**LIST WITH QUANTITIES OF WORKS**

**FOR PRICE QUOTATION**

**1. Name of the beneficiary: Crihana Veche commune mayor’s office, Cahul district**

**2. Organizer of the procurement procedure: UNDP Moldova/ EU4Moldova: Focal Regions Programme**

**3. The object of the procurement Access road and territory improvement for the Local Business Development Center in Crihana Veche village, Cahul district.**

**Road construction**

**Bid currency: USD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Symbol of the norm and resource code | Works and costs | M.U. | Quantity as per project data | Estimated cost, USD | |
| Per unit of measurement  ————  including wages | Total  —————  including wages |

| 1 | | 2 | | 3 | | | 4 | | 5 | | | 6 | | 7 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **1. Road construction** | | |  | |  | | |  | |  |
|  | |  | | **1.1. . Tree clearing works** | | |  | |  | | |  | |  |
| 1 | | TsG08D | | Mechanical felling of hardwood and fir trees with a mechanical saw, including the transportation of the wood material to storage areas, outside or in the area of the works, trees having a diameter of 10...30 cm. | | | unit | | 0.00 | | |  | |  |
| 2 | | TsG08B | | Cutting with mechanic sawing the coniferous trees, including manual transportation of the wood to warehouses, outside or within the site territory, the trees having a diameter of 31...50 cm | | | unit | | 0.00 | | |  | |  |
| 3 | | TsG17B | | Removing with the digger mounted on the tractor S-1500 of the trees stools cut from the meadow fields, the trees trunk having the diameter from 41 cm to to 70 cm | | | 100 units | | 0.410 | | |  | |  |
| 4 | | TrI1AG03G2 | | Group G materials – round, thin, resinous or deciduous softwoods, loaded from the ground into category 2 cars | | | t | | 7.35 | | |  | |  |
| 5 | | TsI51A1 | | Transportation of soil with the dumper of 10 t at a distance of 0.5 km demolition crushed stone k=0.92 | | | t | | 7.35 | | |  | |  |
|  | |  | | **Total Tree clearing works**  **Including wages** | | |  |  | | |  | | |  |
|  | |  | | **1.2. Demolishing works. Earthworks general bill of materials** | | |  | |  | | |  | |  |
| 6 | | RpCB18F | | Demolishing the old concrete with mechanic means, simple concrete | | | m3 | | 22.080 | | |  | |  |
| 7 | | TsC03G1 | | 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 trucks, ground cat. III (loading of materials from demolition) | | | 100 m3 | | 0.221 | | |  | |  |
| 8 | | TsI51A2 | | Transportation of soil with the dumper of 10 t at a distance of: 2 km | | | t | | 52.990 | | |  | |  |
| 9 | | RpCS20G | | Removal of metal, plain, wrought iron or decorative barriers | | | kg | | 1 640,000 | | |  | |  |
| 10 | | TrI1AF07A4 | | Loading of materials – scrap metal, – moving up to 10 m | | | t | | 1.640 | | |  | |  |
| 11 | | TsI51A2 | | Transportation of soil with the dumper of 10 t at a distance of: 2 km | | | t | | 1.640 | | |  | |  |
| 12 | | DG04B | | Dismantling stone or concrete borders of any size, placed on concrete | | | m | | 248.000 | | |  | |  |
| 13 | | TsC03G1 | | 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 trucks, ground cat. III (loading of materials from demolition) | | | 100 m3 | | 0.248 | | |  | |  |
| 14 | | TsI51A2 | | Transportation of soil with the dumper of 10 t at a distance of: 2 km | | | t | | 62.000 | | |  | |  |
| 15 | | TRI1AA09F1 | | Unloading of group A materials – heavy, in chunks, by transport, distance up to 10 m – from car, category 1, from ramp or ground | | | t | | 62.000 | | |  | |  |
| 16 | | DI109 | | Mechanized stripping of asphalt concrete surfacing | | | m3 | | 132.260 | | |  | |  |
| 17 | | TsC03G1 | | 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 trucks, ground cat. III (loading of materials from demolition) | | | 100 m3 | | 1.320 | | |  | |  |
| 18 | | TsI51A1 | | Transportation of soil with the dumper of 10 t at a distance of: 1 km | | | t | | 291.000 | | |  | |  |
| 19 | | 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 | | 0.238 | | |  | |  |
| 20 | | TsC21B1 | | Mechanical digging with moto greder up to 175 HP, including spreading of the ground up to 10m, in ground of category II | | | 100 m3 | | 0.238 | | |  | |  |
| 21 | | TsC22K1 | | 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 TSC21B1, ground category II (k=4) | | | 100 m3 | | 0.238 | | |  | |  |
| 22 | | TsC03B1 | | Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, unloading on the field storage, soil of cat. II | | | 100 m3 | | 21.970 | | |  | |  |
| 23 | | TsI51A2 | | Transportation of soil with the dumper of 10 t at a distance of: 2 km | | | t | | 4 108,110 | | |  | |  |
| 24 | | TsC51B | | Unloading works | | | 100 m3 | | 21.970 | | |  | |  |
| 25 | | TsC03B1 | | Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, unloading on the field storage, soil of cat. II | | | 100 m3 | | 1.420 | | |  | |  |
| 26 | | TsI51A2 | | Transportation of soil with the dumper of 10 t at a distance of: 2 km | | | t | | 265.070 | | |  | |  |
| 27 | | TsC21B1 | | Mechanical digging with moto greder up to 175 HP, including spreading of the ground up to 10m, soil category II, coating | | | 100 m3 | | 1.420 | | |  | |  |
| 28 | | TsD08A1 | | Mechanical compaction of backfill with a 10.1-16 t pneumatic tyre roller compactor, in successive layers of 15-25 cm thickness after compaction, excluding the watering of each layer, the fills being executed with non-cohesive soil. | | | 100 m3 | | 1.420 | | |  | |  |
| 29 | | DH02B | | Light scarification with motor grader, including reprofiling | | | 100 m2 | | 21.760 | | |  | |  |
| 30 | | TsE05C | | Levelling with motor grader up to 175 HP of the natural land field and of the groundwork platforms, by cutting the bumps and pushing the dug soil in the holes (platform area) | | | 100 m2 | | 21.760 | | |  | |  |
| 31 | | DI96 | | Compacting the earthwork in the ground of cat. II with pneumatic compactor of 25 t, 8 movements on one pathway (only the compactor shall remain in the rules) 2176.00 m2 | | | 100 m3 | | 6.530 | | |  | |  |
| 32 | | TsC03E1 | | Mechanical digging with excavator of 0.40-0.70 cubic meters, with internal combustion engine and hydraulic control, in soil with natural humidity, unloading in vehicles, soil category I (loading of topsoil) | | | 100 m3 | | 3.395 | | |  | |  |
| 33 | | TsI51A10 | | Transporting soil by 10 t dump truck at a distance of 10 km | | | t | | 475.230 | | |  | |  |
| 34 | | 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 medium-hard soil (topsoil placement) | | | m3 | | 339.450 | | |  | |  |
| 35 | | TsH09C | | Planting the lawns on the bank areas with 1 kg of seeds per 100 m2 | | | 100 m2 | | 22.630 | | |  | |  |
| 36 | | TsH12B | | Watering surfaces with a hose from a water tank | | | 100 m2 | | 22.630 | | |  | |  |
|  | |  | |  | | |  |  | | |  | | |  |
|  | |  | | **Total Demolishing works. Earthworks general bill of materials**  **Including wages** | | |  |  | | |  | | |  |
|  | |  | | **1.3. Road pavement system development and construction** | | |  | |  | | |  | |  |
| 37 | | TsC03F1 | | Mechanical digging with excavator of 0.40-0.70 cubic meters, with internal combustion engine and hydraulic control, in soil with natural humidity, unloading in vehicles, soil category II (Excavation for the kerb) | | | 100 m3 | | 0.450 | | |  | |  |
| 38 | | TsI51A2 | | Transportation of soil with the dumper of 10 t at a distance of: 2 km | | | t | | 84.430 | | |  | |  |
| 39 | | TsC54B | | LA 40 fr. 16-45mm crushed stone layer, as per EN 13242+A1, under the kerb | | | m3 | | 25.800 | | |  | |  |
| 40 | | DE10E | | Precast concrete curbs, (concrete curb 100x30x15, on concrete foundation, monolithic concrete C16/20) | | | m | | 516.000 | | |  | |  |
| 41 | |  | | Concrete C16/20 (in addition to DE10E), as per design | | | m3 | | 3.610 | | |  | |  |
| 42 | | DA06B2 | | Layer of natural cylinder aggregates, having the function of filtering resistance, insulation, ventilation, anti-capillary, with manual coverage, with sand 0/8 mm SM EN 13242 | | | m3 | | 167.700 | | |  | |  |
| 43 | | DA12B | | Foundation layer or re-profiling of crushed stone, for roads, laid down mechanically, done by filling up, without spreading optimum mix fr. 8-63, LA30 SM SR EN 13242 h=25 cm | | | m3 | | 419.250 | | |  | |  |
| 44 | | DA17B | | Covering with polyethylene film with a thickness of at least 90 microns. | | | m2 | | 1 677,000 | | |  | |  |
| 45 | | RpDD03A | | Cement concrete bases for streets, alleys and carriageways (road cement concrete C25/30 XF4, XC4, XD1, XM2 as per SM EN 206, h=0.16 m) | | | m3 | | 268.320 | | |  | |  |
| 46 | | DC04A | | Cutting with the machines having diamond disks of the contraction and expansion joints in old concrete (Compression joint) | | | m | | 494.000 | | |  | |  |
| 47 | | PD04A | | Installation of metal shear studs, Ø 18 mm, L= 500 mm | | | kg | | 370.500 | | |  | |  |
| 48 | | PD04A | | Installation of reinforcement A240, Ø 4 mm, L= 220 mm | | | kg | | 30.320 | | |  | |  |
| 49 | | DC04A | | Cutting with the machines having diamond disks of the contraction and expansion joints in old concrete (Expansion joint) | | | m | | 378.000 | | |  | |  |
| 50 | | PD04A | | Installation of metal shear studs, Ø 18 mm, L= 500 mm | | | kg | | 756.000 | | |  | |  |
| 51 | | PD04A | | Installation of reinforcement A240, Ø 4 mm | | | kg | | 2 531,090 | | |  | |  |
| 52 | | PD04A | | Installation of reinforcement A240, Ø 4 mm, L= 410 mm | | | kg | | 230.610 | | |  | |  |
| 53 | | RpAr6A | | Blowing out, cleaning and filling joints with bitumen mastic (longitudinal joints) (bitumen mastic is not included in the norm) | | | m | | 872.000 | | |  | |  |
| 54 | | material | | Bituminous mastic | | | kg | | 1 080,000 | | |  | |  |
|  | |  | |  | | |  |  | | |  | | |  |
|  | |  | | **Total Road pavement system development and construction**  **Including wages** | | |  |  | | |  | | |  |
|  | |  | | **1.4. Improvements and drainage systems** | | |  | |  | | |  | |  |
|  | |  | | **1.4.1. Building and arranging the parking lots** | | |  | |  | | |  | |  |
| 55 | | DA06B2 | | Layer of natural cylinder aggregates, having the function of filtering resistance, insulation, ventilation, anti-capillary, with manual coverage, with sand 0/8 mm SM EN 13242 h=0.1 m | | | m3 | | 49.900 | | |  | |  |
| 56 | | DA12B | | Foundation layer or re-profiling of crushed stone, for roads, laid down mechanically, done by filling up, without spreading optimum mix fr. 8-63, LA30 SM SR EN 13242 h=25 cm | | | m3 | | 124.750 | | |  | |  |
| 57 | | DE18A | | Pavement made of precast concrete paving slabs laid on a layer of dry cement and sand mixture in the proportion 1:6, embroidered with dry mixture of cement and sand , 5 cm thick layer (Pavement h=8 cm) | | | m2 | | 499.000 | | |  | |  |
|  | |  | |  | | |  |  | | |  | | |  |
|  | |  | | **Total Building and arranging the parking lots**  **Including wages** | | |  |  | | |  | | |  |
|  | |  | | **1.4.2. Building and arranging the sidewalks** | | |  | |  | | |  | |  |
| 58 | | TsC03F1 | | Mechanical digging with excavator of 0.40-0.70 cubic meters, with internal combustion engine and hydraulic control, in soil with natural humidity, unloading in vehicles, soil category II | | | 100 m3 | | 0.980 | | |  | |  |
| 59 | | TsI51A2 | | Transportation of soil with the dumper of 10 t at a distance of: 2 km | | | t | | 183.070 | | |  | |  |
| 60 | | DG04B | | Dismantling stone or concrete borders of any size, placed on concrete | | | m | | 259.000 | | |  | |  |
| 61 | | DI109 | | Mechanized stripping of asphalt concrete surfacing | | | m3 | | 64.500 | | |  | |  |
| 62 | | TsC03F1 | | 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, soil category II (loading) | | | 100 m3 | | 0.710 | | |  | |  |
| 63 | | TsI51A2 | | Transportation of soil with the dumper of 10 t at a distance of: 2 km | | | t | | 170.340 | | |  | |  |
| 64 | | TsC51B | | Unloading works | | | 100 m3 | | 1.830 | | |  | |  |
| 65 | | TsE05C | | Levelling with motor grader up to 175 HP of the natural land field and of the groundwork platforms, by cutting the bumps and pushing the dug soil in the holes (platform area) | | | 100 m2 | | 3.740 | | |  | |  |
| 66 | | DI96 | | Compacting the earthwork in the ground of cat. II with pneumatic compactor of 25 t, 8 movements on one pathway (only the compactor shall remain in the rules) 374 m2 | | | 100 m3 | | 0.750 | | |  | |  |
| 67 | | DA12B | | Foundation layer or re-profiling of crushed stone, for roads, laid down mechanically, done by filling up, without spreading optimum mix fr. 8-31.5, LA30 SM SR EN 13242 h=15 cm | | | m3 | | 72.150 | | |  | |  |
| 68 | | DE18A | | Pavement made of precast concrete paving slabs laid on a layer of dry cement and sand mixture in the proportion 1:6, embroidered with dry mixture of cement and sand , 5 cm thick layer (Pavement h=6 cm) | | | m2 | | 481.000 | | |  | |  |
| 69 | | DE11A | | Small edging, precast from concrete with section of 10x15 cm, for framing green spaces, sidewalks, alleys, etc., placed on a concrete foundation, de 10x20 cm (According to SM EN 1340, Small edges 100x20x8 cm on X0 concrete foundation C16/20 X0) | | | m | | 187.000 | | |  | |  |
| 70 | |  | | Concrete C16/20 XO (excluded from DE11A) | | | m3 | | 0.00 | | |  | |  |
|  | |  | |  | | |  |  | | |  | | |  |
|  | |  | | **Total Building and arranging the sidewalks**  **Including wages** | | |  |  | | |  | | |  |
|  | |  | | **1.4.3. Improvement and adjustment of wells** | | |  | |  | | |  | |  |
| 71 | | RpAcF34A | | Removing the lids of manholes | | | pcs. | | 12.000 | | |  | |  |
| 72 | | Dl119 | | Monolithic foundations of concrete C16/20 according to SM EN 206, at artificial buildings | | | m3 | | 7.890 | | |  | |  |
| 73 | | AcE08C | | Installation of heavy cast-iron covers with supporting piece CPA-120/62.5/12 made of reinforced concrete, circular or square, on inspection chambers of water supply and sewage installations, for roadways (Cast-iron manhole covers with frame D400, with concrete supporting piece) | | | pcs. | | 12.000 | | |  | |  |
|  | |  | |  | | |  |  | | |  | | |  |
|  | |  | | **Total Improvement and adjustment of wells**  **Including wages** | | |  |  | | |  | | |  |
|  | |  | |  | | |  |  | | |  | | |  |
|  | |  | | **Total Improvements and drainage systems**  **Including wages** | | |  |  | | |  | | |  |
|  | |  | | **1.5. Installation of fences** | | |  | |  | | |  | |  |
|  | |  | | **1.5.1. Euro Fence installation** | | |  | |  | | |  | |  |
| 74 | | TsA20B | | Manual digging of soil, slopes, excavator or scraper excavated embankments, to complete digging the slope, in medium-hard soil | | | m3 | | 15.750 | | |  | |  |
| 75 | | CA03C | | Concrete poured in foundation, basement, support walls and walls under zero level, prepared with the concrete plant and pouring with classical means of reinforced concrete Class C 20/25 | | | m3 | | 15.750 | | |  | |  |
| 76 | | CC01B1 | | Reinforced concrete PC 52 steel fittings shaped in construction shops, with bars over 8 mm diameter welded mesh | | | kg | | 143.140 | | |  | |  |
| 77 | | CO06B4 | | Fencing from wire mesh with fence round steel panels fixed to the pre-manufactured reinforced concrete pillars mounted with a spacing of 2 m, spacing made by tamping with stone, with the ridge height of 2.05 m, for using simple concrete to plant the metallic pillars - only mounting | | | m | | 146.000 | | |  | |  |
| 78 | |  | | Galvanized and painted fence panel – Height 2.0 m, wire diam. 3.7 mm (eurogard) | | | pcs. | | 64.000 | | |  | |  |
| 79 | |  | | Galvanized posts 50\*50\*4 H=2,50 m | | | pcs. | | 63.000 | | |  | |  |
| 80 | |  | | Post caps | | | pcs. | | 63.000 | | |  | |  |
| 81 | |  | | Painted fastener | | | pcs. | | 126.000 | | |  | |  |
|  | |  | |  | | |  |  | | |  | | |  |
|  | |  | | **Total Euro Fence installation**  **Including wages** | | |  |  | | |  | | |  |
|  | |  | | **1.5.2. Metal fence installation** | | |  | |  | | |  | |  |
| 82 | | TsC03B2 | | Mechanical digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in clayish grounds dipped with water, and unloading in the storage, soil category II. | | | 100 m3 | | 0.170 | | |  | |  |
| 83 | | TsA20B | | Manual digging of soil, slopes, excavator or scraper excavated embankments, to complete digging the slope, in medium-hard soil | | | m3 | | 4.250 | | |  | |  |
| 84 | | CA03C | | Concrete poured in foundation, basement, support walls and walls under zero level, prepared with the concrete plant and pouring with classical means of reinforced concrete Class C 20/25 | | | m3 | | 14.540 | | |  | |  |
| 85 | | CC01B1 | | Reinforced concrete PC 52 steel fittings shaped in construction shops, with bars over 8 mm diameter welded mesh | | | kg | | 125.000 | | |  | |  |
| 86 | | CB03E | | Formwork of reusable panels with 15 mm plywood for pouring concrete into slabs and beams in buildings up to and including 20 m in height, except for supports | | | m2 | | 115.560 | | |  | |  |
| 87 | | CO07A | | Steel metal fencing form profiling steel, ordinary model h=2.5 m | | | kg | | 515.520 | | |  | |  |
| 88 | | CO07A | | Steel metal fencing form profiling steel, ordinary model horisontal elements L=2.44 m | | | kg | | 824.500 | | |  | |  |
| 89 | | CO07A | | Steel metal fencing form profiling steel, ordinary model vertical elements L=1.25 m | | | kg | | 334.500 | | |  | |  |
| 90 | | CO07A | | Steel metal fencing form profiling steel, ordinary model pillar for the gate h=2.5 m | | | kg | | 87.980 | | |  | |  |
| 91 | | CO07A | | Steel metal fencing form profiling steel, ordinary model horisontal elements for the gate | | | kg | | 221.280 | | |  | |  |
| 92 | | CO07A | | Steel metal fencing form profiling steel, ordinary model vertical elements L=1.25 m | | | kg | | 33.200 | | |  | |  |
| 93 | | CA03C | | Concrete poured in foundation, basement, support walls and walls under zero level, prepared with the concrete plant and pouring with classical means of reinforced concrete Class C 8/10 under the foundation | | | m3 | | 0.600 | | |  | |  |
| 94 | | CA03C | | Concrete poured in foundation, basement, support walls and walls under zero level, prepared with the concrete plant and pouring with classical means of reinforced concrete Class C 20/25 | | | m3 | | 4.320 | | |  | |  |
| 95 | | CC01B1 | | Reinforced concrete PC 52 steel fittings shaped in construction shops, with bar diameter of 8 mm A500 | | | kg | | 55.530 | | |  | |  |
| 96 | | CC01B1 | | Reinforced concrete PC 52 steel fittings shaped in construction shops, with bar diameter of 6 mm A240 | | | kg | | 31.080 | | |  | |  |
| 97 | | CC01B1 | | Reinforced concrete PC 52 steel fittings shaped in construction shops, with bar diameter of 18 mm A500 | | | kg | | 23.980 | | |  | |  |
| 98 | | CL17A | | Diverse metallic confections, mounted apparently: for railings and panels metal plate | | | kg | | 21.000 | | |  | |  |
|  | |  | |  | | |  |  | | |  | | |  |
|  | |  | | **Total Metal fence installation**  **Including wages** | | |  |  | | |  | | |  |
|  | |  | |  | | |  |  | | |  | | |  |
|  | |  | | **Total Installation of fences**  **Including wages** | | |  |  | | |  | | |  |
|  | |  | | **1.6. Placement of traffic elements and organization of road safety** | | |  | |  | | |  | |  |
| 99 | | DF18A | | Planing the pillars for industrially-manufactured road traffic signs (CKM2.30) concrete C16/20 0.076 m3/unit | | | pcs. | | 6.000 | | |  | |  |
| 100 | | DF19A | | Installation of new road signs on new triangular posts, size 700 mm (B1) | | | pcs. | | 2.000 | | |  | |  |
| 101 | | DF19A | | Installation of new road signs on new square-shaped posts, size 650x650 mm (G2) | | | pcs. | | 8.000 | | |  | |  |
| 102 | | DF17A | | Longitudinal, transverse and other markings made mechanically, with paint, on the road surface (white color) | | | m2 | | 164.500 | | |  | |  |
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|  | |  | | **Total Placement of traffic elements and organization of road safety**  **Including wages** | | |  |  | | |  | | |  |
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|  | |  | | **Total Road construction**  **Including wages** | | |  |  | | |  | | |  |
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|  |  | |  | | |  | |  | | |  | |  | |
|  | |  | | Total | | | MDL | | |  |  | | |  |
|  | |  | | Social and health insurance | | | 24.00% | | |  |  | | |  |
|  | |  | | Direct costs | | | 100.00 + | | |  |  | | |  |
|  | |  | | Overhead costs | | | % | | |  |  | | |  |
|  | |  | | Total | | | 100.00 + | | |  |  | | |  |
|  | |  | | Estimate profit | | | % | | |  |  | | |  |
|  | |  | | **Total estimates:**  **Including wages** |  | | |  | | |  | |  | |

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| --- | --- |
| Bidder |  |
| (position, signature, name, surname) | |
| Certified Estimating Professional |  |
| (position, signature, name, surname) | |