***“Building the station of voluntary firefighters/rescuers”***

***in Baimaclia village, Cantemir district***

***List of works’ volume***

*Constructions - resistence*

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| --- |
| Price offer value: **USD** |

Date: 03.11.20

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 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. Earthworks** **1.1 Digging**  |  |  |  |  |
| 1 | TsC03E1 | 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, land cat. I | 100 m3 | 2.100 |  |  |
|  2 | TsI51A5 | Transportation of soil with the dumper of 10t at a distance of: 5 km | t | 273.000 |  |  |
|  3 | TsC03A2 | Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in clayish grounds, and unloading in the storage, ground cat I | 100 m3 | 3.700 |  |  |
|  4 | TsI51A1 | Transportation of soil with the dumper of 10 t at a distance of 1 km | t | 629.000 |  |  |
|  |  |  **Total Digging works**  |  | USD  |
|  |  | **1.2 Soil cushion**  |  |  |  |  |
| 5 |  | Sandy clay  | m3 | 226.500 |  |  |
|  6 | TsC03E1 | 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, land cat. I | 100 m3 | 2.265 |  |  |
|  7 | TsI51A5 | Transportation of soil with the dumper of 10t at a distance of: 5 km | t | 385.000 |  |  |
|  8 | TsD32A | Executing the earth pillows on settled grounds through stratified rolling of the soil with the roller  | 100 m3 | 2.480 |  |  |
|  |  | **Total Soil cushion**  |  | USD  |
|  |  | **1.3 Fillings under the flooring**  |  |  |  |  |
| 9 | TsC35A11 | 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 11-20 m  | 100 m3 | 1.650 |  |  |
|  10 | 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 | 165.000 |  |  |
|  11 | TsD05B | Compacting with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil  | 100 m3 | 1.650 |  |  |
|  |  | **Total Fillings under the flooring**  |  | USD  |
|  |  | **1.4 Filling the drums**  |  |  |  |  |
| 12 | TsC35A11 | 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 11-20 m  | 100 m3 | 1.660 |  |  |
|  13 | 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 | 166.000 |  |  |
|  14 | TsD05B | Compacting with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil  | 100 m3 | 1.660 |  |  |
|  15 | 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 (embankment on the perimeter)  | 100 m3 | 0.180 |  |  |
|  16 | TsC22B1 | 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 TSC18B1, ground category II  | 100 m3 | 0.180 |  |  |
|  |  | **Total Filling the drums**  |  | USD  |
|  |  | **Total Earthworks**  |  | USD  |
|  |  | **2. Foundations** **2.1 Insulated foundations Fml (9 pieces)** |  |  |  |  |
| 17 | CB03A | Reusable formwork panels with pavement of 15 mm for pouring the concrete in bearings, foundations and foundations glass and foundation equipment including support | m2 | 28.100 |  |  |
|  18 | CC01D1 | Concrete steel fittings PC 52 shaped in construction shops, assembled with bars over 8 mm diameter inclusively in insulated foundations  | kg | 214.500 |  |  |
|  19 | CC01C | Concrete steel fittings OB 37 shaped in construction shops, assembled with bars over 8 mm diameter inclusively in insulated foundations  | kg | 38.340 |  |  |
|  20 | CL57A | Mounting and fixing the pieces embedded in monolith reinforced concrete: with weight under 4 kg / Piece M1; Pin 7 M20 l=900 | kg | 79.920 |  |  |
|  21 | CA03B2 | Concrete poured in foundations, basement, support walls, walls under zero level, prepared with the concrete plant on the site and pouring with classical means of simple concrete Class C 7.5  | m3 | 1.800 |  |  |
|  22 | CA03G | Reinforced concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete commodity, poured with classical means, reinforced concrete class C15  | m3 | 5.400 |  |  |
|  |  | **Total Insulated foundations** |  | USD  |
|  |  | **2.2. Foundation beams**  |  |  |  |  |
| 23 | CB03B | Formwork of reusable panels, with plywood of 15mm for pouring concrete in elevations, straight walls up to 6 m high inclusively, supporters being included | m2 | 75.000 |  |  |
|  24 | CC01E | Concrete steel fittings OB 37 shaped in construction shops, assembled with bars up to 8 mm diameter inclusively in continuous and radiation foundations  | kg | 169.660 |  |  |
|  25 | CC01F1 | Concrete steel fittings PC 52 shaped in construction shops, assembled with bars over 8 mm diameter inclusively in continuous and radiation foundations  | kg | 394.440 |  |  |
|  26 | CA03B2 | Concrete poured in foundations, basement, support walls, walls under zero level, prepared with the concrete plant on the site and pouring with classical means of simple concrete Class C 7.5  | m3 | 1.800 |  |  |
|  27 | CA03G | Reinforced concrete poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete commodity according to art. CA01, poured with classical means, reinforced concrete class C15  | m3 | 14.400 |  |  |
|  |  | **Total. Foundation beams**  |  | USD  |
|  |  | **Total Foundations** |  | USD  |
|  |  | **3. Metallic carcass**  |  |  |  |  |
| 28 | RpCU05C1 | Executing the perforation for the pipes or ties in the walls or slabs of stone or reinforced concrete up to 15 cm thickness, for performing the perforation in a mechanized way | pcs | 44.000 |  |  |
|  29 | CK35B | Metal dowels fixed in reinforced concrete walls / Anchor 16x120 (diam. of bolt 12 mm, diam. of metal dowel ф16, length of anchor = 120 mm) Item no. 074018 trademark "ICB" or analogous | pcs | 44.000 |  |  |
|  30 | RpCU07C | Caulking the holes in the plates with cement-lime mortar, after installations  | pcs | 44.000 |  |  |
|  31 | CL01A | Ready-made steel pillars, delivered fully assembled, mounted at heights up to 35 m, having up to 1t inclusively | t | 1.451 |  |  |
|  32 | CL04D | Ready-made steel beams with full squares, delivered in sections, assembled through welding, mounted at heights up to 35 m, having up to 1t inclusively  | t | 1.598 |  |  |
|  33 | CL10D | Bracings supplied in ready-made subset, for heights of up to 35 m, weighing between 0.151-1,500 tons, assembled by welding / Vertical bracings on pillars  | t | 0.326 |  |  |
|  34 | CL10D | Bracings supplied in ready-made subset, for heights of up to 35 m, weighing between 0.151-1,500 tons, assembled by welding / Bracings on the roof  | t | 1.570 |  |  |
|  35 | CL13B | Metallic blades from cold-made profiles of steel strip, ready-made , mounted on metallic beams, in constructions with the ridge height up to 10m, having the weight per piece between 0.1-0.2 t inclusively / roof blades  | t | 1.979 |  |  |
|  36 | CL13A | Metallic blades from cold-made profiles of steel strip, ready-made , mounted on metallic beams, in constructions with the ridge height up to 10m, having the weight per piece up to 0.1 t inclusively / wall blades  | t | 1.223 |  |  |
|  37 | IzD10C | Anticorrosive painting with the manual brush of the metallic constructions with one layer of anti-corrosive primer GF-21 and two layers of enamel PF-115  | t | 8.149 |  |  |
|  |  | **Total Metallic carcase**  |  | USD  |
|  |  | **Total**  |  | USD  |
|  |  | *Total Direct costs* |  USD  |  |
|  |  | *Social and health fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |   |  |
|  |  | *Overhead costs* | % |  |
|  |  | *Total* |   |  |
|  |  | *Estimate benefit* | % |  |
|  |  | **Total**  |  USD  |  |
|  |  | ***Total 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

***List of works’ volume***

*Internal water supply and sewerage networks*

|  |
| --- |
| Price offer value: **USD** |

Date: 03.11.20

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 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. **Technical-sanitary works**

**1.1. Aqueduct A1**  |  |  |  |  |
| 1 | SA22B | Plastic pipe joined by electro-fusion welding, in distribution pipes in dwelling and social-cultural buildings, having the diameter of 32 mm / Polyethylene pipe SDR17; PN10; ф(ext) 32mm; ф(int) 25mm | m | 15.000 |  |  |
|  2 | SA20B | Plastic pipe joined by electro-fusion welding, in pipes ensuring the connection with sanitary objects, in dwelling and social-cultural buildings, having the diameter of 25 mm / Polyethylene pipe SDR17; PN10; ф(ext) 25mm; ф(int) 20mm | m | 18.000 |  |  |
|  3 | SA20A | Plastic pipe joined by electro-fusion welding, in pipes ensuring the connection with sanitary objects, in dwelling and social-cultural buildings, having the diameter of 20 mm / Polyethylene pipe SDR17; PN10; ф(ext) 20mm; ф(int) 15mm | m | 25.000 |  |  |
|  4 | SF01C | Performing the sealing pressure test for the installation of hot or cold water, executed on the hard-type polyvinyl chloride pipes, having the diameter of 16-110 mm | m | 58.000 |  |  |
|  5 | SF02C | Operational test for cold water installation performed with the pipe from hard-type polyvinyl chloride or plastic, having the diameter of 16-110 mm | 10 m | 5.800 |  |  |
|  6 | SF05C | Washing up the hot and cold water installation, executed from plastic pipes, with the diameter of 20-75 mm | m | 58.000 |  |  |
|  7 | RpIF09B | Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and width from D=12x9 to D=54x9 mm / Heat insulating hose ф32mm | m | 15.000 |  |  |
|  8 | RpIF09B | Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and width from D=12x9 to D=54x9 mm / Heat insulating hose ф25mm | m | 18.000 |  |  |
|  9 | RpIF09B | Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and width from D=12x9 to D=54x9 mm / Heat insulating hose ф20mm | m | 28.000 |  |  |
|  10 | SD19B | Taps with retainer with threaded sleeves, having the diameter of 1" / Bronze valve tap ф25mm | pcs | 1.000 |  |  |
|  11 | SD19A | Taps with retainer with threaded sleeves, having the diameter of 1/2" - 3/4” / Bronze valve tap ф20mm  | pcs | 3.000 |  |  |
|  12 | SD19A | Taps with retainer with threaded sleeves, having the diameter of 1/2" - 3/4” / Bronze valve tap ф15mm  | pcs | 3.000 |  |  |
|  13 | RpSD20A | Mounting the control valve, corner or plain type, assembled before the fittings at the sanitary objects, having the diameter 15mm  | pcs | 7.000 |  |  |
|  14 | Market price  | Bend with fixed element 20 x 1/2”  | pcs | 12.000 |  |  |
|  15 | SB30A | Supporters to support the tubes and the joining elements for sewerage, with the weight up to 2 kg  | kg | 5.000 |  |  |
|  |  | **Total Aqueduct A1** |  | USD  |
|  |  | **1.2. Sewerage**  |  |  |  |  |
| 16 | SB08E | Plastic sewer pipe, combined with rubber case, surface-mounted or buried under the floor, having a diameter of 110 mm | m | 25.000 |  |  |
|  17 | SB08C | Plastic sewer pipe , combined with rubber case, surface-mounted or buried under the floor, having a diameter of 50 mm | m | 11.000 |  |  |
|  18 | SF04B | Performing the leak test and operation of sewerage pipes made of cast iron pipes for drain, polyvinyl chloride and non-plasticized tubes of light type or plastic, the iron pipe having a diameter over 100 mm  | 10 m | 2.500 |  |  |
|  19 | SF04A | Performing the leak test and operation of sewerage pipes made of cast iron pipes for drain, polyvinyl chloride and non-plasticized tubes of light type or plastic, the iron pipe having a diameter up to 100 mm inclusively  | 10 m | 1.100 |  |  |
|  20 | SA37I | Bracelet for fixing the pipes for water and gas supply, from steel or PVC, flush mounted through ducts having the diameter of 4" / Metal clamp with rubber and dowel (set) dn110 | pcs | 9.000 |  |  |
|  21 | SA37F | Bracelet for fixing the pipes for water and gas supply, from steel or PVC, flush mounted through ducts having the diameter of 2" / Metal clamp with rubber and dowel (set) dn 50  | pcs | 5.000 |  |  |
|  22 | SB09E | The linking piece from plastic for sewerage, combined with rubber case, having a diameter of 110 mm / Cleaning piece d.110 mm | pcs | 1.000 |  |  |
|  23 | SB09E | The linking piece from plastic for sewerage, combined with rubber case, having a diameter of 110 mm / Revision d.100 mm | pcs | 1.000 |  |  |
|  24 | SB09C | The connecting piece from plastic for sewerage, combined with rubber case, having a diameter of 50 mm / Airing clack valve d.50mm  | pcs | 1.000 |  |  |
|  25 | SB09E | The linking piece from plastic for sewerage, combined with rubber case, having a diameter of 110 mm / Airing clack valve d.100mm  | pcs | 1.000 |  |  |
|  26 | SB09E | The connecting piece from plastic for sewerage, combined with rubber case, having a diameter of 110 mm / PVC bend dn 110x90\* | pcs | 4.000 |  |  |
|  27 | SB09E | The connecting piece from plastic for sewerage, combined with rubber case, having a diameter of 110 mm / PVC bend dn 110x45\* | pcs | 1.000 |  |  |
|  28 | SB11C | The connecting piece (double branching) from plastic for sewerage, combined with rubber case, having a diameter of 110 mm / Cross-type PVC branching dn 110/110x90\*  | pcs | 1.000 |  |  |
|  29 | SB11C | The connecting piece (double branching) from plastic for sewerage, combined with rubber case, having a diameter of 110 mm / PVC branching dn 110/110x90\*  | pcs | 1.000 |  |  |
|  30 | SB11C | The connecting piece (double branching) from plastic for sewerage, combined with rubber case, having a diameter of 110 mm / PVC branching dn 110/110x45\*  | pcs | 2.000 |  |  |
|  31 | SB11C | The connecting piece (double branching) from plastic for sewerage, combined with rubber case, having a diameter of 110 mm / PVC branching dn 110/50x45\*  | pcs | 2.000 |  |  |
|  32 | SB09C | The connecting piece from plastic for sewerage, combined with rubber case, having a diameter of 50 mm / PVC bend dn 50x90\* | pcs | 3.000 |  |  |
|  33 | SB09C | The connecting piece from plastic for sewerage, combined with rubber case, having a diameter of 50 mm / PVC bend dn 50x45\* | pcs | 3.000 |  |  |
|  34 | SB10C | The linking piece from plastic (simple branching) for sewerage, combined with rubber case, having a diameter of 50 mm / PVC branching dn 50/50x90\* | pcs | 1.000 |  |  |
|  35 | SB10C | The linking piece from plastic (simple branching) for sewerage, combined with rubber case, having a diameter of 50 mm / PVC branching dn 50/50x45\* | pcs | 1.000 |  |  |
|  36 | SB09E | The linking piece from plastic for sewerage, combined with rubber case, having a diameter of 110 mm / PVC reduction joint dn 110/50 | pcs | 1.000 |  |  |
|  37 | SB30A | Supporters to support the tubes and the joining elements for sewerage, with the weight up to 2 kg  | kg | 10.000 |  |  |
|  |  |  **Total Sewerage** |  | USD  |
|  |  | **1.3. Sanitary equipment**  |  |  |  |  |
| 38 | SC04C | Sink from sanitary semi-porcelain or porcelain, etc. including for disabled people, with the sewerage pipe of plastic material, mounted on a stand  | pcs | 3.000 |  |  |
|  39 | SD03A | Mixer for the washbasin or sink, regardless of the switch-off model, including for disabled people, with the diameter of 1/2" | pcs | 3.000 |  |  |
|  40 | SC07A1 | The closet reservoir, completely equipped, from sanitary semi-porcelain or porcelain etc. including for disabled people, placed on the floor, with the water reservoir mounted at a certain height or semi-height, with the S-type internal draintrap  | pcs | 2.000 |  |  |
|  41 | SC02A | Shower bath from enameled cast iron, enameled tin, polymetacryl, etc.  | pcs | 1.000 |  |  |
|  42 | SD02A | Mixing battery for the bath, with flexible or fixed shower, irrespective of the closing modality, including for the disabled people, mounted on the brick masonry walls or autoclaved aerated concrete  | pcs | 1.000 |  |  |
|  43 | SC05A | Sink made stainless steel, with a plastic sewer pipe, mounted on a brick masonry wall | pcs | 1.000 |  |  |
|  44 | SD03A | Mixer for the washbasin or sink, regardless of the switch-off model, including for disabled people, with the diameter of 1/2" | pcs | 1.000 |  |  |
|  45 | SB30A | Supporters to support the tubes and the joining elements for sewerage, with the weight up to 2 kg  | kg | 15.000 |  |  |
|  |  | **Total Sanitary equipment** |  | USD  |
|  |  | **Total**  |  | USD  |
|  |  | *Total Direct costs* |  USD  |  |
|  |  | *Social and health fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |   |  |
|  |  | *Overhead costs* | % |  |
|  |  | *Total* |   |  |
|  |  | *Estimate benefit* | % |  |
|  |  | **Total Technical-sanitary works**  |  | USD  |
|  |  | **2. Mounting works**  |  |  |  |  |
| 46 | SE44A | Electrical water heater, having the capacity of 50 liters, mounted on consoles fixed into the wall | pcs | 1.000 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | *Total Direct costs* |  USD  |  |
|  |  | *Social and health fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |   |  |
|  |  | *Overhead costs* | % |  |
|  |  | *Total* |   |  |
|  |  | *Estimate benefit* | % |  |
|  |  |  **Total Mounting works**  |  | USD  |
|  |  | **3. Equipment**  |  |  |  |  |
| 47 | Market price  | Electrical boiler V=50l N=1,8 kW  | pcs | 1.000 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | Procurement and storage costs  | 1.2 % |  |  |  |
|  |  |  **Total Equipment** |  | USD  |
|  |  | **Total (1+2+3)** |  USD  |  |
|  |  | ***Total 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

***List of works’ volume***

*Electricity supply*

|  |
| --- |
| Price offer value: **USD** |

Date: 03.11.20

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 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 | 33-04-008-3 | Suspending with the assistance of the necessary devices the insulated conductors LEA 0.38 kV  | 1 km | 0.060 |  |  |
|  2 | Market price  | Insulated self-support cable СИП 3х35+1х54,6 mm2 | m | 60.000 |  |  |
|  3 | 33-04-016-2 | Transporting the constructions and materials for supporters LEA 0,38-10 kV on the main road: the supporters from reinforced concrete on one single foot  | pcs | 1.000 |  |  |
|  4 | 33-04-003-1 | Mounting the reinforced concrete pylons LEA 0,38, 6-10 kV, with beams without adds, on one single stand  | pcs | 1.000 |  |  |
|  5 | Company’s price  | Reinforced concrete pillar СВ-105-5  | pcs | 1.000 |  |  |
|  6 | Company’s price  | Anchor clamp PA-1500  | pcs | 4.000 |  |  |
|  7 | Company’s price  | Corbel piece CA-1500 | pcs | 5.000 |  |  |
|  8 | Company’s price  | Intermediate suspension set ES 1500E | pcs | 1.000 |  |  |
|  9 | Company’s price  | Strand anchor clamp NC 20  | pcs | 4.000 |  |  |
|  10 | Company’s price  | Stainless steel strand F 207 | m | 4.000 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | *Total Direct costs* |  USD  |  |
|  |  | *Social and health fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |   |  |
|  |  | *Overhead costs* | % |  |
|  |  | *Total* |   |  |
|  |  | *Estimate benefit* | % |  |
|  |  | **Total Construction Works**  |  | USD  |
|   |  | **2. Mounting works** |  |  |  |  |
| 11 | 08-03-525-2 | Package breaker or switcher in metal casing, mounted on the wall or column construction, quantity of the terminals for connection up to 9, power up to 100A (ПРВ-160) | pcs | 1.000 |  |  |
|  12 | 08-03-525-2 | Package breaker or switcher in metal casing, mounted on the wall or column construction, quantity of the terminals for connection up to 9, power up to 100A (ОПН PSB\*/10(A35\*\*) | pcs | 6.000 |  |  |
|  13 | 08-02-396-6 | Metallic channel on walls and ceilings, length 3 m | 100 m | 0.030 |  |  |
|  14 | Market price  | Unperforated metal gutter, galvanized 50x50mm L = 3000mm with gutter cover | m | 3.000 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | *Total Direct costs* |  USD  |  |
|  |  | *Social and health fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |   |  |
|  |  | *Overhead costs* | % |  |
|  |  | *Total* |   |  |
|  |  | *Estimate benefit* | % |  |
|  |  |  **Total Mounting works**  |  | USD  |
|  |  | **3. Equipment**  |  |  |  |  |
| 15 |  | Fuses-switch-disconnection in one set with fuses / pl. vt. =40А ПРВ-160 | pcs | 1 |  |  |
|  16 |  | Surge protection devices ОПН SPB\*/10(A35\*\*)  | pcs | 6 |  |  |
|  |  | **Total** |  | **USD**  |
|  |  | *Storage costs*  | 1.2 % |  |
|  |  |  **Total Equipment** |  | USD  |
|  |  | **Total (1+2+3)** |  USD  |  |
|  |  | ***Total 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

***List of works’ volume***

 *External water supply and wastewater sewerage networks*

|  |
| --- |
| Price offer value: **USD** |

Date: 03.11.20

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 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** **1.1.1. Digging under pipes**  |  |  |  |  |
| 1 | DC04B | Cutting with the machines having diamond disks of the contraction and expansion joints in old concrete roads | m | 9.000 |  |  |
|  2 | DI109 | Mechanized scrapping of the asphalt concrete coating | m3 | 0.630 |  |  |
|  3 | DI118 | Mechanized scrapping of the coating of broken stone  | m3 | 0.945 |  |  |
|  4 | TsA02F | Manual excavation of land in confined spaces , having 1.00m or more in width, made without support, with sloping embankment foundations, channels, basements, drainage ways, stairs, in very cohesive or medium cohesive ground, with a depth up to 1.5 m hard ground | m3 | 37.400 |  |  |
|  5 | TsH92B | Loading soil with stones and boulders in trucks | t | 33.730 |  |  |
|  6 | TsI50A5 | Transporting the ground with the dumper of 5 t at a distance of 5 km | t | 33.730 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | **1.1.2. Digging under wells**  |  |  |  |  |
| 7 | TsA02F | Manual excavation of land in confined spaces , having 1.00m or more in width, made without support, with sloping embankment foundations, channels, basements, drainage ways, stairs, in very cohesive or medium cohesive ground, with a depth up to 1.5 m hard ground | m3 | 18.900 |  |  |
|  8 | TsH92B | Loading soil with stones and boulders in trucks | t | 16.000 |  |  |
|  9 | TsI50A5 | Transporting the ground with the dumper of 5 t at a distance of 5 km | t | 16.000 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | **1.1.3. Filling pipes**  |  |  |  |  |
| 10 | TsC54A | Foundation layer of sand h=10cm | m3 | 3.500 |  |  |
|  11 | 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 | 2.600 |  |  |
|  12 | TsD04D | Compacting with manual knocker of the embankments in horizontal or inclined digs to 1/4, including watering every layer of land separately, with the thickness of 20 cm of cohesive ground  | m3 | 2.600 |  |  |
|  13 | AcF03A | Fillings in the trenches of the pipes for water supply or sewerage, as substrate, protection layer, insulating layer or filtering layer for the drainage tubes, made with sand h=30cm  | m3 | 10.500 |  |  |
|  14 | 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 | 16.600 |  |  |
|  15 | TsD05B | Compacting with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil  | 100 m3 | 0.166 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | **1.1.4. Filling wells**  |  |  |  |  |
| 16 | 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 | 9.900 |  |  |
|  17 | TsD05B | Compacting with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil  | 100 m3 | 0.099 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | **Total Earthworks**  |  | USD  |
|  |  | **1.2. Sewerage wells (CC-1, CC-2)** |  |  |  |  |
| 18 | AcE13A | Executing the manholes from the reinforced concrete pre-manufactured elements, for sewerage, circular (ring-type) with diameter of 1,0 m, in the field without underground water | m3 | 2.900 |  |  |
|  19 | AcE13A1 | Reinforced concrete pre-manufactured elements of the manholes, circular (ring-type) with diameter of 1.0 m, for sewerage, in the field without underground water / КЦД-10- 2p.; КЦП1-10-2 - 2p; КЦ-10-9 - 1p; КЦО-1 - 2p; КЦ-7-3 - 2p | pcs | 4.000 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | **1.3. Aqueduct wells**  |  |  |  |  |
| 20 | AcE10A | 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 without underground water | m3 | 0.750 |  |  |
|  21 | AcE10A1 | Reinforced concrete pre-manufactured elements of the manholes, circular (ring-type) with diameter of 1,0 m, for water supply, in the field without underground water / КЦД-10- 1p; КЦП1-10-2 - 1p; КЦ-10-6 - 1p; КЦ-10-9a - 1p; КЦО-1 - 1p; КЦ-7-3 - 1p | pcs | 1.000 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | **1.4. Pavement restoring**  |  |  |  |  |
| 22 | TsC54C | Foundation layer of gravel  | m3 | 0.950 |  |  |
|  23 | DI107 | Priming the surface of the main layers in order to apply a layer of asphaltic concrete , 0.65 l / m2 | t | 0.002 |  |  |
|  24 | DB19C | Asphalt concrete covering with big aggregates, executed in hot conditions, in thickness of 6.0 cm with manual laying  | m2 | 3.150 |  |  |
|  25 | DI107 | Priming the surface of the main layers in order to apply a layer of asphaltic concrete , 0.25 l / m2 | t | 0.001 |  |  |
|  26 | DB16D | Asphalt concrete covering with small aggregates, executed in hot conditions, in thickness of 4.0 cm with manual laying  | m2 | 3.150 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | **Total Construction Works**  |  | USD  |
|  |  | *Total Direct costs* |  USD  |  |
|  |  | *Social and health fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |   |  |
|  |  | *Overhead costs* | % |  |
|  |  | *Total* |   |  |
|  |  | *Estimate benefit* | % |  |
|  |  | **Total Construction Works**  |  | USD  |
|  |  | **2. Technical-sanitary works** **2.1. Aqueduct**  |  |  |  |  |
| 27 | AcA52A | Polyethylene pipe for water supply, mounted in ditch, with diameter 32 mm / Polyethylene tube PEND PE100 SDR17 Pn10 diam.32mm  | m | 13.000 |  |  |
|  28 | AcF12A | The pressure-test for the polyethylene pipes mounted in channels for the water and sewerage supply, with diameter up to 100 mm | m | 13.000 |  |  |
|  29 | AcF11C | Washing the PVC, cast iron, asbestos-cement, polyethylene, etc. pipes 20-75 mm, for drinking water, after assembling and joining them, before reception  | m | 13.000 |  |  |
|  30 | SE56A | Filter for drinking water, with threaded sleeves to be installed on the pipe, with the diameter 1" - 2” /Water filter d.25mm  | pcs | 1.000 |  |  |
|  31 | SD19B | Taps with retainer with threaded sleeves, having the diameter of 1" / Bronze ball valve ф25mm | pcs | 2.000 |  |  |
|  32 | AcC04A | Mounting the floating dampers on the existing position, used for water intake in IPACH type filters / reversible damper dn 25 mm | pcs | 1.000 |  |  |
|  33 | SD19A | Taps with retainer with threaded sleeves, having the diameter of 1/2" - 3/4” / Emptying ball valve d.15mm FI FI long handle PN25 | pcs | 1.000 |  |  |
|  34 | AcA21A | Joining of PVC pipes with cast iron plug, with flanges of type CS 39-77, having diameter of 63 mm / Connection plug ф63x25 | pcs | 1.000 |  |  |
|  35 | IC44A | Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, the pipe having the diameter 1" -2” / Steel pipe l=300 ф57x3.5  | pcs | 2.000 |  |  |
|  36 | RpAcA37A | Combining the flange of the linking pieces, flanges, including the blind flanges and fittings, with the diameter 50-100 mm / Connecting the pipe d. 32 mm to the existing pipe d. 63mm  | pcs | 1.000 |  |  |
|  37 | AcA07A | Assembling in the ground, outside the building, the PVC pipes of type 4(G) or 3(M), with the diameter of 25-90 mm / Protection tube PE80 diam. 63mm | m | 5.000 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | **19 Sewerage**  |  |  |  |  |
| 38 | AcD18B | Mounting of the PVC pipe for drainage, combined through gluing, outside the buildings, buried at a depth up to 2m, with the diameter 75-125 mm / Sewer tube PVC SN4 dn 110mm  | m | 11.000 |  |  |
|  39 | AcD18C | Mounting of the PVC pipe for drainage, combined through gluing, outside the buildings, buried at a depth up to 2m, with the diameter 140-185 mm / Sewer tube PVC SN4 dn 160mm  | m | 13.000 |  |  |
|  40 | AcD18A | Mounting of the PEND pipe for drainage, combined through gluing, outside the buildings, buried at a depth up to 2m, with the diameter 25-63 mm / PEND tube SDR21 SN6 dn 63mm  | m | 13.000 |  |  |
|  41 | AcF11C | Washing the PVC, cast iron, asbestos-cement, polyethylene, etc. pipes 20-75 mm, for drinking water, after assembling and joining them, before reception  | m | 13.000 |  |  |
|  42 | AcF11D | Washing the PVC, cast iron, asbestos-cement, polyethylene, etc. pipes 80-110 mm, for drinking water, after assembling and joining them, before reception  | m | 11.000 |  |  |
|  43 | AcF11E | Washing the PVC, cast iron, asbestos-cement, polyethylene, etc. pipes 150-225 mm, for drinking water, after assembling and joining them, before reception  | m | 13.000 |  |  |
|  44 | AcF12A | The pressure-test for the polyethylene pipes mounted in channels for the water and sewerage supply, with diameter up to 100 mm | m | 13.000 |  |  |
|  45 | AcF12B | The pressure-test for the polyethylene pipes mounted in channels for the water and sewerage supply, with diameter up to 150 mm | m | 11.000 |  |  |
|  46 | AcF12C | The pressure-test for the polyethylene pipes mounted in channels for the water and sewerage supply, with diameter up to 200 mm | m | 13.000 |  |  |
|  47 | IC44C | Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, the pipe having the diameter 127 x 4 mm ... 178 x 5 mm  | pcs | 2.000 |  |  |
|  48 | AcD18D | Mounting of the PVC pipe for drainage, combined through gluing, outside the buildings, buried at a depth up to 2m, with the diameter 200 mm / Protection tube PE80 dn200mm | m | 9.000 |  |  |
|  49 | AcD18C | Mounting of the PVC pipe of type M-3 for drainage, combined through gluing, outside the buildings, buried at a depth up to 2m, with the diameter 140-185 mm / Protection tube PE80 dn160mm  | m | 13.000 |  |  |
|  50 | AcB01A | Assembling the fitting with manual or mechanic triggering (valves, taps, faucets) on the water supply or sewerage pipes, with the diameter 50-100 mm / cast iron strand dn 50mm  | pcs | 2.000 |  |  |
|  51 | AcB01A | Assembling the fitting with manual or mechanic triggering (valves, taps, faucets) on the water supply or sewerage pipes, with the diameter 50 - 100 mm / Reversible faucet dn 50mm  | pcs | 1.000 |  |  |
|  52 | AcD20B | Manufacturing and assembling fittings for ditches, executed on the internal part of the ditch, with OB-37 manufactured on the site, having H of discharge of 1.8 - 4 m and coverage of 1-5 m  | kg | 42.780 |  |  |
|  53 | AcD19B | Manufacturing and assembling the formworks for simple or reinforced concrete poured in ditches, executed through the internal part of the ditch, having H of discharge of 1.8 - 4 m and coverage of 1-5 m  | m2 | 1.800 |  |  |
|  54 | AcD22B | Preparing and pouring the concrete at the foundation of the ditches, through internal part, with H 1.8-4 m and coverage 1-5 m | m3 | 1.000 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | **Total Technical-sanitary works**  |  | USD  |
|  |  | Total |  |  |  |  |
|  |  | *Total Direct costs* |  USD  |  |
|  |  | *Social and health fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |   |  |
|  |  | *Overhead costs* | % |  |
|  |  | *Total* |   |  |
|  |  | *Estimate benefit* | % |  |
|  |  | **Total Technical-sanitary works**  |  | USD  |
|  |  | **3. Mounting works****3.1. Aqueduct**  |  |  |  |  |
| 55 | AcB04A | Installation of the water meter of the berried concession tap, on the existing position on steel connections, having a diameter of 15 mm  | pcs | 1.000 |  |  |
|  56 | IA18B | Refined fittings for the central heating boilers: hydrometer or manometer with control tap / Technical Manometer Py=10 кгс/см, С.1 1Б 100 | pcs | 1.000 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | **3.2. Sewerage**  |  |  |  |  |
| 57 | IA30A | Liquid fuel storage tank, cylindrical in shape, mounted above ground, semi-buried or underground / Hydrocarbon separator | pcs | 1.000 |  |  |
|  58 | IA30A | Liquid fuel storage tank, cylindrical in shape, mounted above ground, semi-buried or underground / Septic tank  | pcs | 1.000 |  |  |
|  59 | AcC05A | Mounting on the existing stand the obsolete water pumps, with horizontal axis, with the diameter of the suction inlet of 2"-4” / Drainage pump  | pcs | 1.000 |  |  |
|  |  | **Total**  |  | USD  |
|  |  |  **Total Mounting works**  |  | USD  |
|  |  | Total |  |  |  |  |
|  |  | *Total Direct costs* |  USD  |  |
|  |  | *Social and health fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |   |  |
|  |  | *Overhead costs* | % |  |
|  |  | *Total* |   |  |
|  |  | *Estimate benefit* | % |  |
|  |  |  **Total Mounting works**  |  | USD  |
|  |  | **4. Equipment** **4.1 Aqueduct**  |  |  |  |  |
| 60 |  | Cold water meter d.15mm R160  | pcs | 1.000 |  |  |
|  61 |  | Technical manometer Py=10 кгс/см, С.1 1Б 100 | pcs | 1.000 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | **4.2 Sewerage**  |  |  |  |  |
| 61 |  | Hydrocarbon separator q=0,5 l/sec  | pcs | 1.000 |  |  |
|  63 |  | Septic tank 3000 l  | pcs | 1.000 |  |  |
| 64 |  | Drainage pump G=1.5m3/h; H=10,0m; N=0.55 kwt (Wilo-Drain TM-32 or analogous) | pcs | 1.000 |  |  |
| 65 |  | Hose dn 50mm  | m | 20.000 |  |  |
|  |  | **Total**  |  | USD  |
|  |  |  **Total Equipment** |  | USD  |
|  |  | *Procurement and storage costs*  | 1.2 % |  |
|  |  |  **Total Equipment** |  | USD  |
|  |  | **Total (1+2+3+4)** |  USD  |  |
|  |  | ***Total 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’ volume***

*Land development works*

|  |
| --- |
| Price offer value: **USD** |

Date: 03.11.20

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 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. Earthworks**  |  |  |  |  |
| 1 | TsC01A |  Mechanical scarification of the land, with bulldozer on tracks (Scarifier) 81-180 hp on a depth of 30 cm, land cat. 3. | 100 m2 | 8.900 |  |  |
|  2 | TsC03E1 | 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, land cat. I | 100 m3 | 1.520 |  |  |
|  3 | TsI51A1 | Transportation of soil with the dumper of 10t at a distance of: 1 km /storage for subsequent use  | t | 213.000 |  |  |
|  4 | TsC03E1 | 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 / including executing the bed  | 100 m3 | 1.910 |  |  |
|  5 | TsI51A5 | Transportation of soil with the dumper of 10t at a distance of: 5 km | t | 248.300 |  |  |
|  6 | 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 / rehabilitation layer  | 100 m3 | 1.520 |  |  |
|  7 | TsC03E1 | 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, land cat. I | 100 m3 | 0.230 |  |  |
|  8 | TsI51A5 | Transportation of soil with the dumper of 10t at a distance of: 5 km | t | 39.100 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | **2. Pavement type 1**  |  |  |  |  |
| 9 | TsD05B | Compacting with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil  | 100 m3 | 0.390 |  |  |
|  10 | DA18B | Foundation layer from optimal mixture filler, executed with mechanic laying  | m3 | 19.500 |  |  |
|  11 | TsC54A | Foundation layer of black sand | m3 | 3.900 |  |  |
|  12 | DC05B | Concrete pavement with cement on roads, made in one single layer, with thickness of 18 cm / Cement-concrete B25, F-200, W-6 | m2 | 130.000 |  |  |
|  13 | DC04B | Cutting with the machines having diamond disks of the contraction and expansion joints in old concrete roads | m | 27.000 |  |  |
|  14 | RpCE18B | Sealing the dilatation sealants on terrace, flooring, walls, and reinforced concrete casing, through partial filling in of the empty spaces, towards internal and external parts, with rubber hose 30mm glued with bitumen putty on wooden boards treated with bitumen putty  | m | 18.800 |  |  |
|  15 | RpCE18B | Sealing the dilatation sealants on terrace, flooring, walls, and reinforced concrete casing, through partial filling in of the empty spaces, towards internal and external parts, with rubber round profile 5mm glued with bitumen putty  | m | 33.900 |  |  |
|  16 | RpCE33A | Filling the joints between the sidewalk and the base of the building, with type D bitumen | m | 52.700 |  |  |
|  17 | DE10C | Pre-manufactured concrete borders, for pavements 20x30 cm, on concrete foundation 30x15 cm / BR 100.30.15 | m | 46.500 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | **3. Pavement type 2**  |  |  |  |  |
| 18 | TsD05B | Compacting with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil  | 100 m3 | 0.220 |  |  |
|  19 | TsC54A | Foundation layer of sand | m3 | 7.200 |  |  |
|  20 | DE17A | Pavement made of precast concrete paving slabs of 4.0 mm laid on a layer of dry cement and sand mixture in the proportion 1: 3, embroidered with dry mixture of cement and sand , 5 cm thick layer  | m2 | 72.000 |  |  |
|  21 | DE10A | Pre-manufactured concrete borders, for pavements 20x25 cm, on concrete foundation 30x15 cm / BR 100.20.8 | m | 86.500 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | **4. Organization**  |  |  |  |  |
| 22 | 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  | pcs | 2.000 |  |  |
|  23 | TsG07B | Removing manually the stubs of hardwood and fir, and transportation of timber to warehouses, outside or within the site area, the transportation being carried out manually, for the stubs or roots of a diameter of 31 ... 50 cm | pcs | 2.000 |  |  |
|  24 | TsH04A | Manual mobilization of the soil, so as to ensure the connection with the vegetal layer, levelling and finishing the areas after the soil mobilization, middle ground, depth of 10 cm  | m2 | 482.000 |  |  |
|  25 | TsH05D | Uniform spread of the vegetal ground layer, on horizontal areas or fields with a slope of 20%, preserving the structure, in layers of 30 cm thickness  | m2 | 482.000 |  |  |
|  26 | TsH09A | Seeding the lawn on horizontal areas and fields with a slope under 30%  | 100 m2 | 4.820 |  |  |
|  27 | TsH12A | Watering the areas with the hose from the hydrants  | 100 m2 | 4.820 |  |  |
|  |  | **Total**  |  | USD  |
|  |  | **Total Organization** |  | USD  |
|  |  | *Total Direct costs* |  USD  |  |
|  |  | *Social and health fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |   |  |
|  |  | *Overhead costs* | % |  |
|  |  | *Total* |   |  |
|  |  | *Estimate benefit* | % |  |
|  |  | **Total**  |  |  |
|  |  | **Total (1+2+3+4)** |  USD  |  |
|  |  | ***Total 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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