***Building the basin for rainwater collection and storage for irrigation, “Lucia Rotaru” Farm, from Lapusna village, Hîncești rayon***

***List of works’ volume***

***/*** *Building the dam and capacitating the basin/*

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| Bid value: **USD** |

*Date: 15/09/2020*

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| No  crt. | 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 | | 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 (L=50m) | | 100 m3 | | 22.510 | | |  | |  |
| 2 | | TsC22D1 k=4 | | Increase in consumption of hour-equipment from items TsC18, TsC19, TsC20 and TsC21, for transportation of soil per each additional 10 m, over the distance provided in the respective items TSB19B1, ground category II | | 100 m3 | | 22.510 | | |  | |  |
| 3 | | 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 | | 8.807 | | |  | |  |
| 4 | | 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 | | 100 m2 | | 20.470 | | |  | |  |
| 5 | | 36-01-009-1 | | Levelling the embankments’ slopes during the earthworks: with the excavators | | 1000 m2 | | 7.496 | | |  | |  |
| 6 | | TsC18A1 | | Mechanic digging with bulldozer on the crawler 65-80 HP, including the pushing of the ground up to 10m, in fields of category 1 | | 100 m3 | | 8.150 | | |  | |  |
| 7 | | TsC22A1 k=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 TSC18A1, for grounds of category I | | 100 m3 | | 8.150 | | |  | |  |
|  | |  | | **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***

***/*** *Water discharge construction/*

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| Bid value: **USD** |

*Date: 15/09/2020*

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| --- | --- | --- | --- | --- | --- | --- |
| No  crt. | 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. Embankment works** | |  | |  | | |  | |  |
| 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 | | 0.685 | | |  | |  |
|  | |  | | **Chapter 2. Entry construction** | |  | |  | | |  | |  |
| 2 | | TsC53A | | Compacting the soil with gravel (th. 0.1 m = 0.23 m3) | | 100 m2 | | 0.023 | | |  | |  |
| 3 | | Dl119 | | Monolithic foundations of concrete B20 in artificial elements  (Concrete preparing construction 10 cm thick, concrete class B15 F50,W6) | | m3 | | 1.810 | | |  | |  |
| 4 | | Dl119 | | Monolithic foundations of concrete B15 F150 W6 in artificial elements  (Foundation construction made from concrete B15 F100,W6 t=0.7m) | | m3 | | 0.800 | | |  | |  |
| 5 | | Dl129 | | Fillings with gross stone for artificial elements on the roads  (Rock installation, t=15-20 cm) | | m3 | | 0.620 | | |  | |  |
| 6 | | CL18A | | Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete  (Metal framework for water discharge) | | kg | | 2 339.490 | | |  | |  |
| 7 | | 40-01-012-05 | | Executing the double bottom board at hydro-technical constructions made of plates and boards (stop-planks) | | 100 m2 | | 0.014 | | |  | |  |
| 8 | | CN32A1 | | Painting the carpentry with special solutions (surface treatment) executed manually in 3 layers of linoleum, at the rough carpentry | | m2 | | 1.400 | | |  | |  |
| 9 | | TsE01B | | Manual levelling of the land field and platforms, with subsidence of 10-20 cm, in middle soil | | 100 m2 | | 0.320 | | |  | |  |
|  | |  | | **Chapter 3. Pipe Part** | |  | |  | | |  | |  |
| 10 | | TsC53A | | Compacting the soil with gravel (th. 0.1 m = 1.24 m3) | | 100 m2 | | 0.124 | | |  | |  |
| 11 | | AcA04E | | Mounting in the ground the steel pipes, assembled via electrical welding, with the diameter of 400-500 (pipes d=426x6mm) | | m | | 30.900 | | |  | |  |
| 12 | | Dl119 | | Monolithic foundations of concrete B15 F150 W6 in artificial elements (Concrete core wall, concrete B15 F100,W6) | | m3 | | 0.560 | | |  | |  |
| 13 | | IzL08A | | Manual insulation of the pipes mounted in the ground, with 2 layers of bitumen and 2 layers of paper sulphite type, type I (insulating the steel pipe) | | m2 | | 97.420 | | |  | |  |
| 14 | | Dl121 | | Executing the waterproofing by lubricating in 2 layers for artificial elements at roads  (Membrane waterproofing) | | m2 | | 4.420 | | |  | |  |
| 15 | | CL17B | | Various metal garments, mounted visibly: rail, grids, manhole covers, snow stops, grills (trash-rack structure) | | kg | | 6.637 | | |  | |  |
| 16 | | CN21A | | Painting the railings, grids and railing, executed with oil paints in 2 layers | | m2 | | 0.180 | | |  | |  |
|  | |  | | **Chapter 4. Exit band** | |  | |  | | |  | |  |
| 17 | | TsC53A | | Compacting the soil with gravel (th. 0.05m = 0.07 m3) | | 100 m2 | | 0.014 | | |  | |  |
| 18 | | Dl119 | | Monolithic foundation of concrete B15 F150 W6 in artificial elements (laying monolith concrete on the bottom, and the walls of the end wall) | | m3 | | 2.000 | | |  | |  |
| 19 | | Dl129 | | Fillings with gross stone for artificial elements on the roads (stone cog) | | m3 | | 0.280 | | |  | |  |
|  | |  | | **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*

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| --- | --- | --- | --- | --- | --- | --- |
| No  crt. | 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 | | TsC35A12 | | 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 form land field of category 1, at distances of 21-30 m  (Processing and moving the ground using the “BOBCAT” type loader, 0.5 - 0.99 m3, into a dump, ground category 1, at a distance of 20-50m) | | 100 m3 | | 0.840 | | |  | |  |
| 2 | | TsC35A12 | | 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 form land field of category 1, at distances of 21-30 m  (levelling the ground with the “BOBCAT” type loader, 0.5 - 0.99 m3 in the dump, ground category I, at a distance of 20-50 m) | | 100 m3 | | 0.840 | | |  | |  |
| 3 | | TsC35A1 | | 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 form land field of category 1, at distances of < 10 m  (Grading the bottom and the slope using the “BOBCAT” type loader, 0.5 - 0.99 m3 at a distance up to 10 m (145.0m2х0.1m=14.5m3) | | 100 m3 | | 0.145 | | |  | |  |
| 4 | | TsJ05C | | (Attention! - ONLY WORK)  Protecting earthworks with fabric of Geotextile type 200gr.m2 | | m2 | | 145.000 | | |  | |  |
| 5 | | Market price | | Polypropylene geotextile-fiber 200gr/m2 | | m2 | | 145.000 | | |  | |  |
| 6 | | TsJ05A | | (Attention! - ONLY WORK)  Protecting earthworks with nonwoven cloth, on embankments, against ravines, of type CT100/200 (П) or other equivalent type | | m2 | | 145.000 | | |  | |  |
| 7 | | market price | | The cost of the fabric/cloth of equivalent type with type СТ 100/200(П) | | m2 | | 145.000 | | |  | |  |
| 8 | | Dl119 | | Monolithic foundations of concrete B15 F150 W6 at artificial elements  (Filling the geo-grids with concrete B15 F150 W6) | | m3 | | 21.000 | | |  | |  |
| 9 | | price | | Steel clamps, with diameter Ø 8.0mm and length 0.9m | | kg | | 95.500 | | |  | |  |
|  | |  | | **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.*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No  crt. | 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 |
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|  | |  | | **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.