***Construction works for the precipitation water storage basin in Boghenii Noi, Criuleni district, “Cand Vas” LLC***

***List of works’ volumes***

***/*** *Water reservoir’s general construction works);*

|  |
| --- |
| **Bid value: USD** |

*Data: 23-02-2021*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Nocrt. | Symbol of the norm and resource code | Works and expenses | U.M. | Quantity  | Estimate value,  **USD** |
| Per U.M.————incl. salary | Total—————incl. salary |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Chapter 1. Construction works and earthworks** |  |  |  |  |
| 1 | TsC07A1 | Mechanical digging with crawler excavator of 0.81-1.2 m3, with internal combustion engine and control by cables, with dragline equipment, in soil with natural humidity, with unloading in storage, land catg. I - vegetal soil stripping.  | 100 m3 | 41,23 |  |  |
|  2 | TsC07E1 | Mechanical digging with crawler excavator of 0.81-1.2 m3, with internal combustion engine and cable control, with dragline equipment, in soil with natural humidity, with unloading in vehicles, land catg. II  | 100 m3 | 33,17 |  |  |
|  3 | TsI51A1 | Transportation of the soil with a dump truck of 10 t at a distance of: 0.1 km in dumps  | t | 4 975,50 |  |  |
|  4 | TsC50A | Repair and maintenance of natural roads for land transport, for every 0.5 km, category I land  | 100 m3 | 33,17 |  |  |
|  5 | TsC51A | Land unloading works in the warehouse, category I land  | 100 m3 | 33,17 |  |  |
|  6 | TsC07D1 | Mechanical digging with crawler excavator of 0.81-1.2 m3, with internal combustion engine and control by cables, with dragline equipment, in soil with natural humidity, with unloading in vehicles, land catg. | 100 m3 | 42,21 |  |  |
|  7 | TsI51A1 | Transportation of soil with the dumper of: 0,05 km in the body of the protective dam | t | 6 330,60 |  |  |
|  8 | TsC50A | Repair and maintenance of natural roads for land transport, for every 0.5 km, I land category | 100 m3 | 42,21 |  |  |
|  9 | TsC51A | Land unloading works in the warehouse, land category I | 100 m3 | 42,21 |  |  |
|  10 | 36-01-001-3 | Executing the dams, dykes, embankments and lower parts of the screens and nuclei on land, from non-cohesive ground with compacting rollers, weight: up to 16 t  | 1000 m3 | 42,21 |  |  |
|  11 | TsD14A01 | Mechanical watering of soil layers with 5-8 t tanker truck, provided with a spraying device, to ensure the necessary humidity for mechanical compaction, as well as for watering surfaces for other purposes  | m3 | 238,00 |  |  |
|  12 | TsA24C | Mechanical depletion of water from excavations, in the field with strong water infiltrations and executed with low pressure water motor pump, driven on tractor U 650, flow rate 200-500 Mc / h - pumping water in tankers | h-ut | 1,19 |  |  |
|  14 | TsD10B1 | Compaction with 15 t sheep's foot roller, of the fillings from cohesive soil, from the body of the dams and dykes, in successive layers of 25 cm thickness before compaction, excluding the watering of each layer separately by 8 passes | 100 m3 | 42,21 |  |  |
|  15 | TsE04B | Leveling the natural land and the embankment platforms with tracked bulldozer, by cutting the embankments and pushing the excavated soil into holes, with tracked bulldozer of 81-180 HP of land catg. I and II - scattered soil | 100m2 | 110,56 |  |  |
|  16 | 36-01-009-2 | Levelling the embankments’ slopes during the earthworks: with bulldozers  | 1000 m2 | 6,943 |  |  |
|  17 | TsC19B1 | Mechanic digging with bulldozer on the crawler 81-180 CP, including the pushing of the ground up to 10m, in fields of category 2 (arranging the fertile soil)  | 100 m3 | 8,06 |  |  |
|  |  | **Water reservoir’s general construction works** |  |  |  USD |  |
|  |  |  |  |  |  |  |
|  |  | **Total** |  USD |  |
|  |  | Social fund and health  |  % |  |  |  |
|  |  | Transportation  | % |  |  |  |
|  |  | Total |   |  |  |  |
|  |  | Overhead costs | % |  |  |  |
|  |  | Total |   |  |  |  |
|  |  | Estimate benefit | % |  |  |  |
|  |  | **Total bid without VAT: USD**  |

Note: *The bidder’s costs will include all the expenses including materials and/or equipment, salaries, social payments, indirect costs*

|  |
| --- |
| Bidder  |
| (position, signature, name, surname)  |

STAMP PLACE

***List of works’ volumes***

***/*** *Construction of bottom water evacuation pipeline /*

|  |
| --- |
| **Bid value: USD** |

*Data: 23-02-2021*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Nocrt. | Symbol of the norm and resource code | Works and expenses | U.M. | Quantity  | Estimate value,  **USD** |
| Per U.M.————incl. salary | Total—————incl. salary |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Chapter 1. Construction works and earthworks** |  |  |  |  |
| 1 | TsC03B1 | Mechanic digging with track-laying excavator of 0,40-0,70 m3, with internal combustion engine and cable-based command, with dragline equipment, in wet clay grounds with water, and unloading in the storage, ground category II in conditions of water management (under the ground channel)  | 100 m3 | 0,45 |  |  |
| 2 | TsD03A1 | Filling with loose land coming from the fields of category I and II and III or IV executed with caterpillar tractor-based bulldozer 81-180 CP, in layers with thickness of 15-20 cm, land category I or II | 100 m3 | 0,45 |  |  |
| 3 | TsD05A | 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 non-cohesive soil | 100 m3 | 0,45 |  |  |
|  |  | **Total earthworks** |  |  |  USD |  |
|  |  | **1.2 Pipelines** |  |  |  |  |
| 4 | GD52F | Polyethylene pipe, for distribution pipes, mounted in the ditch, with a diameter of 160 mm - HDPE d = 160x9,5mm Pn10 | m | 17,00 |  |  |
| 5 | GD52F | Polyethylene pipe, for distribution pipes, mounted in the ditch, with a diameter of 160 mm - HDPE d = 160x6,2mm Pn6 | m | 24,00 |  |  |
| 6 | GD60F | Assembly and disassembly of the drilling rig, screeds and wideners, for pipes with a diameter of 421-520 mm | шт. | 1,00 |  |  |
| 7 | GD59F | Laying the protection pipe, by horizontal directed drilling (FOD), made in normal ground, for pipes with a diameter up to 500 mm | m | 12,00 |  |  |
| 8 | GD53O1 | Butt welded joint fittings made of polyethylene with a diameter of 500 mm, to take place on the flange, dome-shaped cover, and transition fittings connecting pipe ends (and the perpendicular branch of the tee) .For combination of bends, tees and valves - side | шт. | 2,00 |  |  |
| 9 | GD53E1 | Butt welded joint fittings made of polyethylene with a diameter of 160 mm, to take place on the flange, dome-shaped cover, and transition fittings connecting pipe ends (and the perpendicular branch of the tee) .For combination of bends, tees and valves - side | шт. | 2,00 |  |  |
| 10 | CL17B | Various metal garments, mounted visibly: rail, grids, manhole covers, snow stops, grills (trash-rack structure) | kg | 38,00 |  |  |
| 11 | AcA53C | Mounting the fittings by electrical welding. Joining by electrofusion welding between pipe and fitting (plugs, tee, elbow) made of polyethylene, the pipes having a diameter of 160 mm. Note: the type of polyethylene fitting (plugs, tee, elbow) will be included according to the project - adapter with flanges d = 150mm Pn10 | шт. | 2,00 |  |  |
| 12 | CL17B | Various metal constructions, apparently mounted: railing, grilles, hatches, snow stops, grills - protection grille | kg | 3,40 |  |  |
|  |  | **Total pipelines**  |  |  |  USD |  |
|  |  | **1.3 evacuation chimney C-15-10 (1 item)** |  |  |  |  |
| 13 | AcE14A | Execution of manholes from prefabricated reinforced concrete elements, for sewerage, circular (ring) with a diameter of 1.5 m, in land without groundwater  | m3 | 1,31 |  |  |
| 14 | Market price  | КЦД - 15 | шт. | 1,00 |  |  |
| 15 | Market price  | КЦ15-9a | шт. | 2,00 |  |  |
| 16 | Market price  | КЦ 15-6 | шт. | 1,00 |  |  |
| 17 | Market price  | КЦП115 | шт. | 1,00 |  |  |
| 18 | Market price  | КЦО-1 | шт. | 1,00 |  |  |
| 19 | Market price  | КЦ-7-3 | шт. | 1,00 |  |  |
| 20 | AcE07B | Assembling the cast iron or concrete cast iron lids without support piece, at the manholes of the water supply and sewerage installations, non-road type U | шт. | 1,00 |  |  |
| 21 | 41-01-008-5 | Insulation by painting on vertical concrete surfaces: with bitumen diluted in two layers | 100m2 | 0,112 |  |  |
| 22 | CH10A1 | Straight ready-made metal ladders made in smaller amounts than 50 kg | kg | 12,75 |  |  |
| 23 | CA03G | Cast concrete poured with classical means, in foundations, plinths, retaining walls, walls below zero, prepared with concrete plant or concrete according to the goods. Cast concrete poured with classical means, in foundations, plinths, retaining walls, walls below zero level, prepared with concrete plant or concrete cargo according to art. CA01, casting with conventional means, in the traditional reinforced concrete foundation valve B15 | m3 | 0,10 |  |  |
| 24 | CA09A | Beton ciclopian, clasa B15 pe taluze deversorului, preparat in instalatii centralizate - pavaj  | m3 | 3,00 |  |  |
|  |  | **Total evacuation** |  |  |  USD |  |
|  |  | Social fund and health  |   |  |  |  |
|  |  | Transportation  |  % |  |  |  |
|  |  | Total | % |  |  |  |
|  |  | Overhead costs |   |  |  |  |
|  |  | Total | % |  |  |  |
|  |  | Estimate benefit |   |  |  |  |
|  |  | Social fund and health  | % |  |  |  |
|  |  | **Total Construction works** |  |  |  USD |  |
|  |  | **2. Mounting works** |  |  |  |  |
| 25 | AcB01B | Cyclopean concrete, class B15 on the slopes of the spillway, prepared in centralized installations - paving | шт. | 1,00 |  |  |
|  |  | Social fund and health  |   |  |  |  |
|  |  | Transportation  |  % |  |  |  |
|  |  | Total |   |  |  |  |
|  |  | Overhead costs | % |  |  |  |
|  |  | Total |   |  |  |  |
|  |  | Estimate benefit | % |  |  |  |
|  |  | **Total Mounting works** |  |  |  USD |  |
|  |  | **3. Machinery** |  |  |  |  |
| 26 | Market price | Up rubber valve PN10 d = 150mm | шт. | 1,00 |  |  |
|  |  | Total |   |  |  |  |
|  |  | Storage | 1,2% |  |  |  |
|  |  | **Total Machinery** |  |  |  USD |  |
|  |  |  |  |  |  |  |
|  |  | **Total bid without VAT: USD**  |

Note: *The bidder’s costs will include all the expenses including materials and/or equipment, salaries, social payments, indirect costs*

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| Bidder  |
| (position, signature, name, surname)  |

STAMP PLACE

***Construction works for the precipitation water storage basin, SRL “Concom RTCA”, in Boscana, Criuleni district.***

***List of works’ volumes***

***/*** *Ground and general construction works at water storage reservoir****/***

|  |
| --- |
| **Bid value: USD** |

*Date: 23.02.2021*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Nocrt. | Symbol of the norm and resource code | Works and expenses | U.M. | Quantity  | Estimate value,  **USD** |
| Per U.M.————incl. salary | Total—————incl. salariu |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Chapter 1. Construction works** **1.1 Earthworks** |  |  |  |  |
| 1 | TsC07A1 | Mechanic digging with bulldozer on the crawler 0,81-1,2 mc, with internal combustion engine and cable-based command, with dragline equipment, in soil with natural humidity, with unloading in the storage, ground category I - vegetal soil stripping | 100 m3 | 14,62 |  |  |
| 2 | TsC07E1 | Mechanic digging with bulldozer on the crawler 0,81-1,2 mc, with internal combustion engine and cable-based command, with dragline equipment, n soil with natural humidity, with unloading in the storage, ground category II | 100 m3 | 10,96 |  |  |
| 3 | TsI51A1 | Transportation of soil with the dumper of 10t at a distance of 0.03 km in dumps | t | 1 644,00 |  |  |
| 4 | TsC50A | Repair and maintenance of natural roads for soil transport, for every 0.5 km, ground category I  | 100 m3 | 10,96 |  |  |
| 5 | TsC51A | Works for unloading the land in the warehouse, ground category I | 100 m3 | 10,96 |  |  |
| 6 | TsC07D1 | Mechanic digging with bulldozer on the crawler 0,81-1,2 mc, with internal combustion engine and cable-based command, with dragline equipment, in soil with natural humidity, with unloading in vehicles, ground category I | 100 m3 | 48,79 |  |  |
| 7 | TsI51A1 | Transportation of soil with the dumper of 10t at a distance of 0.05 km in the body of the protection dam | t | 7 318,50 |  |  |
| 8 | TsC50A | Repair and maintenance of natural roads for soil transport, for every 0.5 km, ground category I  | 100 m3 | 48,79 |  |  |
| 9 | TsC51A | Works for unloading the land in the warehouse, ground category I | 100 m3 | 48,79 |  |  |
| 10 | 36-01-001-3 | Executing the dams, dykes, embankments and lower parts of the screens and nuclei on land, from cohesive ground with compacting rollers, weight: up to 16 t | 1000 m3 | 4,879 |  |  |
| 11 | TsD14A01 | Mechanical watering of soil layers with a 5-8 t tank truck, provided with a spraying device, to complete the humidity necessary for mechanical compaction, as well as for watering surfaces for other purposes | m3 | 48,00 |  |  |
| 12 | TsA24C | Mechanical depletion of water from excavations, in the field with strong water infiltrations, executed with low pressure water motor driven on tractor U 650, flow rate 200-500 Mc / h - pumping water in tankers | h-ut | 0,24 |  |  |
| 13 | TsD10B1 | Compaction with 15 t sheep's foot roller, of the fillings from cohesive soil, from the body of the dams and dams, in successive layers of 25 cm thickness before compaction, excluding the watering of each layer separately by 8 passes | 100 m3 | 48,79 |  |  |
| 14 | TsE04B | Levelling the natural land field and of the groundwork platforms with bulldozer on wheeled tractor 81-180 hp, by cutting the bumps and pushing the dug soil in the holes, land cat. I and II  | 100m2 | 36,53 |  |  |
| 15 | 36-01-009-2 | Levelling the embankments’ slopes and teh basin's cuvette during the earthworks: with the excavators  | 1000 m2 | 3,3367 |  |  |
| 16 | TsC19B1 | Mechanic digging with bulldozer on the crawler 81-180 HP, including the pushing of the ground up to 10m, in ground of category II, vegetal soil stripping | 100 m3 | 3,96 |  |  |
| 17 | TsH09A | Sowing the lawn on horizontal surfaces or on a slope below 30% on the outer slopes of the berm | 100m2 | 13,20 |  |  |
|  |  | **Total earthworks** |  |  |  USD |  |
|  |  | **1.2. Sanitary fencing** |  |  |  |  |
| 18 | TsH108A | Digging holes for planting mechanized poles | buc | 118,00 |  |  |
| 19 | CC01A | Concrete steel reinforcements OB 37 shaped in construction workshops with bar diameter up to 8 mm inclusive | kg | 2,42 |  |  |
| 20 | CA03F | Simple poured concrete with classical means, in foundations, plinths, retaining walls, walls below zero level, prepared with concrete plant compliant goods. art. CA01, pouring with classical means, simple concrete class B 12.5 | m3 | 0,98 |  |  |
| 21 | CO06A | Installation of wire mesh fences fixed on prefabricated reinforced concrete poles mounted at 2.5 m distance interax by drilling, with ridge height of 1.5 m | m | 300,00 |  |  |
| 22 | Market price  | The cost of reinforced concrete column type "spaler" 2400x90 \* 90 | buc | 118,00 |  |  |
| 23 | Market price  | The cost of galvanized woven mesh 55x55mm, d = 1.8mm, h = 1.5m | m2 | 450,00 |  |  |
| 24 | CK14A | Metal gates and gates with frames made of ready-made round steel profiles, including the necessary accessories, mounted on reinforced concrete columns | m2 | 7,85 |  |  |
| 25 | CO05A2 | Tie the rabit net with galvanized wire d = 6mm | m | 354,00 |  |  |
| 26 | CO05A2 | Support rabbit net with galvanized wire d = 6mm | m | 588,00 |  |  |
|  |  | **Total Sanitary fencing** |  |  |  USD |  |
|  |  |  |  |  |  |  |
|  |  | **Total** |  USD |  |
|  |  | Social fund and health  |  % |  |  |  |
|  |  | Transportation  | % |  |  |  |
|  |  | Total |   |  |  |  |
|  |  | Overhead costs | % |  |  |  |
|  |  | Total |   |  |  |  |
|  |  | Estimate benefit | % |  |  |  |
|  |  | **Total bid without VAT: USD**  |

Note: *The bidder’s costs will include all the expenses including: materials and/or equipment, salaries, social payments, indirect costs*

|  |
| --- |
| Bidder  |
| (position, signature, name, surname)  |

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***List of works’ volumes***

***/*** *Construction of bottom water evacuation pipeline/*

|  |
| --- |
| **Bid value: USD** |

*Date: 23.02.2021*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Nocrt. | Symbol of the norm and resource code | Works and expenses | U.M. | Quantity  | Estimate value,  **USD** |
| Per U.M.————incl. salary | Total—————incl. salariu |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Chapter 1. Construction works** **1.1 Earthworks** |  |  |  |  |
| 1 | TsC03B1 | Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading on the field storage of cat. II. | 100 m3 | 0,35 |  |  |
| 2 | TsD03A1 | Spreading the 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 | 0,35 |  |  |
| 3 | TsD05A | 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 non-cohesive soil  | 100 m3 | 0,35 |  |  |
|  |  | **Total earthworks** |  |  |  USD |  |
|  |  | **1.2 Pipelines** |  |  |  |  |
| 4 | GD52F | Polyethylene pipe, for distribution pipes, mounted in the ditch, with a diameter of 160 mm - HDPE d = 160x9,5mm Pn10 | m | 13,00 |  |  |
| 5 | GD52F | Polyethylene pipe, for distribution pipes, mounted in the ditch, with a diameter of 160 mm - HDPE d = 160x6,2mm Pn6 | m | 12,00 |  |  |
| 6 | GD60C | Assembly and disassembly of the drilling rig, screeds and wideners, for pipes with a diameter of 161-250 mm | piece | 1,00 |  |  |
| 7 | GD59C | Laying the protection pipe, by horizontal directed drilling (FOD), made in normal terrain, for HDPE pipes with a diameter of 250x9.6 mm | m | 12,00 |  |  |
| 8 | GD53I1 | Joining by butt welding of polyethylene fittings, with a diameter of 250 mm, for flange adopters, domed caps, transition fittings and connection ends (and for the perpendicular branch of the tee). For joining elbows, tees and taps - elbow 45 'PE d = 250x9.6mm Pn6 | piece | 2,00 |  |  |
| 9 | CL17B | Various metal garments, mounted visibly: rail, grids, manhole covers, snow stops, grills (trash-rack structure)  | kg | 38,00 |  |  |
| 10 | AcA53C | Mounting the fittings by electrical welding. Joining by electrofusion welding between pipe and fitting (plugs, tee, elbow) made of polyethylene, the pipes having a diameter of 160 mm. Note: the type of polyethylene fitting (plugs, tee, elbow) will be included according to the project - adapter with flanges d = 150mm Pn10 | piece | 2,00 |  |  |
| 11 | GD53K1 | Joining by butt welding of polyethylene fittings, with a diameter of 315 mm, for flange adopters, domed caps, transition fittings and connecting ends (and for the perpendicular branch of the lime). PE100 d = 315x250 mm | piece | 1,00 |  |  |
| 12 | CL17B | Various metal garments, mounted visibly: rail, grids, manhole covers, snow stops, grills (trash-rack structure)  | kg | 3,40 |  |  |
|  |  | **Total Pipelines** |  |  |  USD |  |
|  |  | **1.3 Evacuation chimney C-15-10 (1 piece)** |  |  |  |  |
| 13 | AcE14A | Execution of manholes from prefabricated reinforced concrete elements, for sewerage, circular (ring) with a diameter of 1.5 m, in land without groundwater | m3 | 1,41 |  |  |
| 14 | Market price  | Prefabricated boards for manholes КЦД - 15 | piece | 1,00 |  |  |
| 15 | Market price  | Prefabricated ring for manholes КЦ 15-9a | piece | 1,00 |  |  |
| 16 | Market price  | Prefabricated ring for manholes КЦ 15-6 | piece | 3,00 |  |  |
| 17 | Market price  | Prefabricated ring for manholes КЦП1-15 | piece | 1,00 |  |  |
| 18 |  | Prefabricated element КЦО-1 | piece | 1,00 |  |  |
| 19 |  | Prefabricated element КЦ-7-3 | piece | 1,00 |  |  |
| 20 | AcE07B | Installation of cast iron or cast iron-concrete covers without support piece, at the manholes of the water supply and sewerage installations, non-road type U | piece | 1,00 |  |  |
| 21 | 41-01-008-5 | Insulation by painting on vertical concrete surfaces: with bitumen diluted in two layers | 100m2 | 0,112 |  |  |
| 22 | CH10A1 | Ready-made straight metal stairs made in quantities of less than 50 kg | kg | 17,00 |  |  |
| 23 | CA03G | Simple poured concrete with classical means, in foundations, plinths, retaining walls, walls below zero level, prepared with concrete plant compliant goods. art. CA01, pouring with classical means, simple concrete class B 15 | m3 | 0,10 |  |  |
| 24 | CA03G | Simple poured concrete with classical means, in foundations, plinths, retaining walls, walls below zero level, prepared with concrete plant compliant goods. art. CA01, pouring with classical means, simple concrete class B 15 under the valve foundation | m3 | 0,10 |  |  |
| 25 | CA09A | Cyclopean concrete, class B15 on the slopes of the spillway, prepared in centralized installations - paving  | m3 | 4,00 |  |  |
|  |  | **Total Evacuation chimney** |  |  |  USD |  |
|  |  | Total |   |  |  |  |
|  |  | Social fund and health  |  % |  |  |  |
|  |  | Transportation  | % |  |  |  |
|  |  | Total |   |  |  |  |
|  |  | Overhead costs | % |  |  |  |
|  |  | Total |   |  |  |  |
|  |  | Estimate benefit | % |  |  |  |
|  |  | **Total Construction works** |  |  |  USD |  |
|  |  | **2. Mounting works** |  |  |  |  |
| 26 | AcB01B | Cyclopean concrete, class B15 on the slopes of the spillway, prepared in centralized installations - paving | piece | 1,00 |  |  |
|  |  | Social fund and health  |   |  |  |  |
|  |  | Transportation  |  % |  |  |  |
|  |  | Total |   |  |  |  |
|  |  | Overhead costs | % |  |  |  |
|  |  | Total |   |  |  |  |
|  |  | Estimate benefit | % |  |  |  |
|  |  | **Total Lucrari de demontaj** |  |  |  USD |  |
|  |  | **3. Machinery** |  |  |  |  |
| 27 | Market price | Up rubber valve PN10 d = 150mm | piece | 1,00 |  |  |
|  |  | Total |   |  |  |  |
|  |  | Storage | 1,2% |  |  |  |
|  |  | **Total Machinery** |  |  |  USD |  |
|  |  |  |  |  |  |  |
|  |  | **Total bid without VAT: USD**  |

Note: *The bidder’s costs will include all the expenses including: materials and/or equipment, salaries, social payments, indirect costs*

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| --- |
| Bidder  |
| (position, signature, name, surname)  |

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***Construction works for the precipitation water storage basin in Sofia village, Hincesti district, “Cand Vas” LLC***

***List of works’ volumes***

***/*** *Water reservoir’s general construction works);*

|  |
| --- |
| **Bid value: USD** |

*Data: 23-02-2021*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Nocrt. | Symbol of the norm and resource code | Works and expenses | U.M. | Quantity  | Estimate value,  **USD** |
| Per U.M.————incl. salary | Total—————incl. salary |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Chapter 1. Construction works and earthworks** |  |  |  |  |
| 1 | TsC07A1 | Mechanical digging with crawler excavator of 0.81-1.2 m3, with internal combustion engine and control by cables, with dragline equipment, in soil with natural humidity, with unloading in storage, land catg. I - vegetal soil stripping. | 100 m3 | 26,18 |  |  |
| 2 | TsC07E1 | Mechanical digging with crawler excavator of 0.81-1.2 m3, with internal combustion engine and cable control, with dragline equipment, in soil with natural humidity, with unloading in vehicles, land catg. II  | 100 m3 | 16,52 |  |  |
| 3 | TsI51A1 | Transportation of the soil with a dump truck of 10 t at a distance of: 0.05 km in dumps  | t | 2 478,00 |  |  |
| 4 | TsC50A | Repair and maintenance of natural roads for land transport, for every 0.5 km, category I land  | 100 m3 | 16,52 |  |  |
| 5 | TsC51A | Land unloading works in the warehouse, category I land  | 100 m3 | 16,52 |  |  |
| 6 | TsC07D1 | Mechanical digging with crawler excavator of 0.81-1.2 m3, with internal combustion engine and control by cables, with dragline equipment, in soil with natural humidity, with unloading in vehicles, land catg. | 100 m3 | 38,27 |  |  |
| 7 | TsI51A1 | Transportation of soil with the dumper of: 0,05 km in the body of the protective dam | t | 9 568,50 |  |  |
| 8 | TsC50A | Repair and maintenance of natural roads for land transport, for every 0.5 km, I land category | 100 m3 | 38,27 |  |  |
| 9 | TsC51A | Land unloading works in the warehouse, land category I | 100 m3 | 38,27 |  |  |
| 10 | 36-01-001-3 | Executing the dams, dykes, embankments and lower parts of the screens and nuclei on land, from non-cohesive ground with compacting rollers, weight: up to 16 t  | 1000 m3 | 3,827 |  |  |
| 11 | TsD14A01 | Mechanical watering of soil layers with 5-8 t tanker truck, provided with a spraying device, to ensure the necessary humidity for mechanical compaction, as well as for watering surfaces for other purposes  | m3 | 188,00 |  |  |
| 12 | TsA24C | Mechanical depletion of water from excavations, in the field with strong water infiltrations and executed with low pressure water motor pump, driven on tractor U 650, flow rate 200-500 Mc / h - pumping water in tankers | h-ut | 0,94 |  |  |
| 13 | TsD10B1 | Compaction with 15 t sheep's foot roller, of the fillings from cohesive soil, from the body of the dams and dykes, in successive layers of 25 cm thickness before compaction, excluding the watering of each layer separately by 8 passes | 100 m3 | 38,27 |  |  |
| 14 | TsE04B | Leveling the natural land and the embankment platforms with tracked bulldozer, by cutting the embankments and pushing the excavated soil into holes, with tracked bulldozer of 81-180 HP of land catg. I and II - scattered soil | 100m2 | 48,40 |  |  |
| 15 | 36-01-009-2 | Levelling the embankments’ slopes during the earthworks: with bulldozers  | 1000 m2 | 6,375 |  |  |
| 16 | TsC19B1 | Mechanic digging with bulldozer on the crawler 81-180 CP, including the pushing of the ground up to 10m, in fields of category 2 (arranging the fertile soil)  | 100 m3 | 9,66 |  |  |
|  |  | **Total**  |  |  |  USD |  |
|  |  | **1.2. Sanitary fencing** |  |  |  |  |
| 17 | TsH108A | Digging holes for planting mechanized poles  | buc | 162,00 |  |  |
| 18 | CC01A | Concrete steel reinforcements OB 37 shaped in construction workshops with bar diameter up to 8 mm inclusive  | kg | 2,42 |  |  |
| 19 | CA03F | Simple poured concrete with classical means, in foundations, plinths, retaining walls, walls below zero level, prepared with concrete plant compliant goods. art. CA01, pouring with classical means, simple concrete class B 12.5 | m3 | 0,98 |  |  |
| 20 | CO06A | Installation of wire mesh fences fixed on prefabricated reinforced concrete poles mounted at 2.5 m distance interax by drilling, with ridge height of 1.5 m | m | 410,00 |  |  |
| 21 | Market price | Costul stilp beton armat tip "spaler" 2400x90\*90  | buc | 162,00 |  |  |
| 22 | Market price | Costul plasa impletita rabit zincata 55x55mm, d=1,8mm, h=1,5m  | m2 | 615,00 |  |  |
| 23 | CK14A | Metal gates and gates with frames made of ready-made round steel profiles, including the necessary accessories, mounted on reinforced concrete columns  | m2 | 7,85 |  |  |
| 24 | CO05A2 | Tie the rabit net with galvanized wire d = 6mm | m | 486,00 |  |  |
| 25 | CO05A2 | Tie the rabit net with galvanized wire d = 6mm | m | 804,00 |  |  |
|  |  | **Total** |  |  |  USD |  |
|  |  |  |  |  |  |  |
|  |  | **Total** |  USD |  |
|  |  | Social fund and health  |  % |  |  |  |
|  |  | Transportation  | % |  |  |  |
|  |  | Total |   |  |  |  |
|  |  | Overhead costs | % |  |  |  |
|  |  | Total |   |  |  |  |
|  |  | Estimate benefit | % |  |  |  |
|  |  | **Total bid without VAT: USD**  |

Note: *The bidder’s costs will include all the expenses including materials and/or equipment, salaries, social payments, indirect costs*

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| Bidder  |
| (position, signature, name, surname)  |

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***List of works’ volumes***

***/*** *Construction of bottom water evacuation pipeline);*

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| **Bid value: USD** |

*Data: 23-02-2021*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Nocrt. | Symbol of the norm and resource code | Works and expenses | U.M. | Quantity  | Estimate value,  **USD** |
| Per U.M.————incl. salary | Total—————incl. salary |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **1. Construction works****1.1. Eartworks** |  |  |  |  |
| 1 | TsC03B1 | Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading on the field storage of cat. II. | 100 m3 | 0,15 |  |  |
| 2 | TsD03A1 | Spreading the 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 | 0,15 |  |  |
| 3 | TsD05A | Spreading the 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 | 0,15 |  |  |
|  |  | **Total**  |  |  |  USD |  |
|  |  | **1.2 Pepelines** |  |  |  |  |
| 4 | GD52F | Polyethylene pipe, for distribution pipes, mounted in the ditch, with a diameter of 160 mm - HDPE d = 160x9,5mm Pn10 | m | 19,00 |  |  |
| 5 | GD52F | Polyethylene pipe, for distribution pipes, mounted in the ditch, with a diameter of 160 mm - HDPE d=160x6,2mm Pn6 | m | 3,00 |  |  |
| 6 | GD60C | Assembly and disassembly of the drilling rig, screeds and wideners, for pipes with a diameter of 161-250 mm | piece. | 1,00 |  |  |
| 7 | GD59C | Laying the protection pipe, by horizontal directed drilling (FOD), made in normal terrain, for HDPE pipes with a diameter of 250x9.6 mm | m | 10,00 |  |  |
| 8 | GD53I1 | Joining by butt welding of polyethylene fittings, with a diameter of 250 mm, for flange adopters, domed caps, transition fittings and connection ends (and for the perpendicular branch of the tee). For joining elbows, tees and taps - elbow 45 'PE d = 250x9.6mm Pn6 | piece | 2,00 |  |  |
| 9 | CL17B | Various metal garments, mounted visibly: rail, grids, manhole covers, snow stops, grills (trash-rack structure) | kg | 38,00 |  |  |
| 10 | AcA53C | Mounting the fittings by electrical welding. Joining by electrofusion welding between pipe and fitting (plugs, tee, elbow) made of polyethylene, the pipes having a diameter of 160 mm. Note: the type of polyethylene fitting (plugs, tee, elbow) will be included according to the project - adapter with flanges d = 150mm Pn10 | piece. | 2,00 |  |  |
| 11 | GD53K1 | Joining by butt welding of polyethylene fittings, with a diameter of 315 mm, for flange adopters, domed caps, transition fittings and connecting ends (and for the perpendicular branch of the lime). PE100 d = 315x250 mm | piece. | 1,00 |  |  |
| 12 | CL17B | Various metal garments, mounted visibly: rail, grids, manhole covers, snow stops, grills (trash-rack structure) | kg | 3,40 |  |  |
|  |  | **Total**  |  |  |  USD |  |
|  |  | **1.3 evacuation chimney C-15-10 (1 item)** |  |  |  |  |
| 13 | AcE14A | Execution of manholes from prefabricated reinforced concrete elements, for sewerage, circular (ring) with a diameter of 1.5 m, in land without groundwater | m3 | 1,21 |  |  |
| 14 | Market price | Placi prefabricate pentru camine КЦД - 15  | piece. | 1,00 |  |  |
| 15 | Market price | Prefabricated ring for manholes КЦ 15-9a  | piece. | 1,00 |  |  |
| 16 | Market price | Prefabricated ring for manholes КЦ 15-6  | piece. | 1,00 |  |  |
| 17 | Market price | Prefabricated ring for manholes КЦП1-15  | piece. | 1,00 |  |  |
| 18 |  |  КЦО-1  | piece. | 1,00 |  |  |
| 19 |  | КЦ-7-3  | piece. | 1,00 |  |  |
| 20 | AcE07B | Assembling the cast iron or concrete cast iron lids without support piece, at the manholes of the water supply and sewerage installations, non-road type U | piece. | 1,00 |  |  |
| 21 | 41-01-008-5 | Insulation by painting on vertical concrete surfaces: with bitumen diluted in two layers | 100m2 | 0,112 |  |  |
| 22 | CH10A1 | Straight ready-made metal ladders made in smaller amounts than 50 kg | kg | 8,50 |  |  |
| 23 | CA03G | Simple poured concrete with classical means, in foundations, plinths, retaining walls, walls below zero level, prepared with concrete plant compliant goods. art. CA01, pouring with classical means, simple concrete class B 15 under the valve foundation | m3 | 0,10 |  |  |
| 24 | CA03G | Simple poured concrete with classical means, in foundations, plinths, retaining walls, walls below zero level, prepared with concrete plant compliant goods. art. CA01, pouring with classical means, simple concrete class B 15 under the valve foundation | m3 | 0,10 |  |  |
| 25 | CA09A | Beton ciclopian, clasa B15 pe taluze deversorului, preparat in instalatii centralizate - pavaj  | m3 | 4,00 |  |  |
|  |  | **Total**  |  |  |  USD |  |
|  |  | Total |   |  |  |  |
|  |  | Fondul social si medicina |  % |  |  |  |
|  |  | Transportarea | % |  |  |  |
|  |  | Total |   |  |  |  |
|  |  | Cheltueli de regie | % |  |  |  |
|  |  | Total |   |  |  |  |
|  |  | Beneficiu de deviz | % |  |  |  |
|  |  | **Total construction works** |  |  |  USD |  |
|  |  | **2. Mounting works** |  |  |  |  |
| 26 | AcB01B | Installation of fittings with manual or mechanical operation (valves, taps, valves), for water supply or sewerage pipes, with a diameter of 125-150 mm - valve with d = 150mm | piece. | 1,00 |  |  |
|  |  | Social fund and health  |   |  |  |  |
|  |  | Transportation  |  % |  |  |  |
|  |  | Total |   |  |  |  |
|  |  | Overhead costs | % |  |  |  |
|  |  | Total |   |  |  |  |
|  |  | Estimate benefit | % |  |  |  |
|  |  | **Total**  |  |  |  USD |  |
|  |  | **3. Machinery**  |  |  |  |  |
| 27 | Market price | Up rubber valve PN10 d = 150mm | piece. | 1,00 |  |  |
|  |  | Total |   |  |  |  |
|  |  | Storage | 1,2% |  |  |  |
|  |  | **Total Machinery** |  |  |  USD |  |
|  |  |  |  |  |  |  |
|  |  | **Total bid without VAT: USD**  |

Note: *The bidder’s costs will include all the expenses including materials and/or equipment, salaries, social payments, indirect costs*

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| Bidder  |
| (position, signature, name, surname)  |

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