***Building the basin for rainwater collection and storage for irrigation, “Binețe - Lux” LLC, from Beștemac village, Leova rayon***

***List of works’ volume***

***/*** *Building the dam of the basin/*

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

*Date: 15/09/2020*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 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** |  |  |  |  |
| 1 | TsC18A11 | Mechanic digging with bulldozer on the crawler 65-80 CP, including the pushing of the ground up to 10m, in grounds of category 1 in water management conditions (vegetal layer L=20m)  | 100 m3 | 23.300 |  |  |
| 2 | TsC22A11 | Increase in use of hours-equipment art. TsC18, TsC19, TsC20 and TsC21, for transporting the ground for each additional 10 m, exceeding the distance envisaged for the respective items TSC18 for grounds of category I in water management conditions  | 100 m3 | 23.300 |  |  |
| 3 | TsC18A11 К=1.15 | Mechanic digging with bulldozer on the crawler 65-80 CP, including the pushing of the ground up to 10m, in grounds of category 1 in water management conditions (vegetal layer L=20m, wet coat sticking to the basin)  | 100 m3 | 25.700 |  |  |
| 4 | TsC22A11 К=1.15 | Increase in use of hours-equipment art. TsC18, TsC19, TsC20 and TsC21, for transporting the ground for each additional 10 m, exceeding the distance envisaged for the respective items TSC18 for grounds of category I in water management conditions (vegetal layer L=20m, wet coat sticking to the basin)  | 100 m3 | 25.700 |  |  |
| 5 | TsC24A11 | Mechanic digging with scraper of 2.75-3 m3, with a tractor on the crawler 65 CP, including the transportation of the ground up to 100 m, unloading it in layers under 20 cm, ground of category 1 in water management conditions  | 100 m3 | 33.700 |  |  |
| 6 | 36-01-001-1 | 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 | 3.370 |  |  |
| 7 | TsE04A | Levelling the natural land field and the groundwork platforms with bulldozer on wheeled tractor 65-80 hp, by cutting the bumps and pushing the dug soil in the holes, ground cat. I and II  | 100 m2 | 3.040 |  |  |
| 8 | 36-01-009-1 | Levelling the embankments’ slopes during the earthworks: with the excavators  | 1000 m2 | 2.170 |  |  |
| 9 | TsC18A11 | Mechanic digging with bulldozer on the crawler 65-80 CP, including the pushing of the ground up to 10m, in grounds of category 1 in water management conditions (vegetal layer L=50m)  | 100 m3 | 3.720 |  |  |
| 10 | TsC22A11 к=4 | Increase in use of hours-equipment art. TsC18, TsC19, TsC20 and TsC21, for transporting the ground for each additional 10 m, exceeding the distance envisaged for the respective items TSC18 for grounds of category I in water management conditions  | 100 m3 | 3.720 |  |  |
| 11 | TsE04A | Levelling the natural land field and the groundwork platforms with bulldozer on wheeled tractor 65-80 hp, by cutting the bumps and pushing the dug soil in the holes, ground cat. I and II  | 100 m2 | 3.040 |  |  |
| 12 | 36-01-009-2 | Levelling the embankments’ slopes during the earthworks: with bulldozers  | 1000 m2 | 2.102 |  |  |
| 13 | TsC03E11 | 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. I in water management conditions  | 100 m3 | 45.280 |  |  |
| 14 | TsI51A1 | Transportation of soil with the dumper of 10 t at a distance of 1 km  | t | 6 792.000 |  |  |
|  |  | **Total Construction Works**  |  |  |  USD  |  |
|  |  |  |  |  |  |  |
|  |  | **Total** |  USD  |  |
|  |  | Social fund and health  |  % |  |  |  |
|  |  | Transportation  | % |  |  |  |
|  |  | Storage  | % |  |  |  |
|  |  | 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’ volume***

***/*** *Bottom water discharge construction/*

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| Bid value: **USD** |

*Date: 15/09/2020*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 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 | TsC06B21 | Mechanic digging with track-laying excavator of 0,5-0,8 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  | 100 m3 | 0.100 |  |  |
| 2 | TsE01C | Manual levelling of the land field and platforms, with subsidence of 10-20 cm, in hard soil  | 100 m2 | 0.250 |  |  |
| 3 | TsD04A | Compacting with manual knocker of the embankments in horizontal of inclined digs to 1/4, including watering every layer of land separately, with the thickness of 10 cm of non-cohesive ground  | m3 | 25.200 |  |  |
| 4 | TsC06B21 | Mechanic digging with track-laying excavator of 0,5-0,8 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 | 0.030 |  |  |
| 5 | TsD01C | Spreading 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 hard ground | m3 | 0.030 |  |  |
| 6 | TsC54C | Foundation layer of gravel  | m3 | 0.740 |  |  |
| 7 | AcE13B | Executing the manholes from the reinforced concrete pre-manufactured elements, for sewerage, circular (ring-type) with diameter of 1,0 m, in the field with underground water  | m3 | 0.420 |  |  |
| 8 | Market price  | КЦД -10 | pcs | 1.000 |  |  |
| 9 | Market price  | КЦ-10-9 | pcs | 1.000 |  |  |
| 10 | AcE10B | Executing the manholes from the reinforced concrete pre-manufactured elements, for circular (ting-type) water supply, with diameter of 1.0 m, in the field with underground water | m3 | 0.540 |  |  |
| 11 | Market price  | КЦД -10 | pcs | 1.000 |  |  |
| 12 | Market price  | КЦ-10-9 | pcs | 1.000 |  |  |
| 13 | Market price  | КЦП-1-10-1 | pcs | 1.000 |  |  |
| 14 | Market price  | КЦО-1  | pcs | 1.000 |  |  |
| 15 | Market price  | Led of cast iron of U type  | pcs | 1.000 |  |  |
| 16 | RpCE06A | Water-repellent insulation on large concrete surfaces, horizontal or inclined up to 20 degrees, flat or curved, on terraces, balconies, roofs, sedos, domes, basements on rubber, etc., executed in hot conditions, with molten bitumen applied in 2 layers  | m2 | 6.530 |  |  |
| 17 | AcA04B | Mounting in the ground the steel pipes, assembled via electrical welding, with the diameter of 125-150 mm (steel pipe D=150x4)  | m | 31.500 |  |  |
| 18 | IzL08A | Manual insulation of the pipes mounted in the ground, with 2 layers of bitumen and one layer of paper of sulphite type I  | m2 | 14.840 |  |  |
| 19 | AcB01B | Assembling the fitting with manual or mechanic triggering (valves, taps, faucets) on the water supply or sewerage pipes, with the diameter 125-150 mm (Fillet d=150mm)  | pcs | 1.000 |  |  |
| 20 | AcA26B | Combining the flanges of the linking pieces, flanges, including the blind flanges and fittings, with the diameter 125-250 mm (Flange d=150mm)  | pcs | 2.000 |  |  |
| 21 | TsD01B | Spreading 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 | 10.000 |  |  |
| 22 | TsD04B | Compacting with manual knocker of the embankments in horizontal of inclined digs to 1/4, including watering every layer of land separately, with the thickness of 10 cm of cohesive ground  | m3 | 10.000 |  |  |
| 23 | Dl129 | Fillings with gross stone for artificial elements on the roads (stone cog) | m3 | 0.900 |  |  |
| 24 | CL17B | Various metal garments, mounted visibly: rail, grids, manhole covers, snow stops, grills (trash-rack structure)  | kg | 14.000 |  |  |
| 25 | CN21A | Painting the railings, grids and railing, executed with oil paints in 2 layers | m2 | 0.380 |  |  |
|  |  | **Total Construction Works**  |  |  |  USD  |  |
|  |  |  |  |  |  |  |
|  |  | **Total** |  USD  |  |
|  |  | Social fund and health  |  % |  |  |  |
|  |  | Transportation  | % |  |  |  |
|  |  | Storage  | % |  |  |  |
|  |  | 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’ volume***

***/*** *Discharge run over of open type /*

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| Bid value: **USD** |

*Date: 15/09/2020*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 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** |  |  |  |  |
| 1 | TsC35F11 | Transport for excavation with frontal loader, for loading distances in motor vehicle with frontal loader on tracks of 0.5 to 0.99 m3, soil from ground category II, at distances of 11-20 m (Planning the ground using the “BOBCAT” type loader, 0.5 - 0.99 m3, at a distance of 20m) (130,4m2х0,1m=13,04m3 )   | 100 m3 | 0.130 |  |  |
| 2 | TsA02B | 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 up to 0.75 m middle ground | m3 | 18.000 |  |  |
| 3 | TsC53A | Compacting the soil with gravel (th.10cm = 0.7m3)  | 100 m2 | 0.070 |  |  |
| 4 | Dl119 | Monolithic foundations of concrete B20 at artificial buildings  (Concrete preparing construction 10 cm thick, concrete class B15 F50,W6)  | m3 | 0.700 |  |  |
| 5 | Dl126 | Installing the monolithic concrete casing for artificial elements on the roads (assembling the rolled mesh)  | t | 0.165 |  |  |
| 6 | Dl119 | Monolithic foundations of concrete B15 F150 W6 at artificial elements (laying monolithic concrete in the core wall, concrete B15 F100,W6)  | m3 | 4.820 |  |  |
| 7 | TsJ05C | (Attention! - ONLY WORK) Protecting earthworks with fabric from Geotextile 200gr/m2  | m2 | 150.000 |  |  |
| 8 | price | Polypropylene geotextile-fiber 200gr/m2  | m2 | 150.000 |  |  |
| 9 | TsJ05A | (Attention! - ONLY WORK) Protecting earthworks with nonwoven cloth, on embankments, against ravines, of type CT100/200 (П) or other equivalent type  | m2 | 150.000 |  |  |
| 10 | market price | Cost of the geogrid-fabric of type CT 150/220 (П) | m2 | 150.000 |  |  |
| 11 | Dl119 | Monolithic foundations of concrete B15 F150 W6 at artificial elements (filling in the geogrid with concrete B15 F150 W6)  | m3 | 22.500 |  |  |
| 12 | price |  Steel clamps diam. 8.0mm  | kg | 9.000 |  |  |
| 13 | Dl129 | Fillings with gross stone for artificial elements on the roads (stone cog) | m3 | 16.700 |  |  |
|  |  | **Total Construction Works**  |  |  |  USD  |  |
|  |  |  |  |  |  |  |
|  |  | **Total** |  USD  |  |
|  |  | Social fund and health  |  % |  |  |  |
|  |  | Transportation  | % |  |  |  |
|  |  | Storage  | % |  |  |  |
|  |  | 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’ volume***

***/*** *Access road to the basin for the special technical means of the firefighting service/*

 Bid value: **USD**

*Date: 15.09.20.*

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

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| --- | --- | --- | --- | --- | --- | --- |
|   |  | **1. Construction works** |  |  |  |  |
|  |  | **1.1. Earthworks**  |  |  |  |  |
| 1 | TsC18B1 | Mechanic digging with bulldozer on the crawler 65-80 HP, including the pushing of the ground up to 10m, in fields of category 2 (excavation of fertile soil)  | 100 m3 | 0.150 |  |  |
| 2 | TsC18B1 | Mechanic digging with bulldozer on the crawler 65-80 HP, including the pushing of the ground up to 10m, in fields of category 2 (levelling the embankment)  | 100 m3 | 0.20 |  |  |
| 3 | TsC18B1 | Mechanic digging with bulldozer on the crawler 65-80 HP, including the pushing of the ground up to 10m, in fields of category 2 (excavating the mineral soil)  | 100 m3 | 0.150 |  |  |
| 4 | TsC18B1 | Mechanic digging with bulldozer on the crawler 65-80 HP, including the pushing of the ground up to 10m, in fields of category 2 (arranging the fertile soil)  | 100 m3 | 0.150 |  |  |
| 5 | TsC02D1 | Mechanic digging with pneumatic excavator of 0,21-0,39 m3, with hydraulic command, in grounds with natural humidity, and auto unloading of field of cat. I (loading the mineral soil)  | 100 m3 | 0.150 |  |  |
| 6 | TsI50A1 k=0.2 | Transportation of soil with the dumper at a distance of 1.0 km  | t | 30.00 |  |  |
|  |  | Total |  USD  |  |
|  |  | **1.2. Road clothing / paving**  |  |  |  |  |
| 7 | TsC53B | Mechanical compacting of the soil  | 100 m2 | 1.50 |  |  |
| 8 | DA06A2 | Layer of natural cylinder aggregates, having the function of filtering resistance, insulation, ventilation, anti-capillary, with sand-based manual coverage  | m3 | 15.00 |  |  |
| 9 | Dl134 | Mechanized placement of the road clothing from crushed stone using the method of wedging in one layer H=16 cm  | 100 m2 | 1.50 |  |  |
| 10 | CA04A4 | Cast concrete slabs , beams , columns , prepared manually and pouring with classical means of reinforced concrete Class C15 W4 F75, at heights up to 35 m inclusively (claw)  | m3 | 0.40 |  |  |
|  |  | Total  |  USD  |  |
|  |  | **1.3. Drainage ditches**  |  |  |  |  |
| 11 | 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 |  |  |
| 12 | TsC54B | Fillings in the trenches, as substrate, protection layer, insulating layer, filtering layer made using lime crushed stone M300, 10cm thick  | m3 | 0.50 |  |  |
| 13 | CA02B2 | Simple concrete cyclopean - with rocks, poured in slopes, caped at heights up to 35 m inclusively, prepared with cement mixer at the site and pouring with classical means of concrete B15  | m3 | 1.00 |  |  |
| 14 | TsD03A1 | Filling with loose land coming from the fields of category I and II, executed with caterpillar tractor-based bulldozer 65-80 HP, in layers with thickness of 15-20 cm | 100 m3 | 3.00 |  |  |
| 15 | TsC53B | Manual compacting of the soil  | 100 m2 | 0.10 |  |  |
| 16 | AcA04E | Mounting in the ground the steel pipes 425x6mm Small materials (screws, pellets, wires) = 1.03  | m | 6.00 |  |  |
| 17 | IzL08A | Manual insulation of the pipes mounted in the ground, with 2 layers of bitumen and 1 layer of paper sulphite type, type I  | m2 | 8.00 |  |  |
|  |  | Total  |  USD  |  |
|  |  | **1.4 Security barrier and signs**  |  |  |  |  |
| 18 | CL10D | Railings, stair heads, grates, bars and metal structures supplied in ready-made sub-sets, at heights up to 35 m and weight between 0.151 - 1.500 t, assembled by welding position (barrier, metallic elements Ø 50mm), with fixing accessories and lock  | t | 0.17 |  |  |
| 19 | CA02B2 | Simple concrete cyclopean - with rocks, poured in slopes, caped at heights up to 35 m inclusively, prepared with cement mixer at the site and pouring with classical means of concrete B15  | m3 | 0.50 |  |  |
| 20 | IzD05B | Manual priming with a layer of minium lead - based paint on metallic constructions related to the technological equipment (supporting elements, rods, back legs, platforms)  | t | 0.17 |  |  |
| 21 | IzD06B | Painting with oil-based paint in 2 layers of metallic constructions related to the technological equipment (supporting elements, rods, back legs, platforms)  | t | 0.17 |  |  |
| 22 | Market price  | Installing security signs - prohibited bathing, on galvanized metal pillar, diameter 50 mm, h- 1.5m, embedded in concrete B7.5, at a depth of 50cm | pcs | 4 |  |  |
|  |  | Total  |  USD  |  |
|  |  | **Total construction/ mounting works**  |  |  |  USD  |  |
|  |  |  |  |  |  |  |
|  |  | **Total** |  USD  |  |
|  |  | Social fund and health  |  % |  |  |  |
|  |  | Transportation  | % |  |  |  |
|  |  | Storage  | % |  |  |  |
|  |  | 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)*

S.P.