**LIST WITH QUANTITIES OF WORKS**

**FOR PRICE QUOTATION**

**1. Name of the beneficiaries: Mayoralty of Ungheni municipality, IDOMUS COMPANY SRL**

**2. The organizer of the procurement procedure: UNDP Moldova/UE4Moldova Program: Focal Regions**

**3. The object of the procurement:** **Construction of the technological center of innovation and production - IloT Pro Center, Ungheni municipality, Națională street**

|  |  |
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| **Estimates – offer 2-1-1. Earthworks Monolithic reinforced concrete structures (RCS)** |  |

**Bid currency: USD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Symbol of the norm and resource code | Works and costs | M.U. | Quantity as per project data | Contractor’s estimate value, USD | |
| Per unit of measure  ————  incl. salary | Total  —————  including wages |

| 1 | | 2 | | 3 | | | 4 | | 5 | | | 6 | | 7 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **1. Earthworks** | | |  | |  | | |  | |  |
| 1 | | 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 | | 3.840 | | |  | |  |
| 2 | | TsA20B | | Manual excavation, on slopes, in excavated pits, with excavator or grader, to complete the excavation along the slope profile, in soil of medium cohesion | | | m3 | | 8.000 | | |  | |  |
| 3 | | 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 | | 0.080 | | |  | |  |
| 4 | | TsI51A10 | | Transporting soil by 10 t dump truck at a distance of 10 km | | | t | | 666.400 | | |  | |  |
| 5 | | TsC50B | | Repair and maintenance of natural roads used for soil transportation, for every 0.5 km, category II soil | | | 100 m3 | | 3.920 | | |  | |  |
| 6 | | TsC51B | | Unloading of soil in the storage yard, category II soil | | | 100 m3 | | 3.920 | | |  | |  |
| 7 | | 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 | | 2.550 | | |  | |  |
| 8 | | TsI51A10 | | Transporting soil by 10 t dump truck at a distance of 10 km | | | t | | 420.750 | | |  | |  |
| 9 | | TsC50B | | Repair and maintenance of natural roads used for soil transportation, for every 0.5 km, category II soil | | | 100 m3 | | 2.550 | | |  | |  |
| 10 | | TsD02A1 | | Spreading of loose soil of category I or II, performed by a 65-80 hp crawler bulldozer, in layers 15-20 cm thick. | | | 100 m3 | | 2.040 | | |  | |  |
| 11 | | TsD05A | | Mechanical compaction with vibratory tamper (150-200 kg), in successive layers of 20-30 cm thickness, excluding the watering of each layer, backfill of non-cohesive soil | | | 100 m3 | | 2.040 | | |  | |  |
| 12 | | TsD01B | | Spreading loose soil with a shovel in uniform layers 10-30 cm thick to a distance of up to 3 m from heaps, including breaking up clods, in medium cohesion soil | | | m3 | | 51.000 | | |  | |  |
|  | |  | | **Total Earthworks**  **Including wages** | | | $  $ |  | | |  | | |  |
|  | |  | | **2. Foundations** | | |  | |  | | |  | |  |
| 13 | | CA02C | | Plain concrete poured into equalisers, slopes, trenches at heights up to and including 35 m, prepared with a concrete mixer as per norm CA01 or ready-mixed concrete, poured by conventional means | | | m3 | | 14.500 | | |  | |  |
| 14 | | CA03K | | Plain concrete poured into foundations, plinths, retaining walls, walls below ground level, prepared with a concrete mixer or ready-mixed in accordance with CA01 norm, and poured with a pump, vertically (in depth) up to and including 10 m and horizontally up to and including 15 m, concrete class C20/25. | | | m3 | | 41.000 | | |  | |  |
| 15 | | CB02A | | Formwork from reusable panels made of short and shortened softwood planks for pouring concrete into stem walls, pocket footings and foundation for equipment, including supports | | | m2 | | 155.800 | | |  | |  |
| 16 | | CC01F1 | | PC 52 concrete steel rebars, manufactured on site and installed, with bar diameter greater than and including 8 mm, for continuous foundations and levelling | | | kg | | 864.000 | | |  | |  |
| 17 | | CA04K | | Concrete poured into columns, prepared with a concrete mixing plant or ready-mix concrete, as per norm CA01, and poured by concrete pump, concrete class C20/25 | | | m3 | | 3.500 | | |  | |  |
| 18 | | CB02D | | Formwork from reusable panels made of short and shortened softwood planks for pouring concrete into columns and frames, excluding supports, at heights up to and including 20 m, | | | m2 | | 28.120 | | |  | |  |
| 19 | | CC02K | | OB 37 concrete steel rebars, manufactured on site, with bar diameter up to and including 8 mm, and installed in beams and columns, at heights up to and including 35 m, excluding structures made with sliding formwork | | | kg | | 98.000 | | |  | |  |
| 20 | | CC02L2 | | PC 52 concrete steel rebars, manufactured on site, with a bar diameter of more than 8 mm, and installed in beams and columns, at heights up to and including 35 m, excluding structures made with sliding formwork | | | kg | | 648.000 | | |  | |  |
| 21 | | CA03K | | Plain concrete poured into the plinth wall, prepared with a concrete mixer or ready-mixed in accordance with CA01 norm, and poured with a pump, vertically (in depth) up to and including 10 m and horizontally up to and including 15 m, concrete class С16/20 | | | m3 | | 51.000 | | |  | |  |
| 22 | | CB02A | | Formwork from reusable panels made of short and shortened softwood planks for pouring concrete into stem walls, pocket footings and foundation for equipment, including supports | | | m2 | | 340.000 | | |  | |  |
| 23 | | IzF01B | | Priming of surfaces to apply diffusion coating, vapour barrier, thermal insulation or waterproofing on horizontal, inclined or vertical surfaces, with a suspension of filerized bitumen (subif) in one coat | | | m2 | | 98.560 | | |  | |  |
| 24 | | IzF04F | | Hot-applied waterproofing coating on terraces, roofs, foundations and levelling, in ground without groundwater, including flashing and valleys of current waterproofing, on surfaces with a slope of more than 40% or vertical flat or curved surfaces, with bitumen mastic or rubberised bitumen, applied with a brush or rubber trowel | | | m2 | | 98.560 | | |  | |  |
|  | |  | | **Total Foundations**  **Including wages** | | | **$**  $ |  | | |  | | |  |
|  | |  | | **3. Reinforcing belt level -0.400** | | |  | |  | | |  | |  |
| 25 | | CA04K | | Concrete poured into belts, prepared with a concrete mixing plant or ready-mix concrete, as per norm CA01, and poured by concrete pump, concrete class C20/25 | | | m3 | | 27.000 | | |  | |  |
| 26 | | CB02C | | Formwork from reusable panels made of short and shortened softwood planks for pouring concrete into slabs and beams, excluding supports, at heights up to and including 20 m, | | | m2 | | 145.600 | | |  | |  |
| 27 | | CC02K | | OB 37 concrete steel rebars, manufactured on site, with bar diameter up to and including 8 mm, and installed in beams and columns, up to and including 35 m in height, excluding structures made with sliding formwork | | | kg | | 311.000 | | |  | |  |
| 28 | | CC02L2 | | PC 52 concrete steel rebars, manufactured on site, with a bar diameter of more than 8 mm, and installed in beams and columns, at heights up to and including 35 m, excluding structures made with sliding formwork | | | kg | | 427.000 | | |  | |  |
|  | |  | | **Total Reinforcing belt level -0.400**  **Including wages** | | | $  $ |  | | |  | | |  |
|  | |  | | **4. Reinforced concrete base under the floor – level 0.000** | | |  | |  | | |  | |  |
| 29 | | CA04K | | Concrete poured into slabs, prepared with a concrete mixing plant or ready-mix concrete, as per norm CA01, and poured by concrete pump, concrete class C20/25 | | | m3 | | 32.000 | | |  | |  |
| 30 | | CB02C | | Formwork from reusable panels made of short and shortened softwood planks for pouring concrete into slabs and beams, excluding supports, at heights up to and including 20 m | | | m2 | | 76.800 | | |  | |  |
| 31 | | CC02M2 | | PC 52 concrete steel rebars, manufactured on site and installed, with bar diameter up to and including 8 mm, at heights up to and including 35 m, excluding structures made with sliding formwork | | | kg | | 1 383,000 | | |  | |  |
|  | |  | | **Total Reinforced concrete base under the floor – level 0.000**  **Including wages** | | | $  $ |  | | |  | | |  |
|  | |  | | **5. Columns level -0.100** | | |  | |  | | |  | |  |
| 32 | | CA04K | | Concrete poured into columns, prepared with a concrete mixing plant or ready-mix concrete, as per norm CA01, and poured by concrete pump, concrete class C20/25 | | | m3 | | 12.500 | | |  | |  |
| 33 | | CB02D | | Formwork from reusable panels made of short and shortened softwood planks for pouring concrete into columns and frames, excluding supports, at heights up to and including 20 m | | | m2 | | 100.600 | | |  | |  |
| 34 | | CC02K | | OB 37 concrete steel rebars, manufactured on site, with bar diameter up to and including 8 mm, and installed in beams and columns, at heights up to and including 35 m, excluding structures made with sliding formwork | | | kg | | 223.000 | | |  | |  |
| 35 | | CC02L2 | | PC 52 concrete steel rebars, manufactured on site, with a bar diameter of more than 8 mm, and installed in beams and columns, at heights up to and including 35 m, excluding structures made with sliding formwork | | | kg | | 864.000 | | |  | |  |
| 36 | | CL57B | | Mounting and fixing of embedded parts in monolithic reinforced concrete: weighing less than 4 kg | | | kg | | 214.920 | | |  | |  |
| 37 | | IzD01A | | Removal of old paint with a scraper and wire brush from metal products made of profiles thicker than 12 mm (solid core beams, roller tracks) | | | t | | 0.215 | | |  | |  |
| 38 | | IzD03A | | Painting of metalworks and metal structures with a coat of red lead paint, made of profiles with a thickness between 8 mm and 12 mm inclusively, using a hand brush | | | t | | 0.215 | | |  | |  |
| 39 | | IzD04A | | Painting of metalworks and metal structures with oil paint in 2 coats, made of profiles, with thicknesses between 8 mm and 12 mm inclusively, using a hand brush | | | t | | 0.215 | | |  | |  |
|  | |  | | **Total Columns level -0.100**  **Including wages** | | | $  $ |  | | |  | | |  |
|  | |  | | **6. Floor slab level 3.200** | | |  | |  | | |  | |  |
| 40 | | CA04K | | Concrete poured into slabs, prepared with a concrete mixing plant or ready-mix concrete, as per norm CA01, and poured by concrete pump, concrete class C20/25 | | | m3 | | 76.500 | | |  | |  |
| 41 | | CB02C | | Formwork from reusable panels made of short and shortened softwood planks for pouring concrete into slabs and beams, excluding supports, at heights up to and including 20 m | | | m2 | | 489.000 | | |  | |  |
| 42 | | CB11A | | Supports with extendable formwork props from the stock, used for the assembly of prefabricated panels, prefabricated ceiling slabs, for the casting of partially or totally monolithic floor slabs, with beams, or for monolithic beams, with prefabricated ceiling slabs type PE 3100 R | | | pcs. | | 1 369,000 | | |  | |  |
| 43 | | CC02M | | OB 37 concrete steel rebars, manufactured on site, with bar diameter up to and including 8 mm, and installed in slabs, at heights up to and including 35 m, excluding structures made with sliding formwork | | | kg | | 413.000 | | |  | |  |
| 44 | | CC02N2 | | PC 52 concrete steel rebars, manufactured on site and installed, with a bar diameter of more than 8 mm, and installed in beams and columns, at heights up to and including 35 m, excluding structures made with sliding formwork (АШ rebar d=10, 18 mm) | | | kg | | 7 137,000 | | |  | |  |
|  | |  | | **Total floor slab level 3.200**  **Including wages** | | | $  $ |  | | |  | | |  |
|  | |  | | **7. Columns at the level of 3.200** | | |  | |  | | |  | |  |
| 45 | | CA04K | | Concrete poured into columns, prepared with a concrete mixing plant or ready-mix concrete, as per norm CA01, and poured by concrete pump, concrete class C20/25 | | | m3 | | 9.000 | | |  | |  |
| 46 | | CB02D | | Formwork from reusable panels made of short and shortened softwood planks for pouring concrete into columns and frames, excluding supports, at heights up to and including 20 m | | | m2 | | 75.600 | | |  | |  |
| 47 | | CC02K | | OB 37 concrete steel rebars, manufactured on site, with bar diameter up to and including 8 mm, and installed in beams and columns, at heights up to and including 35 m, excluding structures made with sliding formwork | | | kg | | 157.000 | | |  | |  |
| 48 | | CC02L2 | | PC 52 concrete steel rebars, manufactured on site, with a bar diameter of more than 8 mm, and installed in beams and columns, at heights up to and including 35 m, excluding structures made with sliding formwork | | | kg | | 608.000 | | |  | |  |
|  | |  | | **Total Columns at the level of 3.200**  **Including wages** | | | $  $ |  | | |  | | |  |
|  | |  | | **8. Floor slab level 6.500** | | |  | |  | | |  | |  |
| 49 | | CA04K | | Concrete poured into slabs, prepared with a concrete mixing plant or ready-mix concrete, as per norm CA01, and poured by concrete pump, concrete class C20/25 | | | m3 | | 50.500 | | |  | |  |
| 50 | | CB02C | | Formwork from reusable panels made of short and shortened softwood planks for pouring concrete into slabs and beams, excluding supports, at heights up to and including 20 m | | | m2 | | 322.800 | | |  | |  |
| 51 | | CB11A | | Supports with extendable formwork props from the stock, used for the assembly of prefabricated panels, prefabricated ceiling slabs, for the casting of partially or totally monolithic floor slabs, with beams, or for monolithic beams, with prefabricated ceiling slabs type PE 3100 R | | | pcs. | | 904.000 | | |  | |  |
| 52 | | CC02M | | OB 37 concrete steel rebars, manufactured on site, with bar diameter up to and including 8 mm, and installed in slabs, at heights up to and including 35 m, excluding structures made with sliding formwork | | | kg | | 259.000 | | |  | |  |
| 53 | | CC02N2 | | PC 52 concrete steel rebars, manufactured on site and installed, with a bar diameter of more than 8 mm, and installed in beams and columns, at heights up to and including 35 m, excluding structures made with sliding formwork | | | kg | | 4 936,000 | | |  | |  |
|  | |  | | **Total floor slab level 6.500**  **Including wages** | | | $  $ |  | | |  | | |  |
|  | |  | | **9. Columns and belts above the level 6.500** | | |  | |  | | |  | |  |
| 54 | | CA04K | | Concrete poured into columns, beams, prepared with a concrete mixing plant or ready-mix concrete, as per norm CA01, and poured by concrete pump, concrete class C20/25 | | | m3 | | 15.500 | | |  | |  |
| 55 | | CB02D | | Formwork from reusable panels made of short and shortened softwood planks for pouring concrete into columns and frames, excluding supports, at heights up to and including 20 m | | | m2 | | 120.900 | | |  | |  |
| 56 | | CC02K | | OB 37 concrete steel rebars, manufactured on site, with bar diameter up to and including 8 mm, and installed in beams and columns, at heights up to and including 35 m, excluding structures made with sliding formwork | | | kg | | 211.000 | | |  | |  |
| 57 | | CC02L2 | | PC 52 concrete steel rebars, manufactured on site, with a bar diameter of more than 8 mm, and installed in beams and columns, at heights up to and including 35 m, excluding structures made with sliding formwork | | | kg | | 940.000 | | |  | |  |
|  | |  | | **Total Columns and belts above the level 6.500**  **Including wages** | | | $  $ |  | | |  | | |  |
|  | |  | | **10. Interior staircase** | | |  | |  | | |  | |  |
| 58 | | CA04K | | Concrete poured into staircases, prepared with a concrete mixing plant or ready-mix concrete, as per norm CA01, and poured by concrete pump, concrete class C20/25 | | | m3 | | 12.000 | | |  | |  |
| 59 | | CB02C | | Formwork from reusable panels made of short and shortened softwood planks for pouring concrete into slabs and beams, excluding supports, at heights up to and including 20 m | | | m2 | | 100.400 | | |  | |  |
| 60 | | CB11A | | Supports with extendable formwork props from the stock, used for the assembly of prefabricated panels, prefabricated ceiling slabs, for the casting of partially or totally monolithic floor slabs, with beams, or for monolithic beams, with prefabricated ceiling slabs type PE 3100 R | | | pcs. | | 136.000 | | |  | |  |
| 61 | | CC02M | | OB 37 concrete steel rebars, manufactured on site, with bar diameter up to and including 8 mm, and installed in slabs, at heights up to and including 35 m, excluding structures made with sliding formwork | | | kg | | 266.000 | | |  | |  |
| 62 | | CC02N2 | | PC 52 concrete steel rebars, manufactured on site and installed, with a bar diameter of more than 8 mm, and installed in beams and columns, at heights up to and including 35 m, excluding structures made with sliding formwork | | | kg | | 432.000 | | |  | |  |
|  | |  | | **Total Interior staircase**  **Including wages** | | | **$**  **$** |  | | |  | | |  |
|  |  | |  | | |  | |  | | |  | |  | |
|  |  | |  | | |  | |  | | |  | |  | |
|  | |  | | Total | | | $ | | |  |  | | |  |
|  | |  | | Social security fund | | | 24% | | |  |  | | |  |
|  | |  | | Total | | | $ | | |  |  | | |  |
|  | |  | | Transportation of materials | | | % | | |  |  | | |  |
|  | |  | | Semi-finished goods and storage costs | | | % | | |  |  | | |  |
|  | |  | | Total | | | $ | | |  |  | | |  |
|  | |  | | Overhead costs | | | % | | |  |  | | |  |
|  | |  | | Total | | | $ | | |  |  | | |  |
|  | |  | | Profit | | | % | | |  |  | | |  |
|  | |  | | **Total estimates:**  **Including wages** |  | | |  | | |  | |  | |

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| --- | --- |
| Drawn up by: | Certified Estimating Professional |
| (position, signature, name, surname) | |
| Bidder |  |
| (position, signature, name, surname) | |