|  |  |
| --- | --- |
| **Replanning of the shooting range rooms (basement) and renovation of the sports hall with offices (Ground Floor) in the block letter "J" (cadastral no. 0100213.241.04) in the Republic of Moldova, Chisinau municipality, 21 Gh. Asachi Street** | Form No. 1 unfolded |
|  |  |

**Bill of quantities for works No. 2-1-1**

**Construction elements (12/25-J-C)**

prepared in current prices

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| №  crt. | Norm symbol and Resource code | Name of raw material, materials, fuel, energy resources | U.M. | Consumption of labor, materials and mechanisms resources | |
| Per unit of measurement | On the total volume |

| 1 | | | 2 | | 3 | | | 4 | | | 5 | | 6 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1. Wall gaps** | | | | | | | | | | | | | | |
| **1.1. Goal 1 (9 pieces)** | | | | | | | | | | | | | | |
| **1** | | | **RCsB22B** | | **Cutting reinforced concrete slabs or elements, with a thickness of over 15 cm** | | | **m** | | |  | | **90,000** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 2,0000 | | 180,00 | |
|  | | | 7212030022700 | | Welder | | | mh | | | 0,5000 | | 45,00 | |
|  | | | 2881116002700 | | Abrasive disc | | | pcs | | | 0,2000 | | 18,90 | |
|  | | | 4011106202741 | | Electrical energy | | | kw | | | 1,2000 | | 113,40 | |
|  | | | 2735725900970 | | Welding electrodes with D = 3.25 mm | | | kg | | | 0,2000 | | 18,90 | |
|  | | | 3110500002401 | | Welding machine 28-35 Kw | | | hr | | | 0,5000 | | 45,00 | |
| **2** | | | **RpCG29D1** | | **Demolition of masonry walls by mechanical means from burglaries to create gaps in the masonry.** | | | **m3** | | |  | | **6,730** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,4500 | | 3,028 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 1,6900 | | 11,374 | |
|  | | | 4100126202818 | | Water | | | m3 | | | 0,1200 | | 0,808 | |
|  | | | 2922140006702 | | Portable Hoist | | | hr | | | 0,0800 | | 0,538 | |
|  | | | 2912340002509 | | Low pressure mobile air compressor, flow rate 4.0 - 5.9 mc/min | | | hr | | | 0,3200 | | 2,154 | |
|  | | | 2952270002801 | | 10-15 kg demolition hammer | | | hr | | | 0,3200 | | 2,154 | |
| **3** | | | **TrB01A2-5** | | **Transport of materials from group 4 (loading, placing, unloading, placing), with wheelbarrows, over a distance of 50 m** | | | **t** | | |  | | **10,770** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 1,3200 | | 14,216 | |
| **4** | | | **TrI1AA02C3** | | **Loading of materials from group A - heavy, in bulk by throwing - from the ramp or terrain, into category 3 vehicles** | | | **t** | | |  | | **10,770** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 0,4500 | | 4,847 | |
| **5** | | | **TsI50A10** | | **Transporting soil with a 5 t dump truck over a distance of 10 km** | | | **t** | | |  | | **10,770** | |
|  | | | 3410540000006 | | dump truck-5t | | | hr | | | 0,1820 | | 1,96 | |
| **6** | | | **RpCU06F1** | | **Excavation of trenches up to 5 cm deep, in stone or reinforced concrete walls of 5 x 100 cm2, for mechanized execution** | | | **m** | | |  | | **39,000** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,5000 | | 19,50 | |
|  | | | 9310060019922 | | Service worker | | | mh | | | 1,2000 | | 46,80 | |
|  | | | 2952270007609 | | Electric drill | | | hr | | | 0,4000 | | 15,60 | |
| **7** | | | **RpCU05C1** | | **Making penetrations for pipes or ties in walls or slabs made of stone or reinforced concrete up to 15 cm, for mechanized penetrations** | | | **pcs** | | |  | | **160,000** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,0300 | | 4,80 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,2200 | | 35,20 | |
| **8** | | | **RpCU07B** | | **Filling gaps in walls with cement-lime mortar after installations or consolidations** | | | **pcs** | | |  | | **160,000** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,3300 | | 52,80 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,1000 | | 16,00 | |
|  | | | 2651122100402 | | Metallurgical cement with additives M 30 bags S1500 | | | kg | | | 0,3300 | | 52,80 | |
|  | | | 1421102200513 | | Sorted unwashed river and lake sand 0.0-3.0 mm | | | m3 | | | 0,0010 | | 0,16 | |
|  | | | 2652102100713 | | Lime paste | | | m3 | | | 0,0001 | | 0,016 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,0060 | | 0,96 | |
|  | | | 2952270003817 | | 200 L electric mortar mixer | | | hr | | | 0,0100 | | 1,60 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tone force) Portable Hoist | | | hr | | | 0,0150 | | 2,40 | |
| **9** | | | **CK35B** | | **Metal dowels fixed in reinforced concrete walls / M12 bolt L=520mm with nut and washer** | | | **pcs** | | |  | | **70,000** | |
|  | | | 7422010060100 | | Carpenter | | | mh | | | 0,2000 | | 14,00 | |
|  | | | 287413631330045 | | Bolt M12 L=520mm with nut and washer | | | pcs | | | 1,0000 | | 70,00 | |
| **10** | | | **CK35B** | | **Metal dowels fixed in reinforced concrete walls / ⌀ 14 A400 L=250mm** | | | **pcs** | | |  | | **90,000** | |
|  | | | 7422010060100 | | Carpenter | | | mh | | | 0,2000 | | 18,00 | |
|  | | | 28741363133010 | | Dowels ⌀14 A400 L=250mm | | | pcs | | | 1,0000 | | 90,00 | |
| **11** | | | **CL18A** | | **Various metal structures made of rolled profiles, sheet metal, corrugated sheet metal, reinforced steel, pipes for supports or coverings, totally or partially embedded in concrete** | | | **kg** | | |  | | **1 556,000** | |
|  | | | 7214240021810 | | Structural Fitter | | | mh | | | 0,1900 | | 295,64 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0100 | | 15,56 | |
|  | | | 7212030022700 | | Welder | | | mh | | | 0,0100 | | 15,56 | |
|  | | | 2734113803207 | | Soft black wire d = 2 mm | | | kg | | | 0,0100 | | 15,56 | |
|  | | | 2775276309886 | | Metal structures embedded in concrete | | | kg | | | 1,0000 | | 1 556,00 | |
|  | | | 2873155901200 | | Welding electrodes | | | kg | | | 0,0050 | | 7,78 | |
|  | | | 4011106202741 | | Electrical energy | | | kw | | | 0,0080 | | 12,448 | |
|  | | | 1010126200341 | | Forged carbide (Huila) | | | kg | | | 0,0150 | | 23,34 | |
| **12** | | | **IzD10C** | | **Anti-corrosion painting with a mine brush of metal structures with one layer of anti-corrosion primer and two layers of enamel** | | | **t** | | |  | | **1,556** | |
|  | | | 7141020013400 | | Industrial painter | | | mh | | | 7,2800 | | 11,328 | |
|  | | | 24301161000002 | | Email | | | kg | | | 12,0000 | | 18,672 | |
|  | | | 24302261008141 | | Reason ГФ-021 | | | kg | | | 6,0000 | | 9,336 | |
|  | | | 2430226109420 | | Thinner for anticorrosive paints D.006-1 NI 1708-61 A1 | | | kg | | | 0,8400 | | 1,307 | |
|  | | | 2320166200676 | | White spirit | | | kg | | | 3,0000 | | 4,668 | |
|  | | | 1711317306661 | | Cotton swab | | | kg | | | 1,5000 | | 2,334 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Empty 1 (9 pcs)** | | |  | | | | | | |
| **1.2. Empty 2 (2 pcs)** | | | | | | | | | | | | | | |
| **13** | | | **RCsB22B** | | **Cutting reinforced concrete slabs or elements, with a thickness of over 15 cm** | | | **m** | | |  | | **16,800** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 2,0000 | | 33,60 | |
|  | | | 7212030022700 | | Welder | | | mh | | | 0,5000 | | 8,40 | |
|  | | | 2881116002700 | | Abrasive disc | | | pcs | | | 0,2000 | | 3,528 | |
|  | | | 4011106202741 | | Electrical energy | | | kw | | | 1,2000 | | 21,168 | |
|  | | | 2735725900970 | | Welding electrodes with D = 3.25 mm | | | kg | | | 0,2000 | | 3,528 | |
|  | | | 3110500002401 | | Welding machine 28-35 Kw | | | hr | | | 0,5000 | | 8,40 | |
| **14** | | | **RpCG29D1** | | **Demolition by mechanical means of masonry walls from breaches to create gaps in the masonry, for demolition by mechanical means** | | | **m3** | | |  | | **1,340** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,4500 | | 0,603 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 1,6900 | | 2,265 | |
|  | | | 4100126202818 | | What | | | m3 | | | 0,1200 | | 0,161 | |
|  | | | 2922140006702 | | Portable Hoist | | | hr | | | 0,0800 | | 0,107 | |
|  | | | 2912340002509 | | Mobile low pressure air compressor, flow rate 4.0 - 5.9 mc/min | | | hr | | | 0,3200 | | 0,429 | |
|  | | | 2952270002801 | | 10-15 kg demolition hammer | | | hr | | | 0,3200 | | 0,429 | |
| **15** | | | **TrB01A2-5** | | **Transport of materials from group 4 (loading, placing, unloading, placing), with wheelbarrows, over a distance of 50 m** | | | **t** | | |  | | **2,140** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 1,3200 | | 2,825 | |
| **16** | | | **TrI1AA02C3** | | **Loading of materials from group A - heavy, in bulk by throwing - from the ramp or terrain, into category 3 vehicles** | | | **t** | | |  | | **2,140** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 0,4500 | | 0,963 | |
| **17** | | | **TsI50A10** | | **Transporting soil with a 5 t dump truck over a distance of 10 km** | | | **t** | | |  | | **2,140** | |
|  | | | 3410540000006 | | dump truck-5t | | | hr | | | 0,1820 | | 0,389 | |
| **18** | | | **RpCU06F1** | | **Excavation of trenches up to 5 cm deep, in stone or reinforced concrete walls of 5 x 100 cm2, for mechanized execution** | | | **m** | | |  | | **6,400** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,5000 | | 3,20 | |
|  | | | 9310060019922 | | Service worker | | | mh | | | 1,2000 | | 7,68 | |
|  | | | 2952270007609 | | Electric drill | | | hr | | | 0,4000 | | 2,56 | |
| **19** | | | **RpCU05C1** | | **Making penetrations for pipes or ties in walls or slabs made of stone or reinforced concrete up to 15 cm, for mechanized penetrations** | | | **pcs** | | |  | | **32,000** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,0300 | | 0,96 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,2200 | | 7,04 | |
| **20** | | | **RpCU07B** | | **Filling gaps in walls with cement-lime mortar after installations or consolidations** | | | **pcs** | | |  | | **32,000** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,3300 | | 10,56 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,1000 | | 3,20 | |
|  | | | 2651122100402 | | Metallurgical cement with additives M 30 bags S1500 | | | kg | | | 0,3300 | | 10,56 | |
|  | | | 1421102200513 | | Sorted unwashed river and lake sand 0.0-3.0 mm | | | m3 | | | 0,0010 | | 0,032 | |
|  | | | 2652102100713 | | Lime paste | | | m3 | | | 0,0001 | | 0,003 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,0060 | | 0,192 | |
|  | | | 2952270003817 | | 200 L electric mortar mixer | | | hr | | | 0,0100 | | 0,32 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tone force) Portable Hoist | | | hr | | | 0,0150 | | 0,48 | |
| **21** | | | **CK35B** | | **Metal dowels fixed in reinforced concrete walls / M12 bolt L=520mm with nut and washer** | | | **pcs** | | |  | | **14,000** | |
|  | | | 7422010060100 | | Carpenter | | | mh | | | 0,2000 | | 2,80 | |
|  | | | 287413631330045 | | Bolt M12 L=520mm with nut and washer | | | pcs | | | 1,0000 | | 14,00 | |
| **22** | | | **CK35B** | | **Metal dowels fixed in reinforced concrete walls / ⌀14 A400 L=250mm** | | | **pcs** | | |  | | **18,000** | |
|  | | | 7422010060100 | | Carpenter | | | mh | | | 0,2000 | | 3,60 | |
|  | | | 28741363133010 | | Dowels ⌀ 14 A400 L=250mm | | | pcs | | | 1,0000 | | 18,00 | |
| **23** | | | **CL18A** | | **Various metal structures made of rolled profiles, sheet metal, corrugated sheet metal, reinforced steel, pipes for supports or coverings, totally or partially embedded in concrete** | | | **kg** | | |  | | **261,200** | |
|  | | | 7214240021810 | | Structural Fitter | | | mh | | | 0,1900 | | 49,628 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0100 | | 2,612 | |
|  | | | 7212030022700 | | Welder | | | mh | | | 0,0100 | | 2,612 | |
|  | | | 2734113803207 | | Soft black wire d = 2 mm | | | kg | | | 0,0100 | | 2,612 | |
|  | | | 2775276309886 | | Metal structures embedded in concrete | | | kg | | | 1,0000 | | 261,20 | |
|  | | | 2873155901200 | | Welding electrodes | | | kg | | | 0,0050 | | 1,306 | |
|  | | | 4011106202741 | | Electrical energy | | | kw | | | 0,0080 | | 2,09 | |
|  | | | 1010126200341 | | Forged carbide (Huila) | | | kg | | | 0,0150 | | 3,918 | |
| **24** | | | **IzD10C** | | **Anti-corrosion painting with a mine brush of metal structures with one layer of anti-corrosion primer GF-21 or similar and two layers of enamel PF-115 or similar** | | | **t** | | |  | | **0,261** | |
|  | | | 7141020013400 | | Industrial painter | | | mh | | | 7,2800 | | 1,90 | |
|  | | | 24301161000002 | | Email PF-115 | | | kg | | | 12,0000 | | 3,132 | |
|  | | | 24302261008141 | | Reason ГФ-021 | | | kg | | | 6,0000 | | 1,566 | |
|  | | | 2430226109420 | | Thinner for anticorrosive paints D.006-1 NI 1708-61 A1 | | | kg | | | 0,8400 | | 0,219 | |
|  | | | 2320166200676 | | White spirit | | | kg | | | 3,0000 | | 0,783 | |
|  | | | 1711317306661 | | Cotton swab | | | kg | | | 1,5000 | | 0,392 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Empty 2 (2 pcs)** | | |  | | | | | | |
| **1.3. Goal 3 (1 piece)** | | | | | | | | | | | | | | |
| **25** | | | **RCsB22B** | | **Cutting reinforced concrete slabs or elements, with a thickness of over 15 cm** | | | **m** | | |  | | **4,200** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 2,0000 | | 8,40 | |
|  | | | 7212030022700 | | Welder | | | mh | | | 0,5000 | | 2,10 | |
|  | | | 2881116002700 | | Abrasive disc | | | pcs | | | 0,2000 | | 0,882 | |
|  | | | 4011106202741 | | Electrical energy | | | kw | | | 1,2000 | | 5,292 | |
|  | | | 2735725900970 | | Welding electrodes with D = 3.25 mm | | | kg | | | 0,2000 | | 0,882 | |
|  | | | 3110500002401 | | Welding machine 28-35 Kw | | | hr | | | 0,5000 | | 2,10 | |
| **26** | | | **RpCG29D1** | | **Demolition by mechanical means of masonry walls from braces to create gaps in the masonry, for demolition by mechanical means** | | | **m3** | | |  | | **0,170** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,4500 | | 0,076 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 1,6900 | | 0,287 | |
|  | | | 4100126202818 | | What | | | m3 | | | 0,1200 | | 0,02 | |
|  | | | 2922140006702 | | Portable Hoist | | | hr | | | 0,0800 | | 0,014 | |
|  | | | 2912340002509 | | Mobile low pressure air compressor, flow rate 4.0 - 5.9 mc/min | | | hr | | | 0,3200 | | 0,054 | |
|  | | | 2952270002801 | | 10-15 kg demolition hammer | | | hr | | | 0,3200 | | 0,054 | |
| **27** | | | **TrB01A2-5** | | **Transport of materials from group 4 (loading, placing, unloading, placing), with wheelbarrows, over a distance of 50 m** | | | **t** | | |  | | **0,300** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 1,3200 | | 0,396 | |
| **28** | | | **TrI1AA02C3** | | **Loading of materials from group A - heavy, in bulk by throwing - from the ramp or terrain, into category 3 vehicles** | | | **t** | | |  | | **0,300** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 0,4500 | | 0,135 | |
| **29** | | | **TsI50A10** | | **Transporting soil with a 5 t dump truck over a distance of 10 km** | | | **t** | | |  | | **0,300** | |
|  | | | 3410540000006 | | dump truck-5t | | | hr | | | 0,1820 | | 0,055 | |
| **30** | | | **RpCU06F1** | | **Excavation of trenches up to 5 cm deep, in stone or reinforced concrete walls of 5 x 100 cm2, for mechanized execution** | | | **m** | | |  | | **2,000** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,5000 | | 1,00 | |
|  | | | 9310060019922 | | Service worker | | | mh | | | 1,2000 | | 2,40 | |
|  | | | 2952270007609 | | Electric drill | | | hr | | | 0,4000 | | 0,80 | |
| **31** | | | **RpCU05C1** | | **Making penetrations for pipes or ties in walls or slabs made of stone or reinforced concrete up to 15 cm, for mechanized penetrations** | | | **pcs** | | |  | | **10,000** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,0300 | | 0,30 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,2200 | | 2,20 | |
| **32** | | | **RpCU07B** | | **Filling gaps in walls with cement-lime mortar after installations or consolidations** | | | **pcs** | | |  | | **10,000** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,3300 | | 3,30 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,1000 | | 1,00 | |
|  | | | 2651122100402 | | Metallurgical cement with additives M 30 bags S1500 | | | kg | | | 0,3300 | | 3,30 | |
|  | | | 1421102200513 | | Sorted unwashed river and lake sand 0.0-3.0 mm | | | m3 | | | 0,0010 | | 0,01 | |
|  | | | 2652102100713 | | Lime paste | | | m3 | | | 0,0001 | | 0,001 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,0060 | | 0,06 | |
|  | | | 2952270003817 | | 200 L electric mortar mixer | | | hr | | | 0,0100 | | 0,10 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tone force) Portable Hoist | | | hr | | | 0,0150 | | 0,15 | |
| **33** | | | **CK35B** | | **Metal dowels fixed in reinforced concrete walls / M12 bolt L=520mm with nut and washer** | | | **pcs** | | |  | | **4,000** | |
|  | | | 7422010060100 | | Carpenter | | | mh | | | 0,2000 | | 0,80 | |
|  | | | 287413631330045 | | Bolt M12 L=520mm with nut and washer | | | pcs | | | 1,0000 | | 4,00 | |
| **34** | | | **CK35B** | | **Metal dowels fixed in reinforced concrete walls / Ёрш ф14 A400 L=250mm** | | | **pcs** | | |  | | **6,000** | |
|  | | | 7422010060100 | | Carpenter | | | mh | | | 0,2000 | | 1,20 | |
|  | | | 28741363133010 | | Dowels ⌀ 14 A400 L=250mm | | | pcs | | | 1,0000 | | 6,00 | |
| **35** | | | **CL18A** | | **Various metal structures made of rolled profiles, sheet metal, corrugated sheet metal, reinforced steel, pipes for supports or coverings, totally or partially embedded in concrete** | | | **kg** | | |  | | **85,000** | |
|  | | | 7214240021810 | | Structural Fitter | | | mh | | | 0,1900 | | 16,15 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0100 | | 0,85 | |
|  | | | 7212030022700 | | Welder | | | mh | | | 0,0100 | | 0,85 | |
|  | | | 2734113803207 | | Soft black wire d = 2 mm | | | kg | | | 0,0100 | | 0,85 | |
|  | | | 2775276309886 | | Metal structures embedded in concrete | | | kg | | | 1,0000 | | 85,00 | |
|  | | | 2873155901200 | | Welding electrodes | | | kg | | | 0,0050 | | 0,425 | |
|  | | | 4011106202741 | | Electrical energy | | | kw | | | 0,0080 | | 0,68 | |
|  | | | 1010126200341 | | Forged coals (Huila) | | | kg | | | 0,0150 | | 1,275 | |
| **36** | | | **IzD10C** | | **Anti-corrosion painting with a mine brush of metal structures with one layer of anti-corrosion primer GF-21 or similar and two layers of enamel PF-115 or similar** | | | **t** | | |  | | **0,085** | |
|  | | | 7141020013400 | | Industrial painter | | | mh | | | 7,2800 | | 0,619 | |
|  | | | 24301161000002 | | Email PF-115 | | | kg | | | 12,0000 | | 1,02 | |
|  | | | 24302261008141 | | Reason ГФ-021 | | | kg | | | 6,0000 | | 0,51 | |
|  | | | 2430226109420 | | Thinner for anticorrosive paints D.006-1 NI 1708-61 A1 | | | kg | | | 0,8400 | | 0,071 | |
|  | | | 2320166200676 | | White spirit | | | kg | | | 3,0000 | | 0,255 | |
|  | | | 1711317306661 | | Cotton swab | | | kg | | | 1,5000 | | 0,128 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Empty 3 (1 pc)** | | |  | | | | | | |
| **1.4. Goal 4 (1 piece)** | | | | | | | | | | | | | | |
| **37** | | | **RCsB22B** | | **Cutting reinforced concrete slabs or elements, with a thickness of over 15 cm** | | | **m** | | |  | | **14,400** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 2,0000 | | 28,80 | |
|  | | | 7212030022700 | | Welder | | | mh | | | 0,5000 | | 7,20 | |
|  | | | 2881116002700 | | Abrasive disc | | | pcs | | | 0,2000 | | 3,024 | |
|  | | | 4011106202741 | | Electrical energy | | | kw | | | 1,2000 | | 18,144 | |
|  | | | 2735725900970 | | Welding electrodes with D = 3.25 mm | | | kg | | | 0,2000 | | 3,024 | |
|  | | | 3110500002401 | | Welding machine 28-35 Kw | | | hr | | | 0,5000 | | 7,20 | |
| **38** | | | **RpCG29D1** | | **Demolition by mechanical means of masonry walls from braces to create gaps in the masonry, for demolition by mechanical means** | | | **m3** | | |  | | **1,910** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,4500 | | 0,859 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 1,6900 | | 3,228 | |
|  | | | 4100126202818 | | What | | | m3 | | | 0,1200 | | 0,229 | |
|  | | | 2922140006702 | | Portable Hoist | | | hr | | | 0,0800 | | 0,153 | |
|  | | | 2912340002509 | | Mobile low pressure air compressor, flow rate 4.0 - 5.9 mc/min | | | hr | | | 0,3200 | | 0,611 | |
|  | | | 2952270002801 | | 10-15 kg demolition hammer | | | hr | | | 0,3200 | | 0,611 | |
| **39** | | | **TrB01A2-5** | | **Transport of materials from group 4 (loading, placing, unloading, placing), with wheelbarrows, over a distance of 50 m** | | | **t** | | |  | | **3,060** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 1,3200 | | 4,039 | |
| **40** | | | **TrI1AA02C3** | | **Loading of materials from group A - heavy, in bulk by throwing - from the ramp or terrain, into category 3 vehicles** | | | **t** | | |  | | **3,060** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 0,4500 | | 1,377 | |
| **41** | | | **TsI50A10** | | **Transporting soil with a 5 t dump truck over a distance of 10 km** | | | **t** | | |  | | **3,060** | |
|  | | | 3410540000006 | | dump truck-5t | | | hr | | | 0,1820 | | 0,557 | |
| **42** | | | **RpCU06F1** | | **Excavation of trenches up to 5 cm deep, in stone or reinforced concrete walls of 5 x 100 cm2, for mechanized execution** | | | **m** | | |  | | **3,600** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,5000 | | 1,80 | |
|  | | | 9310060019922 | | Service worker | | | mh | | | 1,2000 | | 4,32 | |
|  | | | 2952270007609 | | Electric drill | | | hr | | | 0,4000 | | 1,44 | |
| **43** | | | **RpCU05C1** | | **Making penetrations for pipes or ties in walls or slabs made of stone or reinforced concrete up to 15 cm, for mechanized penetrations** | | | **pcs** | | |  | | **40,000** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,0300 | | 1,20 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,2200 | | 8,80 | |
| **44** | | | **RpCU07B** | | **Filling gaps in walls with cement-lime mortar after installations or consolidations** | | | **pcs** | | |  | | **40,000** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,3300 | | 13,20 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,1000 | | 4,00 | |
|  | | | 2651122100402 | | Metallurgical cement with additives M 30 bags S1500 | | | kg | | | 0,3300 | | 13,20 | |
|  | | | 1421102200513 | | Sorted unwashed river and lake sand 0.0-3.0 mm | | | m3 | | | 0,0010 | | 0,04 | |
|  | | | 2652102100713 | | Lime paste | | | m3 | | | 0,0001 | | 0,004 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,0060 | | 0,24 | |
|  | | | 2952270003817 | | 200 L electric mortar mixer | | | hr | | | 0,0100 | | 0,40 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tone force) Portable Hoist | | | hr | | | 0,0150 | | 0,60 | |
| **45** | | | **CK35B** | | **Metal dowels fixed in reinforced concrete walls / M12 bolt L=520mm with nut and washer** | | | **pcs** | | |  | | **23,000** | |
|  | | | 7422010060100 | | Carpenter | | | mh | | | 0,2000 | | 4,60 | |
|  | | | 287413631330045 | | Bolt M12 L=520mm with nut and washer | | | pcs | | | 1,0000 | | 23,00 | |
| **46** | | | **CK35B** | | **Metal dowels fixed in reinforced concrete walls / Ёрш ф14 A400 L=250mm** | | | **pcs** | | |  | | **17,000** | |
|  | | | 7422010060100 | | Carpenter | | | mh | | | 0,2000 | | 3,40 | |
|  | | | 28741363133010 | | Dowels ⌀ 14 A400 L=250mm | | | pcs | | | 1,0000 | | 17,00 | |
| **47** | | | **CL18A** | | **Various metal structures made of rolled profiles, sheet metal, corrugated sheet metal, reinforced steel, pipes for supports or coverings, totally or partially embedded in concrete** | | | **kg** | | |  | | **298,800** | |
|  | | | 7214240021810 | | Structural Fitter | | | mh | | | 0,1900 | | 56,772 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0100 | | 2,988 | |
|  | | | 7212030022700 | | Welder | | | mh | | | 0,0100 | | 2,988 | |
|  | | | 2734113803207 | | Soft black wire d = 2 mm | | | kg | | | 0,0100 | | 2,988 | |
|  | | | 2775276309886 | | Metal structures embedded in concrete | | | kg | | | 1,0000 | | 298,80 | |
|  | | | 2873155901200 | | Welding electrodes | | | kg | | | 0,0050 | | 1,494 | |
|  | | | 4011106202741 | | Electrical energy | | | kw | | | 0,0080 | | 2,39 | |
|  | | | 1010126200341 | | Forged carbide (Huila) | | | kg | | | 0,0150 | | 4,482 | |
| **48** | | | **IzD10C** | | **Anti-corrosion painting with a mine brush of metal structures with one layer of anti-corrosion primer GF-21 or similar and two layers of enamel PF-115 or similar** | | | **t** | | |  | | **0,299** | |
|  | | | 7141020013400 | | Industrial painter | | | mh | | | 7,2800 | | 2,177 | |
|  | | | 24301161000002 | | Email PF-115 | | | kg | | | 12,0000 | | 3,588 | |
|  | | | 24302261008141 | | Reason ГФ-021 | | | kg | | | 6,0000 | | 1,794 | |
|  | | | 2430226109420 | | Thinner for anticorrosive paints D.006-1 NI 1708-61 A1 | | | kg | | | 0,8400 | | 0,251 | |
|  | | | 2320166200676 | | White spirit | | | kg | | | 3,0000 | | 0,897 | |
|  | | | 1711317306661 | | Cotton swab | | | kg | | | 1,5000 | | 0,448 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Empty 4 (1 pc)** | | |  | | | | | | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Wall gaps** | | |  | | | | | | |
| **2. Retaining wall Ps1** | | | | | | | | | | | | | | |
| **49** | | | **TsC03B1** | | **Mechanical excavation with a 0.40-0.70 mc excavator, with an internal combustion engine and hydraulic control, in soil with natural humidity, unloading in a category II landfill.** | | | **100 m3** | | |  | | **1,080** | |
|  | | | 2952260003501 | | Crawler excavator with a bucket powered by a combustion engine, 0.40-0.70 mc | | | hr | | | 2,0500 | | 2,214 | |
| **50** | | | **TsA05E1** | | **Manual excavation of soil in limited spaces, over 1.00 m wide, performed with a sloping slope, without supports, up to 6 m deep, with manual evacuation to foundations, basements, canals, etc., in soil with natural humidity, excavation depth 2.01-4 m, medium terrain** | | | **m3** | | |  | | **25,000** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 3,1900 | | 79,75 | |
| **51** | | | **TsC35B1** | | **Excavated transport with front loader, at loading distances in a vehicle with a front loader on tracks of 0.5-0.99 m.c, soil from category II land at a distance of < 10 m (soil loading)** | | | **100 m3** | | |  | | **0,842** | |
|  | | | 2952270007403 | | Front-end loader on tracks 0.5 - 0.99 mc | | | hr | | | 5,4300 | | 4,572 | |
| **52** | | | **TsI50A10** | | **Transporting soil with a 5 t dump truck over a distance of 10 km** | | | **t** | | |  | | **143,100** | |
|  | | | 3410540000006 | | dump truck-5t | | | hr | | | 0,1820 | | 26,044 | |
| **53** | | | **TsC03F1** | | **Mechanical excavation with an excavator of 0.40-0.70 mc, with an internal combustion engine and hydraulic control, in soil with natural humidity, unloading into category II off-road vehicles / Clay** | | | **100 m3** | | |  | | **0,221** | |
|  | | | 2952260003501 | | Crawler excavator with a bucket powered by a combustion engine, 0.40-0.70 mc | | | hr | | | 2,2500 | | 0,497 | |
| **54** | | |  | | **Nisipoasa clay (consum 1.30 m3/m3)** | | | **m3** | | |  | | **22,120** | |
|  | | | 6005 | | Sandy clay | | | m3 | | | 1,3000 | | 28,756 | |
| **55** | | | **TsI50A10** | | **Transporting soil with a 5 t dump truck over a distance of 10 km** | | | **t** | | |  | | **35,400** | |
|  | | | 3410540000006 | | dump truck-5t | | | hr | | | 0,1820 | | 6,443 | |
| **56** | | | **TsC51B** | | **Works on unloading soil into the warehouse, category II land** | | | **100 m3** | | |  | | **0,221** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 0,3600 | | 0,08 | |
|  | | | 1411122201752 | | Broken stone | | | m3 | | | 0,0040 | | 0,001 | |
|  | | | 2952260003554 | | Buldozer 79kw (108CP) | | | hr | | | 0,4000 | | 0,088 | |
| **57** | | | **TsD01B** | | **Shovel spreading of refined soil, in uniform layers, 10-30 cm thick, by throwing up to 3 m from the piles, including crushing the clods, the soil coming from the middle ground / Clay spreading** | | | **m3** | | |  | | **22,120** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 0,3100 | | 6,857 | |
| **58** | | | **TsD05B** | | **Compaction with a 150-200 kg mechanical rammer of the fills in successive layers of 20-30 cm thickness, excluding the watering of pcs layer, the fills being made of cohesive soil** | | | **100 m3** | | |  | | **0,221** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 8,8200 | | 1,949 | |
|  | | | 2952270004021 | | Mechanical machine of 150-200 kg with 6 hp (4 kw) thermal engine | | | hr | | | 9,4300 | | 2,084 | |
| **59** | | | **CA02C** | | **Plain concrete poured into leveling, slopes, screeds at heights up to and including 35 m, prepared with a concrete batching plant according to art. CA01 or ready-mixed concrete, poured with classic means / Concrete cl.C8/10** | | | **m3** | | |  | | **2,100** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 3,8500 | | 8,085 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,6500 | | 1,365 | |
|  | | | 26631021000053 | | Beton cl.C8/10 | | | m3 | | | 1,0250 | | 2,174 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,1000 | | 0,212 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,2500 | | 0,525 | |
|  | | | 2952270003000 | | Surface vibrator | | | hr | | | 0,4000 | | 0,84 | |
| **60** | | | **CB03D** | | **Reusable panel formwork, with 15 mm plywood for pouring concrete into walls and diaphragms in constructions up to 20 m high, including supports** | | | **m2** | | |  | | **124,000** | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,1800 | | 22,32 | |
|  | | | 7124010010700 | | Portable Hoist | | | mh | | | 0,7700 | | 95,48 | |
|  | | | 2874125881241 | | Standard washers M 10 | | | kg | | | 0,0050 | | 0,62 | |
|  | | | 2874115841033 | | Square nuts M 10 | | | pcs | | | 0,3000 | | 37,20 | |
|  | | | 2874115825003 | | Square head screws M 10 x 140 mm | | | pcs | | | 0,3000 | | 37,20 | |
|  | | | 2875276311528 | | Steel construction staples | | | kg | | | 0,0300 | | 3,72 | |
|  | | | 2873145887000 | | Type A conical head nails for construction | | | kg | | | 0,0300 | | 3,72 | |
|  | | | 2030122928385 | | 15 mm plywood formwork panel | | | m2 | | | 0,1100 | | 13,64 | |
|  | | | 2010102904340 | | Softwood cabinets | | | m3 | | | 0,0010 | | 0,124 | |
|  | | | 2010102903495 | | Softwood chips | | | m3 | | | 0,0010 | | 0,124 | |
|  | | | 2010102900900 | | Softwood roundwood | | | m3 | | | 0,0015 | | 0,186 | |
|  | | | 2320187315789 | | Decofrol | | | kg | | | 0,1200 | | 14,88 | |
|  | | | 3410520006752 | | Crane 6 - 10 tone force | | | hr | | | 0,0200 | | 2,48 | |
| **61** | | | **CC02I** | | **OB 37 concrete steel reinforcement shaped in construction workshops, with bar diameters up to and including 8 mm, and mounted in walls and diaphragms, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork** | | | **kg** | | |  | | **38,860** | |
|  | | | 7123020011140 | | Concrete blacksmith | | | mh | | | 0,0960 | | 3,731 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0030 | | 0,117 | |
|  | | | 2710602100000 | | Reinforcing steel OB 37 diameter less than or equal to 8 mm | | | kg | | | 1,0250 | | 39,832 | |
|  | | | 2734113803881 | | Soft steel wire, black, D=1 mm | | | kg | | | 0,0100 | | 0,389 | |
|  | | | 2010237318750 | | Spacers | | | pcs | | | 0,3000 | | 11,658 | |
| **62** | | | **CC02J2** | | **PC 52 concrete steel reinforcement shaped in construction workshops, with bar diameters over 8 mm, in walls and diaphragms at heights less than or equal to 35 m, excluding constructions executed with sliding formwork** | | | **kg** | | |  | | **960,600** | |
|  | | | 7123020011140 | | Concrete blacksmith | | | mh | | | 0,0600 | | 57,636 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0030 | | 2,882 | |
|  | | | 2710602200000 | | Rebar PC 52 diam Rebar de 8 mm | | | kg | | | 1,0250 | | 984,615 | |
|  | | | 2734113803881 | | Soft steel wire, black, D=1 mm | | | kg | | | 0,0100 | | 9,606 | |
|  | | | 2010237318750 | | Spacers | | | pcs | | | 0,3000 | | 288,18 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,0010 | | 0,961 | |
| **63** | | | **CA03G** | | **Reinforced concrete cast with classical means, in foundations, plinths, retaining walls, walls below zero elevation, prepared with a concrete plant or ready-mixed concrete according to art. CA01, cast with classical means, reinforced concrete class C20/25** | | | **m3** | | |  | | **21,300** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 4,0000 | | 85,20 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,4000 | | 8,52 | |
|  | | | 26631021000057 | | Beton cl.C20/25 | | | m3 | | | 1,0250 | | 22,16 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,1000 | | 2,162 | |
|  | | | 2952270003100 | | Depth vibrator | | | hr | | | 0,6000 | | 12,78 | |
|  | | | 3410520006752 | | Crane 6 - 10 tone force | | | hr | | | 0,2500 | | 5,325 | |
| **64** | | | **IzF01B** | | **Priming surfaces for applying the diffusion layer, vapor barrier, thermal insulation or waterproofing on horizontal, inclined or vertical surfaces, with a suspension of fillerized bitumen (subif) in a layer** | | | **m2** | | |  | | **62,000** | |
|  | | | 7134030012200 | | Water-repellent insulator | | | mh | | | 0,0400 | | 2,48 | |
|  | | | 2413317346000 | | Fillerized-subif bitumen suspension | | | kg | | | 0,3000 | | 18,60 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,0010 | | 0,062 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tone force) Portable Hoist | | | hr | | | 0,0003 | | 0,019 | |
| **65** | | | **IzF04A** | | **Hot-applied waterproofing layer on terraces, roofs or foundations and rafters, in areas without groundwater, including the rafters and valleys in the current waterproofing on horizontal or inclined surfaces up to 40% flat or curved, with bitumen mastic applied with a brush or rubber trowel (squeegee) / k=2** | | | **m2** | | |  | | **62,000** | |
|  | | | 7134030012200 | | Water-repellent insulator | | | mh | | | 0,0400 | | 4,96 | |
|  | | | 2320322600036 | | Bitumen for waterproofing | | | kg | | | 1,7000 | | 210,80 | |
|  | | | 2653102100880 | | Limestone filler bags S 539 | | | kg | | | 0,3400 | | 42,16 | |
|  | | | 2052152959010 | | Softwood firewood (waste) | | | t | | | 0,0006 | | 0,074 | |
|  | | | 2052152958990 | | Hardwood firewood L=1m available in warehouse S 2340 | | | kg | | | 1,1300 | | 140,12 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tone force) Portable Hoist | | | hr | | | 0,0010 | | 0,124 | |
|  | | | 2952270004029 | | 500 l bitumen tank | | | hr | | | 0,0130 | | 1,612 | |
| **66** | | | **TsD01B** | | **Spreading the refined soil with a shovel, in uniform layers, 10-30 cm thick, by throwing it up to 3 m from the piles, including the crushing of the clods, the soil coming from the middle ground** | | | **m3** | | |  | | **48,830** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 0,3100 | | 15,137 | |
| **67** | | | **TsD05B** | | **Compaction with a 150-200 kg mechanical rammer of the fills in successive layers of 20-30 cm thickness, excluding the watering of pcs layer, the fills being made of cohesive soil** | | | **100 m3** | | |  | | **0,488** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 8,8200 | | 4,304 | |
|  | | | 2952270004021 | | Mechanical machine of 150-200 kg with 6 hp (4 kw) thermal engine | | | hr | | | 9,4300 | | 4,602 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Retaining wall Ps1** | | |  | | | | | | |
| **3. Sci-1 interior staircase** | | | | | | | | | | | | | | |
| **68** | | | **RpCG29D1** | | **Demolition by mechanical means of masonry walls from braces to create gaps in the masonry, for demolition by mechanical means** | | | **m3** | | |  | | **0,100** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,4500 | | 0,045 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 1,6900 | | 0,169 | |
|  | | | 4100126202818 | | What | | | m3 | | | 0,1200 | | 0,012 | |
|  | | | 2922140006702 | | Portable Hoist | | | hr | | | 0,0800 | | 0,008 | |
|  | | | 2912340002509 | | Mobile low pressure air compressor, flow rate 4.0 - 5.9 mc/min | | | hr | | | 0,3200 | | 0,032 | |
|  | | | 2952270002801 | | 10-15 kg demolition hammer | | | hr | | | 0,3200 | | 0,032 | |
| **69** | | | **RpCK42A** | | **Removing cold concrete or cement mortar floors** | | | **m2** | | |  | | **0,840** | |
|  | | | 7132040012700 | | Floorer | | | mh | | | 0,1500 | | 0,126 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,1500 | | 0,126 | |
|  | | | 4100126202818 | | What | | | m3 | | | 0,0500 | | 0,042 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tone force) Portable Hoist | | | hr | | | 0,0400 | | 0,034 | |
| **70** | | | **TsA02B** | | **Manual earth excavation in limited spaces, under 1.00 m or over 1.00 m wide, performed without supports, with a vertical slope, at foundations, canals, basements, drains, twinning steps, in non-cohesive or weakly cohesive soil, depth < 0.75 m, medium terrain** | | | **m3** | | |  | | **0,340** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 1,1900 | | 0,405 | |
| **71** | | | **CA02C01** | | **Plain concrete poured into leveling, slopes, screeds at heights up to and including 35 m, prepared with a concrete mixer on site according to art. CA01, pouring with classic means / Concrete cl.C8/10** | | | **m3** | | |  | | **0,100** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 3,8500 | | 0,385 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,6500 | | 0,065 | |
|  | | | 26631021000053 | | Beton cl.C8/10 | | | m3 | | | 1,0200 | | 0,103 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,1000 | | 0,01 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,2500 | | 0,025 | |
|  | | | 2952270003000 | | Surface vibrator | | | hr | | | 0,4000 | | 0,04 | |
| **72** | | | **CB03E** | | **Reusable panel formwork, with 15 mm plywood for pouring concrete into slabs and beams in constructions up to 20 m high, excluding supports** | | | **m2** | | |  | | **3,700** | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,1500 | | 0,555 | |
|  | | | 7124010010700 | | Carpenter | | | mh | | | 0,8500 | | 3,145 | |
|  | | | 2874125881241 | | Standard washers M 10 | | | kg | | | 0,0050 | | 0,018 | |
|  | | | 2874115841033 | | Square nuts M 10 | | | pcs | | | 0,3000 | | 1,11 | |
|  | | | 2874115825003 | | Square head screws M 10 x 140 mm | | | pcs | | | 0,3000 | | 1,11 | |
|  | | | 2875276311528 | | Steel construction staples | | | kg | | | 0,0300 | | 0,111 | |
|  | | | 2873145887000 | | Type A conical head nails for construction | | | kg | | | 0,0300 | | 0,111 | |
|  | | | 2030122928385 | | 15 mm plywood formwork panel | | | m2 | | | 0,1300 | | 0,481 | |
|  | | | 2010102904340 | | Softwood cabinets | | | m3 | | | 0,0010 | | 0,004 | |
|  | | | 2010102903495 | | Softwood chips | | | m3 | | | 0,0010 | | 0,004 | |
|  | | | 2320187315789 | | Decofrol | | | kg | | | 0,1200 | | 0,444 | |
|  | | | 3410520006752 | | Crane 6 - 10 tone force | | | hr | | | 0,0200 | | 0,074 | |
| **73** | | | **CC02M** | | **OB 37 concrete steel reinforcement shaped in construction workshops, with bar diameters up to 8 mm, and mounted in slabs, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork** | | | **kg** | | |  | | **9,730** | |
|  | | | 7123020011140 | | Concrete blacksmith | | | mh | | | 0,0650 | | 0,632 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0040 | | 0,039 | |
|  | | | 2710602100000 | | Reinforcing steel OB 37 diameter less than or equal to 8 mm | | | kg | | | 1,0250 | | 9,973 | |
|  | | | 2734113803881 | | Soft steel wire, black, D=1 mm | | | kg | | | 0,0100 | | 0,097 | |
|  | | | 2010237318750 | | Spacers | | | pcs | | | 0,2800 | | 2,724 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,0010 | | 0,01 | |
| **74** | | | **CC02N2** | | **PC 52 concrete steel reinforcement shaped in construction workshops, with bar diameters over 8 mm, and mounted in slabs, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork** | | | **kg** | | |  | | **65,850** | |
|  | | | 7123020011140 | | Concrete blacksmith | | | mh | | | 0,0580 | | 3,819 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0030 | | 0,198 | |
|  | | | 2710602200000 | | Rebar PC 52 ⌀Rebar de 8 mm | | | kg | | | 1,0250 | | 67,496 | |
|  | | | 2734113803881 | | Soft steel wire, black, D=1 mm | | | kg | | | 0,0100 | | 0,658 | |
|  | | | 2010237318750 | | Spacers | | | pcs | | | 0,2800 | | 18,438 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,0010 | | 0,066 | |
| **75** | | | **CA03F01** | | **Plain concrete poured with classic means, in foundations, plinths, retaining walls, walls below zero elevation, prepared with a concrete mixer on site, pouring with classic means, plain concrete class C16/20** | | | **m3** | | |  | | **1,000** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 3,4500 | | 3,45 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,4000 | | 0,40 | |
|  | | | 26631021000072 | | Beton cl.C16/20 | | | m3 | | | 1,0200 | | 1,035 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,1000 | | 0,102 | |
|  | | | 2952270003100 | | Depth vibrator | | | hr | | | 0,6000 | | 0,60 | |
|  | | | 3410520006752 | | Crane 6 - 10 tone force | | | hr | | | 0,2500 | | 0,25 | |
| **76** | | | **CL57B** | | **Mounting and fixing of parts embedded in monolithic reinforced concrete: weighing less than 10 kg** | | | **kg** | | |  | | **22,120** | |
|  | | | 7136080025001 | | Installer | | | mh | | | 0,1050 | | 2,323 | |
|  | | | 2811236309900 | | Metal fabrications | | | kg | | | 1,0400 | | 23,235 | |
|  | | | 2412126100010 | | Lead minium | | | kg | | | 0,0200 | | 0,447 | |
|  | | | 2873155900311 | | E-42A electrodes, 4 mm | | | kg | | | 0,0100 | | 0,223 | |
|  | | | 3110500002401 | | Welding machine 28-35 Kw | | | hr | | | 0,0800 | | 1,77 | |
|  | | | 2922140006702 | | Portable Hoist | | | hr | | | 0,0130 | | 0,288 | |
| **77** | | | **RpCB03A1** | | **Reinforced concrete poured into lintels, belts, insulated cornices, partition walls, stair and balcony railings, decorative pillars, reinforced concrete bearings, for mounting metal pillars on existing buildings, prepared manually and poured using classic means with reinforced concrete class B15** | | | **m3** | | |  | | **0,100** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 8,5200 | | 0,852 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 2,8100 | | 0,281 | |
|  | | | 2651122100440 | | Portland cement with PA additives 35 bags S1500 | | | kg | | | 301,0000 | | 30,852 | |
|  | | | 1421102200082 | | Unwashed river gravel 7-30 mm | | | m3 | | | 0,6780 | | 0,069 | |
|  | | | 1421102200587 | | Sorted sand washed from rivers and lakes 0.0-7.0 mm | | | m3 | | | 0,7400 | | 0,076 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,3100 | | 0,032 | |
|  | | | 2952270003717 | | Pneumatically operated indoor concrete vibrator type "VP-2C" (excluding compressed air consumption) | | | hr | | | 0,6000 | | 0,06 | |
|  | | | 3410520001373 | | Crane 5 tone force | | | hr | | | 0,1500 | | 0,015 | |
| **78** | | | **CL18A** | | **Various metal structures made of rolled profiles, sheet metal, corrugated sheet metal, reinforced steel, pipes for supports or coverings, totally or partially embedded in concrete** | | | **kg** | | |  | | **150,420** | |
|  | | | 7214240021810 | | Structural Fitter | | | mh | | | 0,1900 | | 28,58 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0100 | | 1,504 | |
|  | | | 7212030022700 | | Welder | | | mh | | | 0,0100 | | 1,504 | |
|  | | | 2734113803207 | | Soft black wire d = 2 mm | | | kg | | | 0,0100 | | 1,504 | |
|  | | | 2775276309886 | | Metal structures embedded in concrete | | | kg | | | 1,0000 | | 150,42 | |
|  | | | 2873155901200 | | Welding electrodes | | | kg | | | 0,0050 | | 0,752 | |
|  | | | 4011106202741 | | Electrical energy | | | kw | | | 0,0080 | | 1,203 | |
|  | | | 1010126200341 | | Forged carbide (Huila) | | | kg | | | 0,0150 | | 2,256 | |
| **79** | | | **IzD10C** | | **Anti-corrosion painting with a mine brush of metal structures with one layer of anti-corrosion primer GF-21 or similar and two layers of enamel PF-115 or similar** | | | **t** | | |  | | **0,150** | |
|  | | | 7141020013400 | | Industrial painter | | | mh | | | 7,2800 | | 1,092 | |
|  | | | 24301161000002 | | Email PF-115 | | | kg | | | 12,0000 | | 1,80 | |
|  | | | 24302261008141 | | Reason ГФ-021 | | | kg | | | 6,0000 | | 0,90 | |
|  | | | 2430226109420 | | Thinner for anticorrosive paints D.006-1 NI 1708-61 A1 | | | kg | | | 0,8400 | | 0,126 | |
|  | | | 2320166200676 | | White spirit | | | kg | | | 3,0000 | | 0,45 | |
|  | | | 1711317306661 | | Cotton swab | | | kg | | | 1,5000 | | 0,225 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Interior staircase Sci-1** | | |  | | | | | | |
| **4. Retaining wall** | | | | | | | | | | | | | | |
| **4.1. Embankments** | | | | | | | | | | | | | | |
| **80** | | | **TsC03B1** | | **Mechanical excavation with an excavator of 0.40-0.70 mc, with an internal combustion engine and hydraulic control, in soil with natural humidity, unloading in a category II landfill.** | | | **100 m3** | | |  | | **5,040** | |
|  | | | 2952260003501 | | Crawler excavator with a bucket powered by a combustion engine, 0.40-0.70 mc | | | hr | | | 2,0500 | | 10,332 | |
| **81** | | | **TsA05E1** | | **Manual excavation of soil in limited spaces, over 1.00 m wide, performed with a sloping slope, without supports, up to 6 m deep, with manual evacuation to foundations, basements, canals, etc., in soil with natural humidity, excavation depth 2.01-4 m, medium terrain** | | | **m3** | | |  | | **136,000** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 3,1900 | | 433,84 | |
| **82** | | | **TsC35B1** | | **Excavated transport with front loader, at loading distances in a vehicle with a front loader on tracks of 0.5-0.99 m.c, soil from category II land at a distance of < 10 m (soil loading)** | | | **100 m3** | | |  | | **1,071** | |
|  | | | 2952270007403 | | Front-end loader on tracks 0.5 - 0.99 mc | | | hr | | | 5,4300 | | 5,816 | |
| **83** | | | **TsI50A10** | | **Transporting soil with a 5 t dump truck over a distance of 10 km** | | | **t** | | |  | | **182,104** | |
|  | | | 3410540000006 | | dump truck-5t | | | hr | | | 0,1820 | | 33,143 | |
| **84** | | | **TsC35B1** | | **Excavated transport with front loader, at loading distances in a vehicle with a front loader on tracks of 0.5-0.99 m.c, soil from category II land at a distance of < 10 m (soil spreading)** | | | **100 m3** | | |  | | **5,329** | |
|  | | | 2952270007403 | | Front-end loader on tracks 0.5 - 0.99 mc | | | hr | | | 5,4300 | | 28,936 | |
| **85** | | | **TsD05B** | | **Compaction with a 150-200 kg mechanical rammer of the fills in successive layers of 20-30 cm thickness, excluding the watering of pcs layer, the fills being made of cohesive soil** | | | **100 m3** | | |  | | **5,329** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 8,8200 | | 47,002 | |
|  | | | 2952270004021 | | Mechanical machine of 150-200 kg with 6 hp (4 kw) thermal engine | | | hr | | | 9,4300 | | 50,252 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Excavation** | | |  | | | | | | |
| **4.2. Foundation** | | | | | | | | | | | | | | |
| **86** | | | **CA02C** | | **Plain concrete poured into leveling, slopes, screeds at heights up to and including 35 m, prepared with a concrete batching plant according to art. CA01 or ready-mixed concrete, poured with classic means / Concrete cl.C8/10** | | | **m3** | | |  | | **11,850** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 3,8500 | | 45,622 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,6500 | | 7,702 | |
|  | | | 26631021000053 | | Beton cl.C8/10 | | | m3 | | | 1,0250 | | 12,268 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,1000 | | 1,197 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,2500 | | 2,962 | |
|  | | | 2952270003000 | | Surface vibrator | | | hr | | | 0,4000 | | 4,74 | |
| **87** | | | **CB03A** | | **Reusable panel formwork, with 15 mm plywood for pouring concrete into bearings, cup foundations and machinery foundations including supports** | | | **m2** | | |  | | **133,000** | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,1000 | | 13,30 | |
|  | | | 71240100107001 | | Carpenter | | | mh | | | 0,9500 | | 126,35 | |
|  | | | 2734113803233 | | Soft black wire d = 2.5 mm | | | kg | | | 0,0500 | | 6,65 | |
|  | | | 2873145887000 | | Type A conical head nails for construction | | | kg | | | 0,0800 | | 10,64 | |
|  | | | 2030122928385 | | 15 mm plywood formwork panel | | | m2 | | | 0,0900 | | 11,97 | |
|  | | | 2010102903495 | | Softwood chips | | | m3 | | | 0,0035 | | 0,466 | |
|  | | | 2010102900900 | | Softwood roundwood | | | m3 | | | 0,0005 | | 0,066 | |
|  | | | 2320187315789 | | Decofrol | | | kg | | | 0,1200 | | 15,96 | |
| **88** | | | **CC01E** | | **OB 37 concrete steel reinforcements shaped in construction workshops and installed with bar diameters up to 8 mm, including in continuous foundations and slabs** | | | **kg** | | |  | | **114,860** | |
|  | | | 7123020011140 | | Concrete blacksmith | | | mh | | | 0,0640 | | 7,351 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0030 | | 0,345 | |
|  | | | 2710602100000 | | Reinforcing steel OB 37 diameter less than or equal to 8 mm | | | kg | | | 1,0250 | | 117,732 | |
|  | | | 2010237318750 | | Spacers | | | pcs | | | 0,1500 | | 17,229 | |
|  | | | 2734113803881 | | Soft steel wire, black, D=1 mm | | | kg | | | 0,0100 | | 1,149 | |
| **89** | | | **CC01F1** | | **PC 52 concrete steel reinforcements shaped in construction workshops and installed with bar diameters over 8 mm, including in continuous foundations and slabs** | | | **kg** | | |  | | **1 411,560** | |
|  | | | 7123020011140 | | Concrete blacksmith | | | mh | | | 0,0540 | | 76,224 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0030 | | 4,235 | |
|  | | | 2710602200000 | | Rebar PC 52 diam Rebar de 8 mm | | | kg | | | 1,0250 | | 1 446,849 | |
|  | | | 2010237318750 | | Spacers | | | pcs | | | 0,1500 | | 211,734 | |
|  | | | 2734113803881 | | Soft steel wire, black, D=1 mm | | | kg | | | 0,0100 | | 14,116 | |
| **90** | | | **CA03G** | | **Reinforced concrete poured with classical means, in foundations, plinths, retaining walls, walls below zero elevation, prepared with a concrete batching plant or ready-mixed concrete according to art. CA01, pouring with classical means, reinforced concrete class C16/20** | | | **m3** | | |  | | **37,930** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 4,0000 | | 151,72 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,4000 | | 15,172 | |
|  | | | 26631021000072 | | Beton cl.C16/20 | | | m3 | | | 1,0250 | | 39,461 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,1000 | | 3,85 | |
|  | | | 2952270003100 | | Depth vibrator | | | hr | | | 0,6000 | | 22,758 | |
|  | | | 3410520006752 | | Crane 6 - 10 tone force | | | hr | | | 0,2500 | | 9,482 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Foundation** | | |  | | | | | | |
| **4.3. Retaining wall** | | | | | | | | | | | | | | |
| **91** | | | **CB03D** | | **Reusable panel formwork, with 15 mm plywood for pouring concrete into walls and diaphragms in constructions up to 20 m high, including supports** | | | **m2** | | |  | | **360,000** | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,1800 | | 64,80 | |
|  | | | 7124010010700 | | Carpenter | | | mh | | | 0,7700 | | 277,20 | |
|  | | | 2874125881241 | | Standard washers M 10 | | | kg | | | 0,0050 | | 1,80 | |
|  | | | 2874115841033 | | Square nuts M 10 | | | pcs | | | 0,3000 | | 108,00 | |
|  | | | 2874115825003 | | Square head screws M 10 x 140 mm | | | pcs | | | 0,3000 | | 108,00 | |
|  | | | 2875276311528 | | Steel construction staples | | | kg | | | 0,0300 | | 10,80 | |
|  | | | 2873145887000 | | Type A conical head nails for construction | | | kg | | | 0,0300 | | 10,80 | |
|  | | | 2030122928385 | | 15 mm plywood formwork panel | | | m2 | | | 0,1100 | | 39,60 | |
|  | | | 2010102904340 | | Softwood cabinets | | | m3 | | | 0,0010 | | 0,36 | |
|  | | | 2010102903495 | | Softwood chips | | | m3 | | | 0,0010 | | 0,36 | |
|  | | | 2010102900900 | | Softwood roundwood | | | m3 | | | 0,0015 | | 0,54 | |
|  | | | 2320187315789 | | Decofrol | | | kg | | | 0,1200 | | 43,20 | |
|  | | | 3410520006752 | | Crane 6 - 10 tone force | | | hr | | | 0,0200 | | 7,20 | |
| **92** | | | **CC02I** | | **OB 37 concrete steel reinforcement shaped in construction workshops, with bar diameters up to and including 8 mm, and mounted in walls and diaphragms, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork** | | | **kg** | | |  | | **108,180** | |
|  | | | 7123020011140 | | Concrete blacksmith | | | mh | | | 0,0960 | | 10,385 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0030 | | 0,325 | |
|  | | | 2710602100000 | | Reinforcing steel OB 37 diameter less than or equal to 8 mm | | | kg | | | 1,0250 | | 110,884 | |
|  | | | 2734113803881 | | Soft steel wire, black, D=1 mm | | | kg | | | 0,0100 | | 1,082 | |
|  | | | 2010237318750 | | Spacers | | | pcs | | | 0,3000 | | 32,454 | |
| **93** | | | **CC02J2** | | **PC 52 concrete steel reinforcement shaped in construction workshops, with bar diameters over 8 mm, in walls and diaphragms at heights less than or equal to 35 m, excluding constructions executed with sliding formwork** | | | **kg** | | |  | | **4 008,180** | |
|  | | | 7123020011140 | | Concrete blacksmith | | | mh | | | 0,0600 | | 240,491 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0030 | | 12,025 | |
|  | | | 2710602200000 | | Rebar PC 52 diam Rebar de 8 mm | | | kg | | | 1,0250 | | 4 108,384 | |
|  | | | 2734113803881 | | Soft steel wire, black, D=1 mm | | | kg | | | 0,0100 | | 40,082 | |
|  | | | 2010237318750 | | Spacers | | | pcs | | | 0,3000 | | 1 202,454 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,0010 | | 4,008 | |
| **94** | | | **CA03G** | | **Reinforced concrete cast with classical means, in foundations, plinths, retaining walls, walls below zero elevation, prepared with a concrete plant or ready-mixed concrete according to art. CA01, cast with classical means, reinforced concrete class C20/25** | | | **m3** | | |  | | **57,340** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 4,0000 | | 229,36 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,4000 | | 22,936 | |
|  | | | 26631021000057 | | Beton cl.C20/25 | | | m3 | | | 1,0250 | | 59,655 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,1000 | | 5,82 | |
|  | | | 2952270003100 | | Depth vibrator | | | hr | | | 0,6000 | | 34,404 | |
|  | | | 3410520006752 | | Crane 6 - 10 tone force | | | hr | | | 0,2500 | | 14,335 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Retaining wall** | | |  | | | | | | |
| **4.4. Waterproofing** | | | | | | | | | | | | | | |
| **95** | | | **IzF01B** | | **Priming surfaces for applying the diffusion layer, vapor barrier, thermal insulation or waterproofing on horizontal, inclined or vertical surfaces, with a suspension of fillerized bitumen (subif) in a layer** | | | **m2** | | |  | | **342,560** | |
|  | | | 7134030012200 | | Water-repellent insulator | | | mh | | | 0,0400 | | 13,702 | |
|  | | | 2413317346000 | | Fillerized-subif bitumen suspension | | | kg | | | 0,3000 | | 102,768 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,0010 | | 0,343 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tone force) Portable Hoist | | | hr | | | 0,0003 | | 0,103 | |
| **96** | | | **IzF04A** | | **Hot-applied waterproofing layer on terraces, roofs or foundations and rafters, in areas without groundwater, including the rafters and valleys in the current waterproofing on horizontal or inclined surfaces up to 40% flat or curved, with bitumen mastic applied with a brush or rubber trowel (squeegee) / k=2** | | | **m2** | | |  | | **342,560** | |
|  | | | 7134030012200 | | Water-repellent insulator | | | mh | | | 0,0400 | | 27,405 | |
|  | | | 2320322600036 | | Bitumen for waterproofing | | | kg | | | 1,7000 | | 1 164,704 | |
|  | | | 2653102100880 | | Limestone filler bags S 539 | | | kg | | | 0,3400 | | 232,941 | |
|  | | | 2052152959010 | | Softwood firewood (waste) | | | t | | | 0,0006 | | 0,411 | |
|  | | | 2052152958990 | | Hardwood firewood L=1m available in warehouse S 2340 | | | kg | | | 1,1300 | | 774,186 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tone force) Portable Hoist | | | hr | | | 0,0010 | | 0,685 | |
|  | | | 2952270004029 | | 500 l bitumen tank | | | hr | | | 0,0130 | | 8,907 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Waterproofing** | | |  | | | | | | |
| **4.5. Floor at elevation -1,170** | | | | | | | | | | | | | | |
| **97** | | | **CB11A** | | **Supports with inventory extensible props, used for mounting prefabricated slabs, drawers, when casting partially or totally monolithic floors with beams or monolithic beams with prefabricated floors type PE 3100 R** | | | **pcs** | | |  | | **42,000** | |
|  | | | 71240100107001 | | Carpenter | | | mh | | | 0,3000 | | 12,60 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,1500 | | 6,30 | |
|  | | | 2811236310185 | | Expandable metal props PE 3100 R | | | kg | | | 0,4000 | | 16,80 | |
|  | | | 2010102904340 | | Softwood cabinets | | | m3 | | | 0,0005 | | 0,021 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,0100 | | 0,42 | |
| **98** | | | **CB03E** | | **Reusable panel formwork, with 15 mm plywood for pouring concrete into slabs and beams in constructions up to 20 m high, excluding supports** | | | **m2** | | |  | | **27,700** | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,1500 | | 4,155 | |
|  | | | 7124010010700 | | Carpenter | | | mh | | | 0,8500 | | 23,545 | |
|  | | | 2874125881241 | | Standard washers M 10 | | | kg | | | 0,0050 | | 0,138 | |
|  | | | 2874115841033 | | Square nuts M 10 | | | pcs | | | 0,3000 | | 8,31 | |
|  | | | 2874115825003 | | Square head screws M 10 x 140 mm | | | pcs | | | 0,3000 | | 8,31 | |
|  | | | 2875276311528 | | Steel construction staples | | | kg | | | 0,0300 | | 0,831 | |
|  | | | 2873145887000 | | Type A conical head nails for construction | | | kg | | | 0,0300 | | 0,831 | |
|  | | | 2030122928385 | | 15 mm plywood formwork panel | | | m2 | | | 0,1300 | | 3,601 | |
|  | | | 2010102904340 | | Softwood cabinets | | | m3 | | | 0,0010 | | 0,028 | |
|  | | | 2010102903495 | | Softwood chips | | | m3 | | | 0,0010 | | 0,028 | |
|  | | | 2320187315789 | | Decofrol | | | kg | | | 0,1200 | | 3,324 | |
|  | | | 3410520006752 | | Crane 6 - 10 tone force | | | hr | | | 0,0200 | | 0,554 | |
| **99** | | | **CC02M** | | **OB 37 concrete steel reinforcement shaped in construction workshops, with bar diameters up to 8 mm, and mounted in slabs, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork** | | | **kg** | | |  | | **20,720** | |
|  | | | 7123020011140 | | Concrete blacksmith | | | mh | | | 0,0650 | | 1,347 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0040 | | 0,083 | |
|  | | | 2710602100000 | | Reinforcing steel OB 37 diameter less than or equal to 8 mm | | | kg | | | 1,0250 | | 21,238 | |
|  | | | 2734113803881 | | Soft steel wire, black, D=1 mm | | | kg | | | 0,0100 | | 0,207 | |
|  | | | 2010237318750 | | Spacers | | | pcs | | | 0,2800 | | 5,802 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,0010 | | 0,021 | |
| **100** | | | **CC02N2** | | **PC 52 concrete steel reinforcement shaped in construction workshops, with bar diameters over 8 mm, and mounted in slabs, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork** | | | **kg** | | |  | | **462,450** | |
|  | | | 7123020011140 | | Concrete blacksmith | | | mh | | | 0,0580 | | 26,822 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0030 | | 1,387 | |
|  | | | 2710602200000 | | Rebar PC 52 diam Rebar de 8 mm | | | kg | | | 1,0250 | | 474,011 | |
|  | | | 2734113803881 | | Soft steel wire, black, D=1 mm | | | kg | | | 0,0100 | | 4,624 | |
|  | | | 2010237318750 | | Spacers | | | pcs | | | 0,2800 | | 129,486 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,0010 | | 0,462 | |
| **101** | | | **CA04F** | | **Concrete poured into slabs, beams, columns, prepared with a concrete batching plant or ready-mixed concrete according to art. CA01 and pouring with classical means / Concrete cl.C20/25** | | | **m3** | | |  | | **5,090** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 4,8500 | | 24,686 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,4500 | | 2,29 | |
|  | | | 26631021000057 | | Beton cl.C20/25 | | | m3 | | | 1,0250 | | 5,374 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,1500 | | 0,786 | |
|  | | | 2952270003100 | | Depth vibrator | | | hr | | | 0,6000 | | 3,054 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,2800 | | 1,425 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Floor at elevation -1,170** | | |  | | | | | | |
| **4.6. Floor at elevation -1.370** | | | | | | | | | | | | | | |
| **102** | | | **CB11A** | | **Supports with inventory extensible props, used for mounting prefabricated slabs, drawers, when casting partially or totally monolithic floors with beams or monolithic beams with prefabricated floors type PE 3100 R** | | | **pcs** | | |  | | **325,000** | |
|  | | | 71240100107001 | | Carpenter | | | mh | | | 0,3000 | | 97,50 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,1500 | | 48,75 | |
|  | | | 2811236310185 | | Expandable metal props PE 3100 R | | | kg | | | 0,4000 | | 130,00 | |
|  | | | 2010102904340 | | Softwood cabinets | | | m3 | | | 0,0005 | | 0,162 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,0100 | | 3,25 | |
| **103** | | | **CB03E** | | **Reusable panel formwork, with 15 mm plywood for pouring concrete into slabs and beams in constructions up to 20 m high, excluding supports** | | | **m2** | | |  | | **216,730** | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,1500 | | 32,51 | |
|  | | | 7124010010700 | | Carpenter | | | mh | | | 0,8500 | | 184,22 | |
|  | | | 2874125881241 | | Standard washers M 10 | | | kg | | | 0,0050 | | 1,084 | |
|  | | | 2874115841033 | | Square nuts M 10 | | | pcs | | | 0,3000 | | 65,019 | |
|  | | | 2874115825003 | | Square head screws M 10 x 140 mm | | | pcs | | | 0,3000 | | 65,019 | |
|  | | | 2875276311528 | | Steel construction staples | | | kg | | | 0,0300 | | 6,502 | |
|  | | | 2873145887000 | | Type A conical head nails for construction | | | kg | | | 0,0300 | | 6,502 | |
|  | | | 2030122928385 | | 15 mm plywood formwork panel | | | m2 | | | 0,1300 | | 28,175 | |
|  | | | 2010102904340 | | Softwood cabinets | | | m3 | | | 0,0010 | | 0,217 | |
|  | | | 2010102903495 | | Softwood chips | | | m3 | | | 0,0010 | | 0,217 | |
|  | | | 2320187315789 | | Decofrol | | | kg | | | 0,1200 | | 26,008 | |
|  | | | 3410520006752 | | Crane 6 - 10 tone force | | | hr | | | 0,0200 | | 4,335 | |
| **104** | | | **CC02M** | | **OB 37 concrete steel reinforcement shaped in construction workshops, with bar diameters up to 8 mm, and mounted in slabs, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork** | | | **kg** | | |  | | **161,320** | |
|  | | | 7123020011140 | | Concrete blacksmith | | | mh | | | 0,0650 | | 10,486 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0040 | | 0,645 | |
|  | | | 2710602100000 | | Reinforcing steel OB 37 diameter less than or equal to 8 mm | | | kg | | | 1,0250 | | 165,353 | |
|  | | | 2734113803881 | | Soft steel wire, black, D=1 mm | | | kg | | | 0,0100 | | 1,613 | |
|  | | | 2010237318750 | | Spacers | | | pcs | | | 0,2800 | | 45,17 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,0010 | | 0,161 | |
| **105** | | | **CC02N2** | | **PC 52 concrete steel reinforcement shaped in construction workshops, with bar diameters over 8 mm, and mounted in slabs, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork** | | | **kg** | | |  | | **3 737,980** | |
|  | | | 7123020011140 | | Concrete blacksmith | | | mh | | | 0,0580 | | 216,803 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0030 | | 11,214 | |
|  | | | 2710602200000 | | Rebar PC 52 diam Rebar de 8 mm | | | kg | | | 1,0250 | | 3 831,43 | |
|  | | | 2734113803881 | | Soft steel wire, black, D=1 mm | | | kg | | | 0,0100 | | 37,38 | |
|  | | | 2010237318750 | | Spacers | | | pcs | | | 0,2800 | | 1 046,634 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,0010 | | 3,738 | |
| **106** | | | **CA04F** | | **Concrete poured into slabs, beams, columns, prepared with a concrete batching plant or ready-mixed concrete according to art. CA01 and pouring with classical means / Concrete cl.C20/25** | | | **m3** | | |  | | **41,580** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 4,8500 | | 201,663 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,4500 | | 18,711 | |
|  | | | 26631021000057 | | Beton cl.C20/25 | | | m3 | | | 1,0250 | | 43,898 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,1500 | | 6,424 | |
|  | | | 2952270003100 | | Depth vibrator | | | hr | | | 0,6000 | | 24,948 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,2800 | | 11,642 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Floor at elevation -1,370** | | |  | | | | | | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Retaining wall** | | |  | | | | | | |
| **5. Monolithic walls** | | | | | | | | | | | | | | |
| **5.1. Foundation** | | | | | | | | | | | | | | |
| **107** | | | **CA02C** | | **Plain concrete poured into leveling, slopes, screeds at heights up to and including 35 m, prepared with a concrete batching plant according to art. CA01 or ready-mixed concrete, poured with classic means / Concrete cl.C8/10** | | | **m3** | | |  | | **0,940** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 3,8500 | | 3,619 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,6500 | | 0,611 | |
|  | | | 26631021000053 | | Beton cl.C8/10 | | | m3 | | | 1,0250 | | 0,973 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,1000 | | 0,095 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,2500 | | 0,235 | |
|  | | | 2952270003000 | | Surface vibrator | | | hr | | | 0,4000 | | 0,376 | |
| **108** | | | **CB03A** | | **Reusable panel formwork, with 15 mm plywood for pouring concrete into bearings, cup foundations and machinery foundations including supports** | | | **m2** | | |  | | **7,020** | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,1000 | | 0,702 | |
|  | | | 71240100107001 | | Portable Hoist | | | mh | | | 0,9500 | | 6,669 | |
|  | | | 2734113803233 | | Soft black wire d = 2.5 mm | | | kg | | | 0,0500 | | 0,351 | |
|  | | | 2873145887000 | | Type A conical head nails for construction | | | kg | | | 0,0800 | | 0,562 | |
|  | | | 2030122928385 | | 15 mm plywood formwork panel | | | m2 | | | 0,0900 | | 0,632 | |
|  | | | 2010102903495 | | Softwood chips | | | m3 | | | 0,0035 | | 0,025 | |
|  | | | 2010102900900 | | Softwood roundwood | | | m3 | | | 0,0005 | | 0,004 | |
|  | | | 2320187315789 | | Decofrol | | | kg | | | 0,1200 | | 0,842 | |
| **109** | | | **CC01E** | | **OB 37 concrete steel reinforcements shaped in construction workshops and installed with bar diameters up to 8 mm, including in continuous foundations and slabs** | | | **kg** | | |  | | **28,800** | |
|  | | | 7123020011140 | | Concrete blacksmith | | | mh | | | 0,0640 | | 1,843 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0030 | | 0,086 | |
|  | | | 2710602100000 | | Reinforcing steel OB 37 diameter less than or equal to 8 mm | | | kg | | | 1,0250 | | 29,52 | |
|  | | | 2010237318750 | | Spacers | | | pcs | | | 0,1500 | | 4,32 | |
|  | | | 2734113803881 | | Soft steel wire, black, D=1 mm | | | kg | | | 0,0100 | | 0,288 | |
| **110** | | | **CC01F1** | | **PC 52 concrete steel reinforcements shaped in construction workshops and installed with bar diameters over 8 mm, including in continuous foundations and slabs** | | | **kg** | | |  | | **118,950** | |
|  | | | 7123020011140 | | Concrete blacksmith | | | mh | | | 0,0540 | | 6,423 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0030 | | 0,357 | |
|  | | | 2710602200000 | | Rebar PC 52 diam Rebar de 8 mm | | | kg | | | 1,0250 | | 121,924 | |
|  | | | 2010237318750 | | Spacers | | | pcs | | | 0,1500 | | 17,842 | |
|  | | | 2734113803881 | | Soft steel wire, black, D=1 mm | | | kg | | | 0,0100 | | 1,189 | |
| **111** | | | **CA03G** | | **Reinforced concrete poured with classical means, in foundations, plinths, retaining walls, walls below zero elevation, prepared with a concrete batching plant or ready-mixed concrete according to art. CA01, pouring with classical means, reinforced concrete class C16/20** | | | **m3** | | |  | | **2,110** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 4,0000 | | 8,44 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,4000 | | 0,844 | |
|  | | | 26631021000072 | | Beton cl.C16/20 | | | m3 | | | 1,0250 | | 2,195 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,1000 | | 0,214 | |
|  | | | 2952270003100 | | Depth vibrator | | | hr | | | 0,6000 | | 1,266 | |
|  | | | 3410520006752 | | Crane 6 - 10 tone force | | | hr | | | 0,2500 | | 0,528 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Foundation** | | |  | | | | | | |
| **5.2. Retaining wall** | | | | | | | | | | | | | | |
| **112** | | | **CB03D** | | **Reusable panel formwork, with 15 mm plywood for pouring concrete into walls and diaphragms in constructions up to 20 m high, including supports** | | | **m2** | | |  | | **60,000** | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,1800 | | 10,80 | |
|  | | | 7124010010700 | | Carpenter | | | mh | | | 0,7700 | | 46,20 | |
|  | | | 2874125881241 | | Standard washers M 10 | | | kg | | | 0,0050 | | 0,30 | |
|  | | | 2874115841033 | | Square nuts M 10 | | | pcs | | | 0,3000 | | 18,00 | |
|  | | | 2874115825003 | | Square head screws M 10 x 140 mm | | | pcs | | | 0,3000 | | 18,00 | |
|  | | | 2875276311528 | | Steel construction staples | | | kg | | | 0,0300 | | 1,80 | |
|  | | | 2873145887000 | | Type A conical head nails for construction | | | kg | | | 0,0300 | | 1,80 | |
|  | | | 2030122928385 | | 15 mm plywood formwork panel | | | m2 | | | 0,1100 | | 6,60 | |
|  | | | 2010102904340 | | Softwood cabinets | | | m3 | | | 0,0010 | | 0,06 | |
|  | | | 2010102903495 | | Softwood chips | | | m3 | | | 0,0010 | | 0,06 | |
|  | | | 2010102900900 | | Softwood roundwood | | | m3 | | | 0,0015 | | 0,09 | |
|  | | | 2320187315789 | | Decofrol | | | kg | | | 0,1200 | | 7,20 | |
|  | | | 3410520006752 | | Crane 6 - 10 tone force | | | hr | | | 0,0200 | | 1,20 | |
| **113** | | | **CC02I** | | **OB 37 concrete steel reinforcement shaped in construction workshops, with bar diameters up to and including 8 mm, and mounted in walls and diaphragms, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork** | | | **kg** | | |  | | **285,110** | |
|  | | | 7123020011140 | | Concrete blacksmith | | | mh | | | 0,0960 | | 27,371 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0030 | | 0,855 | |
|  | | | 2710602100000 | | Reinforcing steel OB 37 diameter less than or equal to 8 mm | | | kg | | | 1,0250 | | 292,238 | |
|  | | | 2734113803881 | | Soft steel wire, black, D=1 mm | | | kg | | | 0,0100 | | 2,851 | |
|  | | | 2010237318750 | | Spacers | | | pcs | | | 0,3000 | | 85,533 | |
| **114** | | | **CC02J2** | | **PC 52 concrete steel reinforcement shaped in construction workshops, with bar diameters over 8 mm, in walls and diaphragms at heights less than or equal to 35 m, excluding constructions executed with sliding formwork** | | | **kg** | | |  | | **263,000** | |
|  | | | 7123020011140 | | Concrete blacksmith | | | mh | | | 0,0600 | | 15,78 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,0030 | | 0,789 | |
|  | | | 2710602200000 | | Rebar PC 52 diam Rebar de 8 mm | | | kg | | | 1,0250 | | 269,575 | |
|  | | | 2734113803881 | | Soft steel wire, black, D=1 mm | | | kg | | | 0,0100 | | 2,63 | |
|  | | | 2010237318750 | | Spacers | | | pcs | | | 0,3000 | | 78,90 | |
|  | | | 2922140007000 | | Crane | | | hr | | | 0,0010 | | 0,263 | |
| **115** | | | **CA03G** | | **Reinforced concrete cast with classical means, in foundations, plinths, retaining walls, walls below zero elevation, prepared with a concrete plant or ready-mixed concrete according to art. CA01, cast with classical means, reinforced concrete class C20/25** | | | **m3** | | |  | | **7,340** | |
|  | | | 7123010010200 | | Concrete | | | mh | | | 4,0000 | | 29,36 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,4000 | | 2,936 | |
|  | | | 26631021000057 | | Beton cl.C20/25 | | | m3 | | | 1,0250 | | 7,636 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,1000 | | 0,745 | |
|  | | | 2952270003100 | | Depth vibrator | | | hr | | | 0,6000 | | 4,404 | |
|  | | | 3410520006752 | | Crane 6 - 10 tone force | | | hr | | | 0,2500 | | 1,835 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Retaining wall** | | |  | | | | | | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Pereti monoliths** | | |  | | | | | | |
|  |  | | |  | |  | | |  | | | | | |
|  |  | | |  | |  | | |  | | | | | |
|  | | |  | | Total | | |  | | |  | | | |
|  | | |  | | Social insurance | | |  | | |  | | | |
|  | | |  | | Transportation expenses | | |  | | |  | | | |
|  | | |  | | Supply-storage expenses | | |  | | |  | | | |
|  | | |  | | Direct expenses | | |  | | |  | | | |
|  | | |  | | Overhead expenses | | |  | | |  | | | |
|  | | |  | | Total with OE | | |  | | |  | | | |
|  | | |  | | Quote benefit | | |  | | |  | | | |
|  | | |  | | **Total currency:** | | |  | | | | | |  |

|  |  |
| --- | --- |
| **Developed** |  |
| (last name, first name, position, signature,) | |