 |  |  |
|  32 | CB14Ap. К=З=1.00; М=1.00; Ш=1.00 | Tubular metallic scaffold for works on vertical areas for heights up to 30 m inclusively, with immobilization of the scaffold for 25 days (200 hours) | m2 | 7.16 |  |  |
|  33 | CC01Bp. К=З=1.00; М=1.00; Ш=1.00 | Reinforced concrete steel shaped in OB 37 construction shops, with bars over 8 mm diameter inclusively  | kg | 17.50 |  |  |
|  34 | CC01Ap. К=З=1.00; М=1.00; Ш=1.00 | Reinforced concrete steel shaped in OB 37 construction shops, with bars up to 8 mm diameter inclusively  | kg | 17.50 |  |  |
|  35 | CA04Fp. К=З=1.00; М=1.00; Ш=1.00 | Concrete poured in slabs , beams , columns , prepared with the concrete plant or concrete-commodity according to art. CA01 and pouring with classical means B15  | m3 | 0.90 |  |  |
|  36 | AcE07Bp. К=З=1.00; М=1.00; Ш=1.00 | Mounting iron or iron-concrete covers without the support element, at the manholes of the water and sewerage supply installations, non-passable of type II A and B - G | pcs | 1.00 |  |  |
|  37 | CG42Ap. К=З=1.00; М=1.00; Ш=1.00 | Flooring from smoothed resinous thick wood boards, sections of 100x60 (h) mm, impregnated with linoleum applied in two layers, in premised larger than 16 m2, located on the soles of wooden beams - wooden lid | m2 | 1.02 |  |  |
|  38 | CK40Ap. К=З=1.00; М=1.00; Ш=1.00 | The coating of the door with asbestos-based galvanized board: from one side - for the wooden lid  | m2 | 1.02 |  |  |
|   |  | Chapter 1.6. Insulation |  |  |  |  |
| 39 | IzF30Bp. К=З=1.00; М=1.00; Ш=1.00 | Hydro-insulating layer executed on concrete surfaces with “Penebar”, fitting in the junctions and delicate levelling: hydro-insulating materials | m2 | 5.00 |  |  |
|  40 | IzF30Ap. К=З=1.00; М=1.00; Ш=1.00 | Hydro-insulating layer executed on concrete surfaces with “Penecrit”, fitting in the junctions and delicate levelling: hydro-insulating materials | m2 | 13.00 |  |  |
|  41 | IzF31Bp. К=З=1.00; М=1.00; Ш=1.00 | Waterproofing the concrete surfaces (vertical ones, horizontal ones, including the ceilings) with “Penetron” mixture - 2 layers: rough surface  | m2 | 41.70 |  |  |
|   |  | Chapter 1.7. Monolith foundation under the lifting device |  |  |  |  |
| 42 | CB01Cp. К=З=1.00; М=1.00; Ш=1.00 | Formwork from softwood planks to pour the concrete into FU foundation elements, excluding the construction supporters with heights of up to 20m inclusively  | m2 | 2.83 |  |  |
|  43 | CC01Bp. К=З=1.00; М=1.00; Ш=1.00 | Reinforced concrete steel shaped in OB 37 construction shops, with bars over 8 mm diameter inclusively  | kg | 3.00 |  |  |
|  44 | CA04Fp. К=З=1.00; М=1.00; Ш=1.00 | Concrete poured in slabs , beams , columns , prepared with the concrete plant or concrete-commodity according to art. CA01 and pouring with classical means B15  | m3 | 0.54 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Transportation of materials (ПЗ) \* %  |  |  |  |  |
|  |  | Storage of materials (ПЗ+Transp) \* %  |  |  |  |  |
|  |  | Social and health insurance (ПЗ+Transp+Storage) 24 %  |  |  |  |  |
|  |  | Total ПЗ+Transp+Storage+Insurance  |  |  |  |  |
|  |  | Overhead costs (ПЗ+Transp+Storage+Inurance) \* %  |  |  |  |  |
|  |  | Total ПЗ+Transp+Storage+Insrance+Overhead costs  |  |  |  |  |
|  |  | Estimate benefit (ПЗ+Transp+Storage+Insurance+Overhead) \* %  |  |  |  |  |
|  |  | Total ПЗ+Transp+Storage+Insurance+Overhead+Benefi | 100.00 + |  |  |  |

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|  | Total: |  |  |  |  |
|  | Total estimates: |  |  |  |  |

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|  (position, signature) |

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| **Building the sewerage system and wastewater treatment plant in Sculeni village, Ungheni district (Stage I)** | WinСмета2000Form No. 1 |
| (name of the site) |  |

List with quantities of works No. 2-1-2

Bid-estimate No. 2-1-2

**Wastewater pump station Technological equipment**

(name of works)

**Bid currency - USD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No  | Symbol of the norm and resource code | Type of works  | U.M. | Quantity  | Price per unit of measure, USD (including the salary)  | Total, $ (col.5 x col.6) |
|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | Chapter 1. Construction works |  |  |  |  |
| 1 | M1A01Ap. К=З=1.00; М=1.00; Ш=1.00 | Carbon steel containers (tanks, vessels, reservoirs), delivered assembled, mounted by simple placement, having a total weight of up to 1 ton - (container) non-standard equipment | t | 0.075 |  |  |
|  2 | VB28Ap. К=З=1.00; М=1.00; Ш=1.00 | Circular type deflector with perimeter 900 - 1600 mm, type CR I and CN -cap on the ventilation duct d=110 | piece | 1.00 |  |  |
|  3 | VC07Ap. К=З=1.00; М=1.00; Ш=1.00 | Mounting axial fans, window fans, with the weight of 3.6 - 8.2 kg, with engine  | piece | 2.00 |  |  |
|  4 | AcA04Bp. К=З=1.00; М=1.00; Ш=1.00 | Mounting the steel pipes, assembled via electrical welding, with the diameter of 125-150 mm - stainless steel pipe D=108x4  | m | 9.70 |  |  |
|  5 | AcA25Bp. К=З=1.00; М=1.00; Ш=1.00 | Mounting through electrical welding the linking pieces from steel, in a certain position, with the diameter of 125-250 mm - stainless steel bend d=108x4 | piece | 2.00 |  |  |
|  6 | AcA25Bp. К=З=1.00; М=1.00; Ш=1.00 | Mounting through electrical welding the linking pieces from steel, in a certain position, with the diameter of 125-250 mm - stainless steel T-bend, d = 108x4 | piece | 2.00 |  |  |
|  7 | CL17CК=З=1.00; М=1.00; Ш=1.00 | Diverse metallic confections, mounted apparently: diverse (external stairs in case of fire, etc.) exclusively parapets, railings, manhole covers, etc. - stainless steel metallic confections | kg | 99.01 |  |  |
|  8 | SA34HК=З=1.00; М=1.00; Ш=1.00 | Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, having the diameter 5" - PEHD pipe d=125 mm Pn6 | piece | 2.00 |  |  |
|  9 | SA34FК=З=1.00; М=1.00; Ш=1.00 | Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, having the diameter 3" - PEHD pipe d=75mm Pn6 | piece | 1.00 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Transportation costs (ПЗ) \* %  |  |  |  |  |
|  |  | Storage costs (ПЗ+Overhead) \*%  |  |  |  |  |
|  |  | Social and health insurance (ПЗ+Overhead+Overhead) \* 24 %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance  |  |  |  |  |
|  |  | Overhead costs (ПЗ+Overhead+Overhead+Insurance) %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance+Overhead  |  |  |  |  |
|  |  | Estimate benefit (ПЗ+Overhead+Overhead+Insurance+Overhead) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance+Overhead+Benefit | 100.00 + |  |  |  |
|   |  | Chapter 2. Mounting works |  |  |  |  |
| 10 | AcC07BК=З=1.00; М=1.00; Ш=1.00 | Mounting on the existing position the centrifugal pumps, with horizontal axis type EMU 10.34-258E | piece | 2.00 |  |  |
|  11 | M1C19Ap. К=З=1.00; М=1.00; Ш=1.00 | Winch with mechanical or hydraulic tripping, flaps, valves, doors, slings, with own weight up to 5 t. - stationary pulley P/G 0.25t  | t | 0.25 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Transportation costs (ПЗ) \* %  |  |  |  |  |
|  |  | Materials’ storage costs (ПЗ+Overhead) %  |  |  |  |  |
|  |  | Social and health insurance (ПЗ+Overhead+Overhead) \* 24 %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance  |  |  |  |  |
|  |  | Overhead costs (ПЗ+Overhead+Overhead+Insurance) %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance+Overhead  |  |  |  |  |
|  |  | Estimate benefit (ПЗ+Overhead+Overhead+Insurance+Overhead) %  |  |  |  |  |
|  |  | Estimate total ПЗ+Overhead+Overhead+Insurance+Overhead+Benefit  | 100.00 + |  |  |  |
|   |  | Chapter 3. Equipment  |  |  |  |  |
|  |  | Chapter 3.1. Technological equipment  |  |  |  |  |
| 12 | market priceК=З=1.00; М=1.00; Ш=1.00 | Pump Wilo EMU FA10.34-258, N=7,5, Q=20,63, h=20,56m with control panel or analog | piece | 2.00 |  |  |
|  13 | Market priceК=З=1.00; М=1.00;  | Stationary pulley P/G 0.25t | piece | 1.00 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Storage costs (ПЗ) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead  | 100.00 + |  |  |  |
|  | Total: |  |  |  |  |
|  | Total estimates: |  |  |  |  |

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| **Building the sewerage system and wastewater treatment plant in Sculeni village, Ungheni district (Stage I)** | WinСмета2000Form No. 1 |
| (name of the site) |  |

List with quantities of works No. 2-1-3

Offer-estimate No. 2-1-3

**Wastewater pump station SP. Under-pressure network C1P**

(name of works)

**Bid currency - USD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No  | Symbol of the norm and resource code | Type of works  | U.M. | Quantity  | Price per unit of measure, USD (including the salary)  | Total, $ (col.5 x col.6) |
|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | Chapter 1. Construction works |  |  |  |  |
| 1 | SA14Ip. К=З=1.00; М=1.00; Ш=1.00 | Pipe of plastic material, combined through poly-fusion welding, in industrial constructions, having the diameter of 90 mm - PEDH pipe 100Pn d=90 mm  | m | 10.00 |  |  |
|  2 | SA14Fp. К=З=1.00; М=1.00; Ш=1.00 | Pipe of plastic material, combined through poly-fusion welding, in industrial constructions, having the diameter of 50 mm - PEHD pipe 100 d=50mm Pn10  | m | 9.50 |  |  |
|  3 | AcA53Bp. К=З=1.00; М=1.00; Ш=1.00 | Assembling the fittings through electro-fusion. Combining through electro-fusion welding the pipes and the polyethylene fittings (sleeves, bends, T-joints), the pipes having the diameter 75, 90 mm. Note: the type of polyethylene fittings (sleeves, bends, T-bends) shall be included according to the design - bend PHD 90' d=90 mm | piece | 2.00 |  |  |
|  4 | Market pricep. К=1.00 | Stainless steel chain 2\*6  | m | 14.00 |  |  |
|  5 | AcA52Cp. К=З=1.00; М=1.00; Ш=1.00 | Polyethylene pipe for water supply tubes, mounted in ditch, with diameter 90 mm. Note: the type of the polyethylene pipe and of the warning strap will be included according to the design - pipe PEHD d=90 mm | m | 3.60 |  |  |
|  6 | AcA53Bp. К=З=1.00; М=1.00; Ш=1.00 | Assembling the fittings through electro-fusion. Combining through electro-fusion welding the pipes and the polyethylene fittings (sleeves, bends, T-joints), the pipes having the diameter 75,90 mm. Note: the type of polyethylene fittings (sleeves, bends, T-joints) shall be included according to the design - flange pump connection d=80/90  | piece | 2.00 |  |  |
|  7 | SA37Hp. К=З=1.00; М=1.00; Ш=1.00 | Bracelet for fixing the pipes for water and gas supply, from steel or PVC, flush mounted through flushing, ducts having the diameter of 90 mm  | piece | 8.00 |  |  |
|  8 | AcA53Bp. К=З=1.00; М=1.00; Ш=1.00 | Assembling the fittings through electro-fusion. Combining through electro-fusion welding the pipes and the polyethylene fittings (sleeves, bends, T-joints), the pipes having the diameter 75, 90 mm. Note: the type of polyethylene fittings (sleeves, bends, T-bends) shall be included according to the design - electrofusion sleeve joint PE100 d=90mm | piece | 2.00 |  |  |
|  9 | AcA53Ap. К=З=1.00; М=1.00; Ш=1.00 | Assembling the fittings through electro-fusion. Combining through electro-fusion welding the pipes and the polyethylene fittings (sleeves, bends, T-joints), the pipes having the diameter 20, 25, 32, 40, 50, 63 mm. Note: the type of polyethylene fittings (sleeves, bends, T-bends) shall be included according to the design - PHD bend d=50 mm | piece | 1.00 |  |  |
|  10 | AcA53Ap. К=З=1.00; М=1.00; Ш=1.00 | Assembling the fittings through electro-fusion. Combining through electro-fusion welding the pipes and the polyethylene fittings (sleeves, bends, T-joints), the pipes having the diameter 20, 25, 32, 40, 50, 63 mm. Note: the type of polyethylene fittings (sleeves, bends, T-bends) shall be included according to the design - PHD T-bend d=50 mm | piece | 1.00 |  |  |
|  11 | SA14Fp. К=З=1.00; М=1.00; Ш=1.00 | Pipe of plastic material, combined through poly-fusion welding, in industrial constructions, having the diameter of 50 mm - PEHD perforated pipe 100 d=50mm  | m | 4.50 |  |  |
|  12 | SA37Fp. К=З=1.00; М=1.00; Ш=1.00 | Bracelet for fixing the pipes for water and gas supply, from steel or PVC, flush mounted through ducts having the diameter of 2"  | piece | 8.00 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Transportation costs (ПЗ) \* %  |  |  |  |  |
|  |  | Storage costs (ПЗ+Overhead) \*%  |  |  |  |  |
|  |  | Social and health insurance (ПЗ+Overhead+Overhead) 24 %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance  |  |  |  |  |
|  |  | Overhead costs (ПЗ+Overhead+Overhead+Insurance) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance+Overhead  |  |  |  |  |
|  |  | Estimate benefit (ПЗ+Overhead+Overhead+Insurance+Overhead) \*%  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance+Overhead+Benefi  | 100.00 + |  |  |  |

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|  | Total: |  |  |  |  |
|  | Total estimates: |  |  |  |  |

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| **Building the sewerage system and wastewater treatment plant in Sculeni village, Ungheni district (Stage I)** | WinСмета2000Form No. 1 |
| (name of the site) |  |

List with quantities of works No. 2-1-4

Offer-estimate No. 2-1-4

**Pump station Power electrical equipment**

(name of works)

**Bid currency - USD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No  | Symbol of the norm and resource code | Type of works  | U.M. | Quantity  | Price per unit of measure, USD (including the salary)  | Total, $ (col.5 x col.6) |
|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | Chapter 1. Construction works |  |  |  |  |
| 1 | CB02Ap. К=З=1.00; М=1.00; Ш=1.00 | Reusable formwork panels with short and very short wood boarding planks to pour the concrete in bearings, foundations and foundations glass and foundation equipment including support | m2 | 5.25 |  |  |
|  2 | CA03Gp. К=З=1.00; М=1.00; Ш=1.00 | Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01 - concrete B15 | m3 | 1.50 |  |  |
|  3 | TsA02Ep. К=З=1.00; М=1.00; Ш=1.00 | Manual excavation of land in confined spaces , having 1.00m or more in width, made without support, with sloping embankment foundations, channels, basements, drainage ways, stairs, in very cohesive or medium cohesive ground, with a depth up to 1.5 m middle ground  | m3 | 5.10 |  |  |
|  4 | TsD18Bp. К=З=1.00; М=1.00; Ш=1.00 | Compacted filling of the ditches, for the buried cables of high voltage electricity lines, made with ground came from medium grounds | m3 | 5.10 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Transportation costs (ПЗ) \* %  |  |  |  |  |
|  |  | Storage of materials (ПЗ+Overhead) \* %  |  |  |  |  |
|  |  | Insurance (ПЗ+Overhead+Storage) \* 24 %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Storage+Insurance  |  |  |  |  |
|  |  | Overhead costs (ПЗ+Overhead+Storage+Insurance) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Storage+Insurance+Overhead  |  |  |  |  |
|  |  | Estimate benefit (ПЗ+Overhead+Storage+Insurance+Overhead) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Storage+Insurance+Overhead+Benefit  | 100.00 + |  |  |  |
|   |  | Chapter 2. Mounting works |  |  |  |  |
|  |  | Chapter 2.1. Networks  |  |  |  |  |
| 5 | 08-03-573-4p. К=З=1.00; М=1.00; Ш=1.00 | Suspended command box (switchboard), height, width, and depth, mm, up to: 600х600х350 | pcs | 1.00 |  |  |
|  6 | 08-03-603-1p. К=З=1.00; М=1.00; Ш=1.00 | Command panel ЩРН 18э 1 36 | pcs | 1.00 |  |  |
|  7 | 08-03-521-15p. К=З=1.00; М=1.00; Ш=1.00 | Switcher with lever on a plate with central or lateral trigger or trigger with a bar, mounted on metallic support, with three poles, power up to 250 A  | pcs | 1.00 |  |  |
|  8 | 08-03-526-1p. К=З=1.00; М=1.00; Ш=1.00 | Mono-, bi-, three-poles automate, mounted on the wall or column construction, electricity up to 25 A | pcs | 1.00 |  |  |
|  9 | 08-03-530-4p. К=З=1.00; М=1.00; Ш=1.00 | Magnetic starter of common destination, separated, mounted on the wall or column construction, electricity up to 40 A | pcs | 1.00 |  |  |
|  10 | 08-03-532-1p. К=З=1.00; М=1.00; Ш=1.00 | Command post (switchboard) with buttons, common destination, mounted on construction on the floor, quantity of the post’s elements up to 3  | pcs | 1.00 |  |  |
|  11 | 08-03-481-20p. К=З=1.00; М=1.00; Ш=1.00 | Preparing the machines for testing, launch into control and start, connection to the electricity lines, alternative power machine with short-circuited rotor, weight up to 0.15 t | pcs | 2.00 |  |  |
|  12 | 08-02-407-2p. К=З=1.00; М=1.00; Ш=1.00 | Steel pipe on installed constructions on walls fixing with clamps, diameter up to 40 mm  | 100 m | 0.03 |  |  |
|  13 | 08-02-410-1p. К=З=1.00; М=1.00; Ш=1.00 | Polyethylene pipe on the floor stand, diameter up to 25 mm | 100 m | 0.04 |  |  |
|  14 | 08-02-142-1p. К=З=1.00; М=1.00; Ш=1.00 | Executing the bedding for one single cable in the ditch  | 100 m | 0.07 |  |  |
|  15 | 08-02-142-2p. К=З=1.00; М=1.00; Ш=1.00 | Every subsequent cable will be added at the standard 08-01-142-1 | 100 m | 0.07 |  |  |
|  16 | 08-02-148-1p. К=З=1.00; М=1.00; Ш=1.00 | Cable up to 35 kV in pipes, blocks, and laid-down cases, mass 1 m up to: 1 kg | 100 m | 0.07 |  |  |
|  17 | 08-02-158-14p. К=З=1.00; М=1.00; Ш=1.00 | Dried terminal for the cable with 3-4 conductors with insulation from plastic and rubber, pressure up to 1kV , section of a conductor up to 35 mm2  | pcs | 8.00 |  |  |
|  18 | 08-03-545-5p. К=З=1.00; М=1.00; Ш=1.00 | Box with clips for cables and leads, sections up to 10 mm2 , mounted on the wall or column construction, quantity of clips up to 4  | pcs | 1.00 |  |  |
|  19 | Market pricep. К=1.00 | Hardware  | kg | 10.00 |  |  |
|  20 | 08-02-472-1p. К=З=1.00; М=1.00; Ш=1.00 | Horizontal ground plate made of round steel with a diameter of 12 mm  | 100 m | 0.10 |  |  |
|  21 | 08-02-472-7p. К=З=1.00; М=1.00; Ш=1.00 | Grounding conductor, open, on construction bases, from steel strips with profiles 160 mm2 | 100 m | 0.10 |  |  |
|   |  | Chapter 2.2. Non-calculated materials for power equipment  |  |  |  |  |
| 22 | Market pricep. К=1.00 | Cable АВБбШв 5х16  | m | 10.00 |  |  |
|  23 | Market price p. К=1.00 | Cable ВВГ 5х4 | m | 5.00 |  |  |
|  24 | Market price p. К=1.00 | Cable ВВГ 4х2,5  | m | 5.00 |  |  |
|  25 | Market price p. К=1.00 | Cable ВВГ 3х1,5  | m | 5.00 |  |  |
|  26 | Market pricep. К=1.00 | Steel pipe d=40mm  | m | 4.00 |  |  |
|  27 | Market pricep. К=1.00 | Corrugated pipe d=25mm  | m | 4.00 |  |  |
|  28 | Market price p. К=1.00 | Assembling box КУП 1101 | pcs | 1.00 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Transportation costs (ПЗ) \* %  |  |  |  |  |
|  |  | Storage costs (ПЗ+Overhead) \*%  |  |  |  |  |
|  |  | Social and health insurance (ПЗ+Overhead+Overhead) \* 24 %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance  |  |  |  |  |
|  |  | Overhead costs (ПЗ+Overhead+Overhead+Insurance) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance+Overhead  |  |  |  |  |
|  |  | Estimate benefit (ПЗ+Overhead+Overhead+Insurance+Overhead) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance+Overhead+Benefi  | 100.00 + |  |  |  |
|   |  | Chapter 3. Equipment cost  |  |  |  |  |
| 29 | Market priceК=1.00 | Metal box construction size 600x600x210mm | pcs | 1.00 |  |  |
|  30 | Market priceК=1.00 | Module of metallic box size ЩРН 18 size 265x440x120 mm | pcs | 1.00 |  |  |
|  31 | Market price К=1.00 | Switch with lever ВH 32-3P, I=50A | pcs | 1.00 |  |  |
|  32 | Market priceК=1.00 | Three-poles circuit breaker ВА 47-29, I=16A | pcs | 1.00 |  |  |
|  33 | Market priceК=1.00 | Three-poles circuit breaker ВА 47-29, I=10A | pcs | 1.00 |  |  |
|  34 | Market priceК=1.00 | One-pole circuit breaker ВА 47-29, I=10A | pcs | 3.00 |  |  |
|  35 | Market price К=1.00 | Starter КМИ 10911 | pcs | 1.00 |  |  |
|  36 | Market price К=1.00 | Command button КМЕ 011  | pcs | 1.00 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Storage costs (ПЗ) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead  | 100.00 + |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Total: |  |  |  |  |
|  | Total estimates: |  |  |  |  |

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| **Building the sewerage system and wastewater treatment plant in Sculeni village, Ungheni district (Stage I)** | WinСмета2000Form No. 1 |
| (name of the site) |  |

List with quantities of works No. 2-1-5

Bid-estimate No. 2-1-5

**Wastewater pump station Manholes**

**Bid currency - USD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No  | Symbol of the norm and resource code | Type of works  | U.M. | Quantity  | Price per unit of measure, USD (including the salary)  | Total, $ (col.5 x col.6) |
|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | Chapter 1. Construction works |  |  |  |  |
| 1 | SA34Hp. К=З=1.00; М=1.00; Ш=1.00 | Manufacturing, mounting, and cementing the protection tube when the pipes go through the walls, having the diameter 5” -PE00 protection tube, D=125 mm, SDR26 Pn6 | piece | 4.00 |  |  |
|  2 | AcA26Ap. К=З=1.00; М=1.00; Ш=1.00 | Combining the flanges of the linking pieces, flanges, including the blind flanges and fittings, with the diameter 50-100 mm - cast iron equal T-bend d=80mm  | piece | 2.00 |  |  |
|  3 | AcA53Bp. К=З=1.00; М=1.00; Ш=1.00 | Assembling the fittings through electro-fusion. Combining through electro-fusion welding the pipes and the polyethylene fittings (sleeves, bends, T-joints), the pipes having the diameter 75, 90 mm. Note: the type of polyethylene fittings (sleeves, bends, T-joints) shall be included according to the design - assembling the flange at the pipe end d=80/90 mm | piece | 4.00 |  |  |
|  4 | Market pricep. К=1.00 | Rubber fitting d=80 mm  | piece | 12.00 |  |  |
|  5 | AcA26Ap. К=З=1.00; М=1.00; Ш=1.00 | Combining the flanges of the linking pieces, flanges, including the blind flanges and fittings, with the diameter 50-100 mm - cast iron reduced T-bend d=80/50mm 50 mm | piece | 1.00 |  |  |
|  6 | AcA53Bp. К=З=1.00; М=1.00; Ш=1.00 | Assembling the fittings through electro-fusion. Combining through electro-fusion welding the pipes and the polyethylene fittings (sleeves, bends, T-joints), the pipes having the diameter 75, 90 mm. Note: the type of polyethylene fittings (sleeves, bends, T-joints) shall be included according to the design - assembling the flange at the pipe end d=50 mm | piece | 1.00 |  |  |
|  7 | SA34Fp. К=З=1.00; М=1.00; Ш=1.00 | Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, having the diameter 3" - PE100 d=75x2,9 mm SDR26 Pn6 | piece | 1.00 |  |  |
|  8 | AcB01Ap. К=З=1.00; М=1.00; Ш=1.00 | Assembling the fitting with manual or mechanic triggering (valves, taps, faucets) on the water supply or sewerage pipes, with the diameter 50-100 mm - rubber drawer tap Pn16 d=50 mm | piece | 1.00 |  |  |
|  9 | AcA52Ap. К=З=1.00; М=1.00; Ш=1.00 | Polyethylene pipe for water supply tubes, mounted in ditch, with diameter 20, 25, 32, 40, 50, 63 mm. Note: the type of the polyethylene pipe and of the warning strap will be included according to the design - PEH100 d=50 mm SDR27,6 Pn10  | m | 15.00 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Transportation costs (ПЗ) \* %  |  |  |  |  |
|  |  | Storage costs 2% (ПЗ+Overhead) \*%  |  |  |  |  |
|  |  | Social and health insurance (ПЗ+Overhead+Overhead) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance  |  |  |  |  |
|  |  | Overhead costs (ПЗ+Overhead+Overhead+Insurance) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance+Overhead  |  |  |  |  |
|  |  | Estimate benefit (ПЗ+Overhead+Overhead+Insurance+Overhead) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance+Overhead+Benefi  | 100.00 + |  |  |  |
|   |  | Chapter 2. Mounting works |  |  |  |  |
| 10 | AcB01Ap. К=З=1.00; М=1.00; Ш=1.00 | Assembling the fitting with manual or mechanic triggering (valves, taps, faucets) on the water supply or sewerage pipes, with the diameter 50-100 mm - rubber drawer tap d=80 mm | piece | 4.00 |  |  |
|  11 | AcB01Ap. К=З=1.00; М=1.00; Ш=1.00 | Assembling the fitting with manual or mechanic triggering (valves, taps, faucets) on the water supply or sewerage pipes, with the diameter 50-100 mm - check valve d=80 mm | piece | 2.00 |  |  |
|   |  | Total  |  MDL  |  |  |  |
|  |  | Social and health insurance (ПЗ+Overhead+Overhead) \* 24 %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance  |  |  |  |  |
|  |  | Overhead costs (ПЗ+Overhead+Overhead+Insurance) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance+Overhead  |  |  |  |  |
|  |  | Estimate benefit (ПЗ+Overhead+Overhead+Insurance+Overhead) \* %  |  |  |  |  |
|  |  | Estimate total ПЗ+Overhead+Overhead+Insurance+Overhead+Benefit  | 100.00 + |  |  |  |
|   |  | Chapter 3. Equipment  |  |  |  |  |
| 12 | market priceК=З=1.00; М=1.00; Ш=1.00 | Cast iron drawer tap with rubber cleat Pn16 d=80mm  | piece | 4.00 |  |  |
|  13 | Market priceК=З=1.00; М=1.00; Ш=1.00 | Cast iron check valve d=80mm  | piece | 2.00 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Storage costs (ПЗ) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead  | 100.00 + |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Total: |  |  |  |  |
|  | Total estimates: |  |  |  |  |

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| **Building the sewerage system in Sculeni village, Ungheni district (wastewater treatment plant, pump station) (Stage I)** | WinСмета2000Form No. 1 |
| (name of the site) |  |

List with quantities of works No. 2-2-1

Bid-estimate No. 2-2-1

**Homogenization tank - storage and automated wastewater pump station Construction works**

(name of works)

**Bid currency - USD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No  | Symbol of the norm and resource code | Type of works  | U.M. | Quantity  | Price per unit of measure, USD (including the salary)  | Total, $ (col.5 x col.6) |
|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | Chapter 1. Construction works |  |  |  |  |
|  |  | Chapter 1.1. Embankment works  |  |  |  |  |
| 1 | TsC03B1 p. К=З=1.00; М=1.00; Ш=1.00 | Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in the storage of ground cat. II. | 100 m3 | 2.81 |  |  |
|  2 | TsA05E1p. К=З=1.00; М=1.00; Ш=1.00 | Manual excavation of land, in confined space, having the width over 1m, executed in inclined banks, without supporters, up to 6m depth, with manual evacuation, in foundations, basements, sewers, drains etc., in soils with natural humidity, depth of digging 2.01-4 m of middle ground | m3 | 9.05 |  |  |
|  3 | TsD03A1p. К=З=1.00; М=1.00; Ш=1.00 | Filling in loose land coming from the fields of category I or II and category III or IV, executed with caterpillar tractor-based bulldozer 81-180 HP, in layers with thickness of 15-20 cm, land field of category I or II  | 100 m3 | 1.72 |  |  |
|  4 | TsD01Bp. К=З=1.00; М=1.00; Ш=1.00 | Filling in with shovel the loose land, in uniform layers, 10-30 cm thick for ground bedding, soil from middle ground  | m3 | 6.00 |  |  |
|  5 | TsD05Bp. К=З=1.00; М=1.00; Ш=1.00 | Compacting with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil  | 100 m3 | 1.78 |  |  |
|  6 | TsC03F1 p. К=З=1.00; М=1.00; Ш=1.00 | Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in motor-cars, ground cat. II - surplus soil | 100 m3 | 1.12 |  |  |
|  7 | TsI50A3p. К=З=1.00; М=1.00; Ш=1.00 | Transportation of the ground with the dumper at a distance of 3 km | t | 168.00 |  |  |
|  8 | TsC51Bp. К=З=1.00; М=1.00; Ш=1.00 | Works for unloading the soil in the storage, ground category II  | 100 m3 | 1.12 |  |  |
|  9 | TsC50Bp. К=З=1.00; М=1.00; Ш=1.00 | Repairing and maintaining the natural roads when transporting the soil, for every 0.5 km, land field category II  | 100 m3 | 1.12 |  |  |
|   |  | Chapter 1.2. Monolith pool Bm1 |  |  |  |  |
| 10 | TsC53Bp. К=З=1.00; М=1.00; Ш=1.00 | Compacting the soil with crushed stone | 100 m2 | 0.57 |  |  |
|  11 | CA02Cp. К=З=1.00; М=1.00; Ш=1.00 | Simple concrete poured in equalization, slabs at the height of 35m inclusively, prepared with the concrete plant or concrete of type art. CA01, pouring with classical means - B7,5 | m3 | 3.60 |  |  |
|  12 | CB01Cp. К=З=1.00; М=1.00; Ш=1.00 | Formwork from softwood planks to pour the concrete into FU foundation elements, excluding the construction supporters with heights of up to 20m inclusively  | m2 | 305.49 |  |  |
|  13 | CB14Ap. К=З=1.00; М=1.00; Ш=1.00 | Tubular metallic scaffold for works on vertical areas for heights up to 30 m inclusively, with immobilization of the scaffold for 25 days (200 hours) | m2 | 305.49 |  |  |
|  14 | CC01Ap. К=З=1.00; М=1.00; Ш=1.00 | Fittings shaped from OB 37 reinforced concrete in on-site construction shops, with diameter of bars up to 8 mm inclusively | kg | 222.00 |  |  |
|  15 | CC01Bp. К=З=1.00; М=1.00; Ш=1.00 | Fittings shaped from OB 37 reinforced concrete in on-site construction shops, with diameter of bars over to 8 mm inclusively | kg | 5169.50 |  |  |
|  16 | CL57Ap. К=З=1.00; М=1.00; Ш=1.00 | Mounting and fixing the pieces embedded in monolith reinforced concrete: with weight under 4 kg  | kg | 122.40 |  |  |
|  17 | SA34Ip. К=З=1.00; М=1.00; Ш=1.00 | Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, having the diameter d=244.5x6mm | pcs | 4.00 |  |  |
|  18 | SA34Ip. К=З=1.00; М=1.00; Ш=1.00 | Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, having the diameter d=140x5mm | pcs | 3.00 |  |  |
|  19 | SA34Ip. К=З=1.00; М=1.00; Ш=1.00 | Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, having the diameter d=83x5mm | pcs | 3.00 |  |  |
|  20 | SA34Ip. К=З=1.00; М=1.00; Ш=1.00 | Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, having the diameter d=273x6mm | pcs | 1.00 |  |  |
|  21 | SA34Ip. К=З=1.00; М=1.00; Ш=1.00 | Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, having the diameter d=180x6mm | pcs | 1.00 |  |  |
|  22 | CA04Fp. К=З=1.00; М=1.00; Ш=1.00 | Concrete poured in slabs , beams , columns , prepared with the concrete plant or concrete-commodity according to art. CA01 and pouring with classical means B20, W4, F150 in walls | m3 | 52.00 |  |  |
|  23 | CA04Fp. К=З=1.00; М=1.00; Ш=1.00 | Concrete poured in slabs , beams , columns , prepared with the concrete plant or concrete CA01 and pouring with classical means - concrete B7.5 for setting the concrete slope | m3 | 3.60 |  |  |
|   |  | Chapter 1.3. Monolith platform Pm1 |  |  |  |  |
| 24 | CB01Cp. К=З=1.00; М=1.00; Ш=1.00 | Formwork from softwood planks to pour the concrete into FU foundation elements, excluding the construction supporters with heights of up to 20m inclusively, for monolith panel  | m2 | 35.27 |  |  |
|  25 | CB11Bp. К=З=1.00; М=1.00; Ш=1.00 | Supporters with extended inventory props used for installation of the prefabricated plates, of the floor plates, when casting the slabs which are partially or totally monolith with beams or monolith beams with prefabricated slabs type PE 5100 R | pcs | 30.00 |  |  |
|  26 | CB14Ap. К=З=1.00; М=1.00; Ш=1.00 | Tubular metallic scaffold for works on vertical areas for heights up to 30 m inclusively, with immobilization of the scaffold for 25 days (200 hours) | m2 | 33.15 |  |  |
|  27 | CC01Ap. К=З=1.00; М=1.00; Ш=1.00 | Fittings shaped from OB 37 reinforced concrete in on-site construction shops, with diameter of bars up to 8 mm inclusively | kg | 52.00 |  |  |
|  28 | CC01Bp. К=З=1.00; М=1.00; Ш=1.00 | Fittings shaped from OB 37 reinforced concrete in on-site construction shops, with diameter of bars over to 8 mm inclusively | kg | 1645.00 |  |  |
|  29 | CA04Fp. К=З=1.00; М=1.00; Ш=1.00 | Concrete poured in slabs , beams , columns , prepared with the concrete plant or concrete-commodity according to art. CA01 and pouring with classical means B20, W4, F150 in the platform | m3 | 18.00 |  |  |
|  30 | CL57Bp. К=З=1.00; М=1.00; Ш=1.00 | Assembling and fixing the ready-made pieces embedded in monolith reinforced concrete: with weight under 10 kg  | kg | 128.80 |  |  |
|   |  | Chapter 1.4. Metallic lid (4 pieces) |  |  |  |  |
| 31 | CL18Ap. К=З=1.00; М=1.00; Ш=1.00 | Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete - metallic lid Cm1 | kg | 144.80 |  |  |
|  32 | CN20Bp. К=З=1.00; М=1.00; Ш=1.00 | Interior or exterior painting applied to metal plumbing using alkyd enamel in 2 layers, including the primer | m2 | 10.56 |  |  |
|   |  | Chapter 1.5. Insulation |  |  |  |  |
| 33 | 41-01-008-7p. К=З=1.00; М=1.00; Ш=1.00 | Insulation by painting on the vertical concrete surfaces: with warm bitumen in two layers - on the outside | 100 m2 | 1.42 |  |  |
|  34 | IzF31Bp. К=З=1.00; М=1.00; Ш=1.00 | Waterproofing the concrete surfaces (vertical ones, horizontal ones, including the ceilings) with “Penetron” mixture - 2 layers: inner surface of walls | m2 | 179.59 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Transportation of materials (ПЗ) \* %  |  |  |  |  |
|  |  | Storage of materials (ПЗ+Transp) \* %  |  |  |  |  |
|  |  | Social and health insurance (ПЗ+Transp+Storage) \* 24%  |  |  |  |  |
|  |  | Total ПЗ+Transp+Storage+Insurance  |  |  |  |  |
|  |  | Overhead costs (ПЗ+Transp+Storage+Inurance) \* %  |  |  |  |  |
|  |  | Total ПЗ+Transp+Storage+Insrance+Overhead costs  |  |  |  |  |
|  |  | Estimate benefit (ПЗ+Transp+Storage+Insurance+Overhead) %  |  |  |  |  |
|  |  | Total ПЗ+Transp+Storage+Insurance+Overhead+Benefit  | 100.00 + |  |  |  |

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| --- | --- | --- | --- | --- | --- |
|  | Total: |  |  |  |  |
|  | Total estimates: |  |  |  |  |

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| **Building the sewerage system and wastewater treatment plant in Sculeni village, Ungheni district (Stage I)milestone** | WinСмета2000Form No. 1 |
| (name of the site) |  |

List with quantities of works No. 2-2-2

Bid-estimate No. 2-2-2

**Water treatment plant Technological equipment**

(name of works)

**Bid currency - USD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No  | Symbol of the norm and resource code | Type of works  | U.M. | Quantity  | Price per unit of measure, USD (including the salary)  | Total, $ (col.5 x col.6) |
|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | Chapter 1. Equipment  |  |  |  |  |
| 1 | Market pricep. К=З=1.000; М=1.000; Ш=1.000 | Waste water treatment plant type MMBR Q-120m3/day Technological equipment or analog  | set | 1.000 |  |  |
|   |  | Chapter 2. Assembly, adjustment and start-up works  |  |  |  |  |
| 2 | Market pricep. К=З=1.000; М=1.000; Ш=1.000 | Waste water treatment plant type MMBR Q-120m3/day or analogAssembling and adjusting  | set | 1.000 |  |  |

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| --- | --- | --- | --- | --- | --- |
|  | Total: |  |  |  |  |
|  | Total estimates: |  |  |  |  |

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| **Building the sewerage system in Sculeni village, Ungheni district (wastewater treatment plant, pump station) (Stage I)** | WinСмета2000Form No. 1 |
| (name of the site) |  |

List with quantities of works No. 2-2-3

Bid-estimate No. 2-2-3

**Platform for module, equipment**

(name of works)

**Bid currency - USD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No  | Symbol of the norm and resource code | Type of works  | U.M. | Quantity  | Price per unit of measure, USD (including the salary)  | Total, $ (col.5 x col.6) |
|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | Chapter 1. Construction works |  |  |  |  |
| 1 | TsC03B1 p. К=З=1.00; М=1.00; Ш=1.00 | Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in the storage of ground cat. II. | 100 m3 | 0.64 |  |  |
|  2 | TsA05E1p. К=З=1.00; М=1.00; Ш=1.00 | Manual excavation of land, in confined space, having the width over 1m, executed in inclined banks, without supporters, up to 6m depth, with manual evacuation, in foundations, basements, sewers, drains etc., in soils with natural humidity, depth of digging 2.01-4 m of middle ground | m3 | 2.23 |  |  |
|  3 | TsC03F1 p. К=З=1.00; М=1.00; Ш=1.00 | Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in motor-cars, ground cat. II - surplus soil | 100 m3 | 0.66 |  |  |
|  4 | TsI50A3p. К=З=1.00; М=1.00; Ш=1.00 | Transportation of the ground with the dumper at a distance of 3 km | t | 99.00 |  |  |
|  5 | TsC51Bp. К=З=1.00; М=1.00; Ш=1.00 | Works for unloading the soil in the storage, ground category II  | 100 m3 | 0.66 |  |  |
|  6 | TsC50Bp. К=З=1.00; М=1.00; Ш=1.00 | Repairing and maintaining the natural roads when transporting the soil, for every 0.5 km, land field category II  | 100 m3 | 0.66 |  |  |
|  7 | TsC54Cp. К=З=1.00; М=1.00; Ш=1.00 | Foundation layer of gravel  | m3 | 66.20 |  |  |
|  8 | TsD09A1p. К=З=1.00; М=1.00; Ш=1.00 | Compacting with the roller of 2.5-5 t, with caterpillar tractor of 65-80 h.p. of the fitting, in successive layers of 20-30 cm thickness after compacting, excluding the watering of every layer separately, the earth fillings being executed from cohesive ground  | 100 m3 | 0.662 |  |  |
|  9 | CB01Cp. К=З=1.00; М=1.00; Ш=1.00 | Formwork from softwood planks to pour the concrete into FU foundation elements, excluding the construction supporters with heights of up to 20m inclusively  | m2 | 24.50 |  |  |
|  10 | CC01Bp. К=З=1.00; М=1.00; Ш=1.00 | Fittings shaped from OB 37 reinforced concrete in on-site construction shops, with diameter of bars over 8 mm inclusively | kg | 2886.00 |  |  |
|  11 | CC01Ap. К=З=1.00; М=1.00; Ш=1.00 | Fittings shaped from OB 37 reinforced concrete in on-site construction shops, with diameter of bars up to 8 mm inclusively | kg | 70.00 |  |  |
|  12 | CA02Cp. К=З=1.00; М=1.00; Ш=1.00 | Simple concrete poured in equalization, slabs at the height of 35m inclusively, prepared with the concrete plant according to art. CA01 or concrete-commodity, poured with classical means - B 7.5 | m3 | 12.70 |  |  |
|  13 | CA04Fp. К=З=1.00; М=1.00; Ш=1.00 | Concrete poured in slabs , beams , columns , prepared with the concrete plant or concrete-commodity according to art. CA01 and pouring with classical means B20  | m3 | 49.00 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Transportation of materials (ПЗ) \* %  |  |  |  |  |
|  |  | Storage of materials (ПЗ+Transp) \* %  |  |  |  |  |
|  |  | Social and health insurance (ПЗ+Transp+Storage) \* 24%  |  |  |  |  |
|  |  | Total ПЗ+Transp+Storage+Insurance  |  |  |  |  |
|  |  | Overhead costs (ПЗ+Transp+Storage+Inurance) \* %  |  |  |  |  |
|  |  | Total ПЗ+Transp+Storage+Insrance+Overhead costs  |  |  |  |  |
|  |  | Estimate benefit (ПЗ+Transp+Storage+Insurance+Overhead) %  |  |  |  |  |
|  |  | Total ПЗ+Transp+Storage+Insurance+Overhead+Benefit  | 100.00 + |  |  |  |

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|  | Total: |  |  |  |  |
|  | Total estimates: |  |  |  |  |

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| **Building the sewerage system in Sculeni village, Ungheni district (wastewater treatment plant, pump station) (Stage I)** | WinСмета2000Form No. 1 |
| (name of the site) |  |

List with quantities of works No. 2-2-4

Bid-estimate No. 2-2-4

**Platform for sand**

(name of works)

**Bid currency - USD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No  | Symbol of the norm and resource code | Type of works  | U.M. | Quantity  | Price per unit of measure, USD (including the salary)  | Total, $ (col.5 x col.6) |
|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | Chapter 1. Construction works |  |  |  |  |
| 1 | TsC03B1 p. К=З=1.00; М=1.00; Ш=1.00 | Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in the storage of ground cat. II. | 100 m3 | 0.16 |  |  |
|  2 | TsA05E1p. К=З=1.00; М=1.00; Ш=1.00 | Manual excavation of land, in confined space, having the width over 1m, executed in inclined banks, without supporters, up to 6m depth, with manual evacuation, in foundations, basements, sewers, drains etc., in soils with natural humidity, depth of digging 2.01-4 m of middle ground | m3 | 1.24 |  |  |
|  3 | TsC03F1 p. К=З=1.00; М=1.00; Ш=1.00 | Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in motor-cars, ground cat. II - surplus soil | 100 m3 | 0.17 |  |  |
|  4 | TsI50A3p. К=З=1.00; М=1.00; Ш=1.00 | Transportation of the ground with the dumper at a distance of 3 km | t | 25.50 |  |  |
|  5 | TsC51Bp. К=З=1.00; М=1.00; Ш=1.00 | Works for unloading the soil in the storage, ground category II  | 100 m3 | 0.17 |  |  |
|  6 | TsC50Bp. К=З=1.00; М=1.00; Ш=1.00 | Repairing and maintaining the natural roads when transporting the soil, for every 0.5 km, land field category II  | 100 m3 | 0.17 |  |  |
|  7 | AcA15Cp. К=З=1.00; М=1.00; Ш=1.00 | Installation of pipes with asbestos-cement rubes, assembled with asbestos-cement sleeves and rubber ring, having a length of 3 m and a diameter of 160 mm  | m | 14.00 |  |  |
|  8 | RCsB21A k=0.05p. К=0.50 | Mechanical drilling of holes with diameter of 18 cm, in asbestos-cement pipes | pcs | 280.00 |  |  |
|  9 | TsC54Bp. К=З=1.00; М=1.00; Ш=1.00 | Foundation layer in the ditch and on the field from crushed stone | m3 | 7.00 |  |  |
|  10 | DB19Bp. К=З=1.00; М=1.00; Ш=1.00 | Asphalt concrete covering with big aggregates, executed in hot conditions, in thickness of 2.5 cm with manual laying  | m2 | 56.70 |  |  |
|  11 | DB16Bp. К=З=1.00; М=1.00; Ш=1.00 | Asphalt concrete covering with small aggregates, executed in hot conditions, in thickness of 1.5 cm with manual laying  | m2 | 56.70 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Transportation of materials (ПЗ) \* %  |  |  |  |  |
|  |  | Storage of materials (ПЗ+Transp) \* %  |  |  |  |  |
|  |  | Social and health insurance (ПЗ+Transp+Storage) \*24 %  |  |  |  |  |
|  |  | Total ПЗ+Transp+Storage+Insurance  |  |  |  |  |
|  |  | Overhead costs (ПЗ+Transp+Storage+Inurance) \* %  |  |  |  |  |
|  |  | Total ПЗ+Transp+Storage+Insrance+Overhead costs  |  |  |  |  |
|  |  | Estimate benefit (ПЗ+Transp+Storage+Insurance+Overhead) \* %  |  |  |  |  |
|  |  | Total ПЗ+Transp+Storage+Insurance+Overhead+Benefi | 100.00 + |  |  |  |

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|  | Total: |  |  |  |  |
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| **Building the sewerage system in Sculeni village, Ungheni district (wastewater treatment plant, pump station) (Stage I)** | WinСмета2000Form No. 1 |
| (name of the site) |  |

List with quantities of works No. 2-2-5

Bid-estimate No. 2-2-5

 **Platform for operating container**

(name of works)

**Bid currency - USD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No  | Symbol of the norm and resource code | Type of works  | U.M. | Quantity  | Price per unit of measure, USD (including the salary)  | Total, $ (col.5 x col.6) |
|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | Chapter 1. Construction works |  |  |  |  |
| 1 | TsC03B1 p. К=З=1.00; М=1.00; Ш=1.00 | Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in the storage of ground cat. II. | 100 m3 | 0.10 |  |  |
|  2 | TsA05E1p. К=З=1.00; М=1.00; Ш=1.00 | Manual excavation of land, in confined space, having the width over 1m, executed in inclined banks, without supporters, up to 6m depth, with manual evacuation, in foundations, basements, sewers, drains etc., in soils with natural humidity, depth of digging 2.01-4 m of middle ground | m3 | 0.55 |  |  |
|  3 | TsC03F1 p. К=З=1.00; М=1.00; Ш=1.00 | Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in motor-cars, ground cat. II - surplus soil | 100 m3 | 0.11 |  |  |
|  4 | TsI50A3p. К=З=1.00; М=1.00; Ш=1.00 | Transportation of the ground with the dumper at a distance of 3 km | t | 15.82 |  |  |
|  5 | TsC51Bp. К=З=1.00; М=1.00; Ш=1.00 | Works for unloading the soil in the storage, ground category II  | 100 m3 | 0.11 |  |  |
|  6 | TsC50Bp. К=З=1.00; М=1.00; Ш=1.00 | Repairing and maintaining the natural roads when transporting the soil, for every 0.5 km, land field category II  | 100 m3 | 0.11 |  |  |
|  7 | TsC54Cp. К=З=1.00; М=1.00; Ш=1.00 | Foundation layer of gravel  | m3 | 11.00 |  |  |
|  8 | TsD09A1p. К=З=1.00; М=1.00; Ш=1.00 | Compacting with the roller of 2.5-5 t, with caterpillar tractor of 65-80 h.p. of the fitting, in successive layers of 20-30 cm thickness after compacting, excluding the watering of every layer separately, the earth fillings being executed from cohesive ground  | 100 m3 | 0.11 |  |  |
|  9 | CB01Cp. К=З=1.00; М=1.00; Ш=1.00 | Formwork from softwood planks to pour the concrete into FU foundation elements, excluding the construction supporters with heights of up to 20m inclusively  | m2 | 8.64 |  |  |
|  10 | CC01Bp. К=З=1.00; М=1.00; Ш=1.00 | Fittings shaped from OB 37 reinforced concrete in on-site construction shops, with diameter of bars over 8 mm inclusively | kg | 426.00 |  |  |
|  11 | CC01Ap. К=З=1.00; М=1.00; Ш=1.00 | Fittings shaped from OB 37 reinforced concrete in on-site construction shops, with diameter of bars up to 8 mm inclusively | kg | 20.00 |  |  |
|  12 | CA02Cp. К=З=1.00; М=1.00; Ш=1.00 | Simple concrete poured in equalization, slabs at the height of 35m inclusively, prepared with the concrete plant according to art. CA01 or concrete-commodity, poured with classical means - B 7.5 | m3 | 2.00 |  |  |
|  13 | CA04Fp. К=З=1.00; М=1.00; Ш=1.00 | Concrete poured in slabs , beams , columns , prepared with the concrete plant or concrete-commodity according to art. CA01 and pouring with classical means B20  | m3 | 5.40 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Transportation of materials (ПЗ) \* %  |  |  |  |  |
|  |  | Storage of materials (ПЗ+Transp) \* %  |  |  |  |  |
|  |  | Social and health insurance (ПЗ+Transp+Storage) \*24 %  |  |  |  |  |
|  |  | Total ПЗ+Transp+Storage+Insurance  |  |  |  |  |
|  |  | Overhead costs (ПЗ+Transp+Storage+Inurance) \* %  |  |  |  |  |
|  |  | Total ПЗ+Transp+Storage+Insrance+Overhead costs  |  |  |  |  |
|  |  | Estimate benefit (ПЗ+Transp+Storage+Insurance+Overhead) \*%  |  |  |  |  |
|  |  | Total ПЗ+Transp+Storage+Insurance+Overhead+Benefi  | 100.00 + |  |  |  |

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|  | Total: |  |  |  |  |
|  | Total estimates: |  |  |  |  |

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| **Building the sewerage system and wastewater treatment plant in Sculeni village, Ungheni district (Stage I)** | WinСмета2000Form No. 1 |
| (name of the site) |  |

List with quantities of works No. 2-3

Offered estimates No. 2-3

**External networks for sewerage supply**

(name of works)

**Bid currency - USD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No  | Symbol of the norm and resource code | Type of works  | U.M. | Quantity  | Price per unit of measure, USD (including the salary)  | Total, $ (col.5 x col.6) |
|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | Chapter 1. Construction works |  |  |  |  |
|  |  | Chapter 1.1. Embankment works  |  |  |  |  |
| 1 | TsC03B1 p. К=З=1.00; М=1.00; Ш=1.00 | Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in the storage of ground cat. II.  | 100 m3 | 5.52 |  |  |
|  2 | TsA04E1p. К=З=1.00; М=1.00; Ш=1.00 | Manual excavation of land, in confined space, having the width under 1m and maximum depth of 4.5 m, with manual evacuation, in foundations, sewers, roads in soils with natural humidity, depth of digging 1.5-3 m of middle ground | м3 | 7.77 |  |  |
|  3 | AcF03Ap. К=З=1.00; М=1.00; Ш=1.00 | Fillings in the trenches of the pipes for water supply or sewerage, as substrate, protection layer, insulating layer or filtering layer made with sand - sand bedding  | м3 | 31.48 |  |  |
|  4 | TsD03A1p. К=З=1.00; М=1.00; Ш=1.00 | Filling in loose land coming from the fields of category I or II and category III or IV, executed with caterpillar tractor-based bulldozer 81-180 HP, in layers with thickness of 15-20 cm, land field of category I or II  | 100 m3 | 4.83 |  |  |
|  5 | TsD01Bp. К=З=1.00; М=1.00; Ш=1.00 | Filling with the shovel of light earth in uniform layers, 10-30 cm thick, with a throw of up to 3 m of piles , including smashing of earth bolls from the middle ground | м3 | 16.29 |  |  |
|  6 | TsD05Bp. К=З=1.00; М=1.00; Ш=1.00 | Compacting with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil  | 100 m3 | 5.31 |  |  |
|  7 | TsC03B1 p. К=З=1.00; М=1.00; Ш=1.00 | Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in the storage of ground cat. II - surplus soil | 100 m3 | 0.39 |  |  |
|  8 | TsI51A2p. К=З=1.00; М=1.00; Ш=1.00 | Transportation of soil with the dumper of 10 t at a distance of 2 km  | t | 58.50 |  |  |
|  9 | TsC51Bp. К=З=1.00; М=1.00; Ш=1.00 | Works for unloading the soil in the storage, ground category II  | 100 m3 | 0.39 |  |  |
|  10 | TsC50Bp. К=З=1.00; М=1.00; Ш=1.00 | Repairing and maintaining the natural roads when transporting the soil, for every 0.5 km, land field category II  | 100 m3 | 0.39 |  |  |
|  11 | TsF15Ap. К=З=1.00; М=1.00; Ш=1.00 | Consolidation of excavated walls and ditches (trenches), with planks in unstable soils, depth: up to 3 m | 100 m3 | 0.57 |  |  |
|   |  | Chapter 1.2. Sewerage pipes |  |  |  |  |
| 12 | AcA08Ap. К=З=1.00; М=1.00; Ш=1.00 | Assembling in the ground, outside the building, the PVC pipes of 9m, sealed with rubber fittings, with the diameter 125-200 mm - pipe SN4 SDR41 d=200mm, sector SE-C582-C583-C584 - AVAL | m  | 198.00 |  |  |
|  13 | AcA52Cp. К=З=1.00; М=1.00; Ш=1.00 | Polyethylene pipe for water supply tubes, mounted in ditch, with diameter 90 mm. Note: the type of the polyethylene pipe and of the warning strap will be included according to the design - pipe PE100RC Pn10 SDR 17,6 d=90mm, sector under pressure | m  | 262.00 |  |  |
|   |  | Chapter 1.3. Digging manholes |  |  |  |  |
| 14 | TsC03B1 p. К=З=1.00; М=1.00; Ш=1.00 | Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in the storage of ground cat. II. | 100 m3 | 1.05 |  |  |
|  15 | TsA04E1p. К=З=1.00; М=1.00; Ш=1.00 | Manual excavation of land, in confined space, having the width under 1m and maximum depth of 4.5 m, with manual evacuation, in foundations, sewers, roads in soils with natural humidity, depth of digging 1.5-3 m of middle ground | м3 | 5.32 |  |  |
|  16 | TsD03A1p. К=З=1.00; М=1.00; Ш=1.00 | Filling in loose land coming from the fields of category I or II and category III or IV, executed with caterpillar tractor-based bulldozer 81-180 HP, in layers with thickness of 15-20 cm, land field of category I or II  | 100 m3 | 0.86 |  |  |
|  17 | TsD01Bp. К=З=1.00; М=1.00; Ш=1.00 | Filling with the shovel of light earth in uniform layers, 10-30 cm thick, with a throw of up to 3 m of piles , including smashing of earth bolls from the middle ground | м3 | 3.52 |  |  |
|  18 | TsD05Bp. К=З=1.00; М=1.00; Ш=1.00 | Compacting with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil  | 100 m3 | 0.90 |  |  |
|  19 | TsC03A1p. К=З=1.00; М=1.00; Ш=1.00 | Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in the storage of ground cat. I - surplus soil | 100 m3 | 0.19 |  |  |
|  20 | TsI50A4p. К=З=1.00; М=1.00; Ш=1.00 | Transportation of the ground with the dumper at a distance of 4 km  | t | 28.50 |  |  |
|  21 | TsC50Bp. К=З=1.00; М=1.00; Ш=1.00 | Repairing and maintaining the natural roads when transporting the soil, for every 0.5 km, land field category II K-8  | 100 m3 | 0.19 |  |  |
|  22 | TsC51Bp. К=З=1.00; М=1.00; Ш=1.00 | Works for unloading the soil in the storage, ground category II  | 100 m3 | 0.19 |  |  |
|  23 | TsF15Ap. К=З=1.00; М=1.00; Ш=1.00 | Consolidation of excavated walls and ditches (trenches), with planks in unstable soils, depth: up to 3 m | 100 m3 | 0.10 |  |  |
|   |  | Chapter 1.4. Installing manholes |  |  |  |  |
| 24 | TsC53Bp. К=З=1.00; М=1.00; Ш=1.00 | Compacting the soil with crushed stone | 100 m2 | 0.32 |  |  |
|  25 | AcE13Ap. К=З=1.00; М=1.00; Ш=1.00 | Executing the manholes from the reinforced concrete pre-manufactured elements, for sewerage, circular (ring-type) with diameter of 1,0 m, in the field without underground water - without concrete supporters in manholes | м3 | 11.36 |  |  |
|  26 | Market pricep. К=З=1.00; М=1.00; Ш=1.00 | Pre-manufactured element КЦД-10  | pcs | 16.00 |  |  |
|  27 | Market priceК=З=1.00; М=1.00; Ш=1.00 | Pre-manufactured element КЦ-10-6  | pcs | 23.00 |  |  |
|  28 | Market priceК=З=1.00; М=1.00; Ш=1.00 | Pre-manufactured element КЦ-10-9  | pcs | 8.00 |  |  |
|  29 | Market priceК=З=1.00; М=1.00; Ш=1.00 | Pre-manufactured element КЦП-1-10  | pcs | 16.00 |  |  |
|  30 | Market price | Pre-manufactured element КЦО-1  | pcs | 16.00 |  |  |
|  31 | Market price | Pre-manufactured element КЦ-7-3  | pcs | 16.00 |  |  |
|  32 | CL18AК=З=1.00; М=1.00; Ш=1.00 | Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete - reinforcing the manholes | kg | 431.36 |  |  |
|  33 | CD63Cp. К=З=1.00; М=1.00; Ш=1.00 | Brick masonry, format 250 x 120 x 65 mm, with manual preparation of the mortar M-50, in on-site conditions, in vaults and arches  | м3 | 0.10 |  |  |
|  34 | DA06A1К=З=1.00; М=1.00; Ш=1.00 | Layer of natural cylinder aggregates, having the function of filtering resistance, insulation, ventilation, anti-capillary, with ballast-based manual coverage - manhole riprap | м3 | 0.38 |  |  |
|  35 | AcF02AК=З=1.00; М=1.00; Ш=1.00 | Ladder with steel string boards of 50x10 mm and stairs of steel-concrete with Dn=20mm, for access to the manholes of concrete tubes  | m  | 18.40 |  |  |
|  36 | AcE07Cp. К=З=1.00; М=1.00; Ш=1.00 | Mounting iron or iron-concrete covers without the support element, at the manholes of the water and sewerage supply installations, carriageable type G | pcs | 16.00 |  |  |
|  37 | CA03Ap. К=З=1.00; М=1.00; Ш=1.00 | Concrete poured in foundations, basement, support walls, under zero-elevation walls, prepared with concrete plant and pouring with classical means, simple concrete of class C 5/4 (Bc 5/B 75 ) - concrete gutters  | м3 | 5.76 |  |  |
|  38 | DA06B1p. К=З=1.00; М=1.00; Ш=1.00 | Layer of natural cylinder aggregates, having the function of filtering resistance, insulation, ventilation, anti-capillary, with manual coverage, with gravel - manhole riprap  | м3 | 3.78 |  |  |
|  39 | CA02Ap. К=З=1.00; М=1.00; Ш=1.00 | Simple concrete poured in equalization, slopes, and digs, at the height of 35 m inclusively, prepared with concrete plant, and poured with classical means of concrete Class C 5/4 (Bc 5/B 75)  | м3 | 3.78 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Transportation costs (ПЗ) \* %  |  |  |  |  |
|  |  | Storage costs (ПЗ+Overhead) \*%  |  |  |  |  |
|  |  | Insurance (ПЗ+Overhead+Overhead) \* 24 %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance  |  |  |  |  |
|  |  | Overhead costs (ПЗ+Overhead+Overhead+Insurance) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance+Overhead  |  |  |  |  |
|  |  | Estimate benefit (ПЗ+Overhead+Overhead+Insurance+Overhead) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance+Overhead+Benefit | 100.00 + |  |  |  |

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|  | Total: |  |  |  |  |
|  | Total estimates: |  |  |  |  |

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| **Building the sewerage system and wastewater treatment plant in Sculeni village, Ungheni district (Stage I)** | WinСмета2000Form No. 1 |
| (name of the site) |  |

List with quantities of works No. 4-1

Bid-estimate No. 4-1

**Pump station Electricity supply**

(name of works)

**Bid currency - USD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No  | Symbol of the norm and resource code | Type of works  | U.M. | Quantity  | Price per unit of measure, USD (including the salary)  | Total, $ (col.5 x col.6) |
|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | Chapter 1. Construction works |  |  |  |  |
|  |  | Chapter 1.1. Installing pillars  |  |  |  |  |
| 1 | 33-04-003-1p. К=З=1.00; М=1.00; Ш=1.00 | Mounting the reinforced concrete pillars LEA 0,38, 6-10 kV, with beams without adds, on one single stand type П3  | pcs | 1.00 |  |  |
|  2 | 33-04-016-2p. К=З=1.00; М=1.00; Ш=1.00 | Transporting the constructions and materials for supporters LEA 0,38-10 kV on the main road: reinforced concrete pillars  | pcs | 1.00 |  |  |
|  3 | 33-04-015-1p. К=З=1.00; М=1.00; Ш=1.00 | Installing the earthing with the LEA supporters and of the sub-stations  | 10 m | 3.00 |  |  |
|  4 | TsA02Bp. К=З=1.00; М=1.00; Ш=1.00 | Manual excavation of land in confined spaces , having 1.00m or more in width, made without support, with sloping embankment foundations, channels, basements, drainers, stairs in non-cohesive or poorly cohesive land, depth < 0.75 m middle ground - grounding  | m3 | 1.80 |  |  |
|  5 | TsD01Bp. К=З=1.00; М=1.00; Ш=1.00 | Filling with the shovel of light earth in uniform layers, 10-30 cm thick, with a throw of up to 3 m of piles , including smashing of earth bolls from the middle ground | m3 | 1.80 |  |  |
|   |  | Chapter 1.2. Suspending conductors  |  |  |  |  |
| 6 | 33-04-017-1p. К=З=1.00; М=1.00; Ш=1.00 | Suspending the self-supported isolated electric conductors CIA-2A with the voltage from 0.4 kV to 1kV (with tension release): without the auto-hydro-elevator (standard 08-02-367-8 excluded from Indicator No. 8). The standards and brands of the resources with value 0 (zero) are taken according to the design - СИП 2А-3х35+1х50 | 1000 m | 0.78 |  |  |
|  7 | p. К=З=1.00; М=1.00; Ш=1.00 | Cost of conductors of type СИП 2a-3х35+1х50 | m | 780.00 |  |  |
|  8 | 33-04-030-1p. К=З=1.00; М=1.00; Ш=1.00 | Assembling the diffuser: with the help of mechanisms  | set | 1.00 |  |  |
|  9 | Market pricep. К=1.00 | Stainless steel tape F2007  | m | 87.00 |  |  |
|  10 | Market pricep. К=1.00 | Suspension clamps А200  | pcs | 55.00 |  |  |
|  11 | Market pricep. К=1.00 | Cable belt “CSB”  | pcs | 22.00 |  |  |
|  12 | Market pricep. К=1.00 | Support CA 1500 | pcs | 4.00 |  |  |
|  13 | Market pricep. К=1.00 | Anchorage clamp РА 1500 | pcs | 6.00 |  |  |
|  14 | Market pricep. К=1.00 | Drilling clamp Р2Х95 | pcs | 21.00 |  |  |
|  15 | Market pricep. К=1.00 | Set СSL 350 | pcs | 4.00 |  |  |
|  16 | Market pricep. К=1.00 | Screw clamp HEL-6893 ZAc | pcs | 4.00 |  |  |
|  17 | Market pricep. К=1.00 | Pipe WCSM33/8  | pcs | 4.00 |  |  |
|  18 | Market pricep. К=1.00 | Insulation pipe CGPT18/6-0  | pcs | 4.00 |  |  |
|  19 | Market pricep. К=1.00 | Thermal gloves 502КОР16/S | pcs | 5.00 |  |  |
|  20 | Market pricep. К=1.00 | Safety profile GPC60/60L 2750  | pcs | 3.00 |  |  |
|  21 | Market pricep. К=1.00 | Screw hook HEL-5552  | pcs | 1.00 |  |  |
|  22 | Market pricep. К=1.00 | Ramification clamp RDP 25/СN  | pcs | 1.00 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Transportation costs (ПЗ) \* %  |  |  |  |  |
|  |  | Storage of materials (ПЗ+Overhead) \* %  |  |  |  |  |
|  |  | Insurance (ПЗ+Overhead+Storage) \* 24 %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Storage+Insurance  |  |  |  |  |
|  |  | Overhead costs (ПЗ+Overhead+Storage+Insurance) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Storage+Insurance+Overhead  |  |  |  |  |
|  |  | Estimate benefit (ПЗ+Overhead+Storage+Insurance+Overhead) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Storage+Insurance+Overhead+Benefit  | 100.00 + |  |  |  |
|   |  | Chapter 2. Mounting works |  |  |  |  |
|  |  | Chapter 2.1. Electricity metering box BZUM |  |  |  |  |
| 23 | 08-03-573-4p. К=З=1.00; М=1.00; Ш=1.00 | Suspended command box (switchboard), type BZUM -01-100 | pcs | 1.00 |  |  |
|  24 | 08-03-521-15p. К=З=1.00; М=1.00; Ш=1.00 | Switcher with lever on a plate with central or lateral trigger or trigger with a bar, mounted on metallic support, with three poles, power up to 250 A  | pcs | 1.00 |  |  |
|  25 | 08-03-526-1p. К=З=1.00; М=1.00; Ш=1.00 | Mono-, bi-, three-poles automate, mounted on the wall or column construction, electricity up to 25 A | pcs | 1.00 |  |  |
|  26 | 08-01-080-2p. К=З=1.00; М=1.00; Ш=1.00 | Device for measurement and protection, quantity connected extremities up to: 6-meter  | pcs | 1.00 |  |  |
|  27 | 08-02-411-7p. К=З=1.00; М=1.00; Ш=1.00 | Flexible connection, outer diameter of the metal hose up to 78 mm | pcs | 1.00 |  |  |
|  28 | Market price p. К=1.00 | Connection cost d=78mm | pcs | 1.00 |  |  |
|  29 | 08-02-411-3p. К=З=1.00; М=1.00; Ш=1.00 | Metallic hose, outer diameter up to 78 mm | 100 m | 0.10 |  |  |
|  30 | 08-02-472-9p. К=З=1.00; М=1.00; Ш=1.00 | Grounding conductor, open, on construction bases, from round steel with diameter of 10 mm  | 100 m | 0.04 |  |  |
|  31 | 08-02-472-1p. К=З=1.00; М=1.00; Ш=1.00 | Horizontal ground plate made of round steel with a diameter of 12 mm  | 100 m | 0.10 |  |  |
|  32 | 08-02-471-4p. К=З=1.00; М=1.00; Ш=1.00 | Ground plate, vertical, from round steel, diameter 16 mm | 10 pieces  | 0.30 |  |  |
|  33 | 08-03-521-15p. К=З=1.00; М=1.00; Ш=1.00 | Switcher with lever on a plate with central or lateral trigger or trigger with a bar, mounted on metallic support, with three poles, power up to 250 A  | pcs | 1.00 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Transportation costs (ПЗ) \* %  |  |  |  |  |
|  |  | Storage costs (ПЗ+Overhead) \*  |  |  |  |  |
|  |  | Social and health insurance (ПЗ+Overhead+Overhead) \* 24 %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance  |  |  |  |  |
|  |  | Overhead costs (ПЗ+Overhead+Overhead+Insurance) %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance+Overhead  |  |  |  |  |
|  |  | Estimate benefit (ПЗ+Overhead+Overhead+Insurance+Overhead) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead+Overhead+Insurance+Overhead+Benefi  | 100.00 + |  |  |  |
|   |  | Chapter 3. Equipment cost  |  |  |  |  |
|  |  | Chapter 3.1. LEA 0,4kV |  |  |  |  |
| 34 | Market price p. К=1.00 | Voltage limiter cost LVA 440-CS  | pcs | 3.00 |  |  |
|   |  | Chapter 3.2. BZUM  |  |  |  |  |
| 35 | Market pricep. К=1.00 | Metering box "BZUM-TF-01-100 | pcs | 1.00 |  |  |
|  36 | Market price p. К=1.00 | Switch with lever ВH 32-3P, I=40A | pcs | 1.00 |  |  |
|  37 | Market price p. К=1.00 | Three-poles circuit breaker ВА 47-29, I=16A | pcs | 1.00 |  |  |
|  38 | Market price p. К=1.00 | Electronic electricity meter ZMG 110 CR | pcs | 1.00 |  |  |
|  39 | Market price p. К=1.00 | Switch with lever MH 30/5  | pcs | 1.00 |  |  |
|   |  | Total  |   |  |  |  |
|  |  | Storage costs (ПЗ) \* %  |  |  |  |  |
|  |  | Total ПЗ+Overhead  | 100.00 + |  |  |  |

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|  | Total: |  |  |  |  |
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