|  |  |
| --- | --- |
| **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  WinСmeta |
| (name of the object) |  |

**Bill of quantities for Works No. 2-1-3**

**External electrical networks, Electrical power equipment / Internal electrical lighting (12/25-J-REAE/IEI/EEF)**

in current prices

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

| 1 | | | 2 | | 3 | | | 4 | | | 5 | | 6 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1. Construction work** | | | | | | | | | | | | | | |
| **1** | | | **RpEJ08C** | | **Excavation of trenches up to 5 cm deep in stone or reinforced concrete walls of 5x50 cm2** | | | **m** | | |  | | **680,000** | |
|  | | | 7137010011520 | | Construction Electrician | | | mh | | | 0,200 | | 136,00 | |
| **2** | | | **RpEJ08F** | | **Excavation of trenches up to 5 cm deep in stone or reinforced concrete walls of 5x100 cm2** | | | **m** | | |  | | **6,000** | |
|  | | | 7137010011520 | | Construction Electrician | | | mh | | | 0,500 | | 3,00 | |
| **3** | | | **RpEJ09D** | | **Sweeping of trenches in walls up to 50 cm2** | | | **m** | | |  | | **680,000** | |
|  | | | 7122050013442 | | Plasterer | | | mh | | | 0,300 | | 204,00 | |
|  | | | 2653102100830 | | Plaster for construction type A | | | kg | | | 1,700 | | 1 156,00 | |
|  | | | 1421102200525 | | Sorted unwashed river and lake sand 0.0-7.0 mm | | | m3 | | | 0,0005 | | 0,34 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,010 | | 6,80 | |
|  | | | 2952270003817 | | 200 L electrically operated mortar mixer | | | hr | | | 0,015 | | 10,20 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tf) window crane | | | hr | | | 0,020 | | 13,60 | |
| **4** | | | **RpEJ09E** | | **Sweeping trenches in walls between 50 and 100 cm2** | | | **m** | | |  | | **6,000** | |
|  | | | 7122050013442 | | Plasterer | | | mh | | | 0,450 | | 2,70 | |
|  | | | 2653102100830 | | Plaster for construction type A | | | kg | | | 2,250 | | 13,50 | |
|  | | | 1421102200525 | | Sorted unwashed river and lake sand 0.0-7.0 mm | | | m3 | | | 0,0005 | | 0,003 | |
|  | | | 2652102100713 | | Lime paste | | | m3 | | | 0,0001 | | 0,001 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,020 | | 0,12 | |
|  | | | 2952270003817 | | 200 L electrically operated mortar mixer | | | hr | | | 0,020 | | 0,12 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tf) window crane | | | hr | | | 0,030 | | 0,18 | |
| **5** | | | **RpCU05A1** | | **Making penetrations for pipes or tie rods, for reinforcements, in brick walls or floors up to 15 cm thick, for mechanized penetrations** | | | **pcs** | | |  | | **80,000** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,020 | | 1,60 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,130 | | 10,40 | |
| **6** | | | **RpCU05I1** | | **Making penetrations for pipes or tie rods in stone or reinforced concrete walls of 26 - 50 cm, for mechanized penetrations** | | | **pcs** | | |  | | **90,000** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,100 | | 9,00 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,650 | | 58,50 | |
| **7** | | | **RpCU07A** | | **Filling gaps in walls with plaster mortar after installations or reinforcements** | | | **pcs** | | |  | | **80,000** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,070 | | 5,60 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,080 | | 6,40 | |
|  | | | 2653102100830 | | Plaster for construction type A | | | kg | | | 0,220 | | 17,60 | |
|  | | | 1421102200513 | | Sorted unwashed river and lake sand 0.0-3.0 mm | | | m3 | | | 0,001 | | 0,08 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,005 | | 0,40 | |
|  | | | 2952270003817 | | 200 L electric mortar mixer | | | hr | | | 0,010 | | 0,80 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tf) window crane | | | hr | | | 0,015 | | 1,20 | |
| **8** | | | **RpEJ04A** | | **Cable laying works: manual earth excavation in limited spaces (under 1.00 m wide and up to 2.00 m deep)** | | | **m3** | | |  | | **35,200** | |
|  | | | 7124010010700 | | Carpenter | | | mh | | | 0,500 | | 17,60 | |
|  | | | 9312040019600 | | Sapater | | | mh | | | 3,400 | | 119,68 | |
|  | | | 2010102904405 | | Softwood cabinets 5x20x400 cm | | | m3 | | | 0,0014 | | 0,052 | |
|  | | | 2010102906958 | | Softwood planks 8x10x400 cm | | | m3 | | | 0,0007 | | 0,026 | |
| **9** | | | **RpEJ04B** | | **Cable laying works: earth filling, executed in horizontal layers 20-30 cm thick, watered and well tamped with a hand hammer** | | | **m3** | | |  | | **30,600** | |
|  | | | 9312040019600 | | Sapater | | | mh | | | 0,860 | | 26,316 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,100 | | 3,06 | |
| **10** | | | **TsH222A** | | **Loading soil in road transport** | | | **m3** | | |  | | **4,600** | |
|  | | | 9310060019900 | | Unskilled worker | | | mh | | | 1,110 | | 5,106 | |
| **11** | | | **TsI51A10** | | **Transporting soil with a 10 t dump truck over a distance of 10 km** | | | **t** | | |  | | **7,800** | |
|  | | | 3410540000007 | | Autobasculanta 10t | | | hr | | | 0,0571 | | 0,445 | |
| **12** | | | **34-02-003-1** | | **Execution of pipelines from polyethylene pipes: up to 2 holes/PipePVC SDR17 ⌀125** | | | **1 km** | | |  | | **0,016** | |
|  | | | 1 | | Worker | | | mh | | | 133,000 | | 2,128 | |
|  | | | 102-0097 | | Softwood lumber. Unedged beams, length 2-3.75 m, various widths, thickness 100-125 mm, grade III | | | m3 | | | 0,080 | | 0,001 | |
|  | | | 530-0182-125 | | PVC pipe SDR17 ⌀125 | | | m | | | 1 000,000 | | 16,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | *Social insurance* | | |  | | |  | |  | |
|  | | |  | | *Transport of materials* | | |  | | |  | |  | |
|  | | |  | | *Storage purchase expenses* | | |  | | |  | |  | |
|  | | |  | | *Direct expenses* | | |  | | |  | |  | |
|  | | |  | | *Overhead expenses* | | |  | | |  | |  | |
|  | | |  | | *Total with Overhead Costs* | | |  | | |  | |  | |
|  | | |  | | *Quote benefit* | | |  | | |  | |  | |
|  | | |  | | **Total Worksthe construction** | | |  | | | | | | |
| **2. Installation work** | | | | | | | | | | | | | | |
| **2.1. Completing the PT connection point** | | | | | | | | | | | | | | |
| **13** | | | **08-03-523-2** | | **Fuse, installed on insulating support, current up to 250 A** | | | **pcs** | | |  | | **3,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,230 | | 3,69 | |
|  | | | 1011964 | | Paper twine | | | kg | | | 0,002 | | 0,006 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,208 | | 0,624 | |
|  | | | 1019760 | | Electrical insulation varnish "318" | | | kg | | | 0,008 | | 0,024 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 2,000 | | 6,00 | |
|  | | | 5009619 | | Sewing thread | | | kg | | | 0,001 | | 0,003 | |
|  | | | 5429033 | | Technical grease | | | kg | | | 0,005 | | 0,015 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,020 | | 0,06 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,060 | | 0,18 | |
|  | | | 350451 | | Hydraulic presses with electric drive device | | | hr | | | 0,100 | | 0,30 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Completing the PT connection point** | | |  | | | | | | |
| **2.2. IRD-1 distribution connection installation** | | | | | | | | | | | | | | |
| **14** | | | **08-03-572-4** | | **Cabinet-type or distribution point (cabinet) execution control block, wall-mounted, height and width, mm, up to 1200х1000** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 3,490 | | 3,49 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,170 | | 0,17 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,030 | | 0,03 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 1,150 | | 1,15 | |
| **15** | | |  | | **Icon on the panel** | | | **pcs** | | |  | | **1,000** | |
|  | | | 201 | | Icon on the panel | | | pcs | | | 1,000 | | 1,00 | |
| **16** | | | **08-03-526-4** | | **Circuit breaker - mono/two/three-pole, mounted on wall or column constructions, current up to 400** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 3,610 | | 3,61 | |
|  | | | 1011964 | | Paper twine | | | kg | | | 0,007 | | 0,007 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,576 | | 0,576 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,014 | | 0,014 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 1,220 | | 1,22 | |
|  | | | 1019760 | | Electrical insulation varnish "318" | | | kg | | | 0,026 | | 0,026 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,066 | | 0,066 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 6,100 | | 6,10 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 1,000 | | 1,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,02 | |
|  | | | 5009619 | | Sewing thread | | | kg | | | 0,004 | | 0,004 | |
|  | | | 5429033 | | Technical grease | | | kg | | | 0,018 | | 0,018 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,066 | | 0,066 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,130 | | 0,13 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,040 | | 0,04 | |
|  | | | 350451 | | Hydraulic presses with electric drive device | | | hr | | | 0,320 | | 0,32 | |
| **17** | | | **08-03-526-3** | | **Circuit breaker - mono/two/three-pole, mounted on wall or column constructions, current up to 250** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 2,760 | | 2,76 | |
|  | | | 1011964 | | Paper twine | | | kg | | | 0,004 | | 0,004 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,431 | | 0,431 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,014 | | 0,014 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 1,220 | | 1,22 | |
|  | | | 1019760 | | Electrical insulation varnish "318" | | | kg | | | 0,016 | | 0,016 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,047 | | 0,047 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 6,100 | | 6,10 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 1,000 | | 1,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,02 | |
|  | | | 5009619 | | Sewing thread | | | kg | | | 0,002 | | 0,002 | |
|  | | | 5429033 | | Technical grease | | | kg | | | 0,009 | | 0,009 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,042 | | 0,042 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,130 | | 0,13 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,040 | | 0,04 | |
|  | | | 350451 | | Hydraulic presses with electric drive device | | | hr | | | 0,230 | | 0,23 | |
| **18** | | | **08-03-526-2** | | **Circuit breaker - mono/two/three-pole, mounted on wall or column constructions, current up to 100** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 2,320 | | 2,32 | |
|  | | | 1011964 | | Paper twine | | | kg | | | 0,004 | | 0,004 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,380 | | 0,38 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,014 | | 0,014 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 1,220 | | 1,22 | |
|  | | | 1019760 | | Electrical insulation varnish "318" | | | kg | | | 0,014 | | 0,014 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,047 | | 0,047 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 6,100 | | 6,10 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 1,000 | | 1,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,02 | |
|  | | | 5009619 | | Sewing thread | | | kg | | | 0,002 | | 0,002 | |
|  | | | 5429033 | | Technical grease | | | kg | | | 0,009 | | 0,009 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,036 | | 0,036 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,130 | | 0,13 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,040 | | 0,04 | |
|  | | | 350451 | | Hydraulic presses with electric drive device | | | hr | | | 0,200 | | 0,20 | |
| **19** | | | **08-03-526-1** | | **Circuit breaker - mono/two/three-pole, mounted on wall or column constructions, current up to 25 A** | | | **pcs** | | |  | | **3,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,560 | | 4,68 | |
|  | | | 1011964 | | Paper twine | | | kg | | | 0,001 | | 0,003 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,049 | | 0,147 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,014 | | 0,042 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 1,220 | | 3,66 | |
|  | | | 1019760 | | Electrical insulation varnish "318" | | | kg | | | 0,006 | | 0,018 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,036 | | 0,108 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 6,100 | | 18,30 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 1,000 | | 3,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,06 | |
|  | | | 5009619 | | Sewing thread | | | kg | | | 0,001 | | 0,003 | |
|  | | | 5429033 | | Technical grease | | | kg | | | 0,006 | | 0,018 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,012 | | 0,036 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,130 | | 0,39 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,040 | | 0,12 | |
| **20** | | | **08-01-061-1** | | **Safety device / surge arrester** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,130 | | 1,13 | |
|  | | | 1011641 | | steel angle, equal edges, brand "ВСт3кп2" dimensions 50х50х5 mm | | | t | | | 0,0021 | | 0,002 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,140 | | 0,14 | |
| **21** | | | **08-03-575-1** | | **Device: DIN rail, N/PE** | | | **pcs** | | |  | | **4,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,120 | | 4,48 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,020 | | 0,08 | |
| **22** | | | **08-01-068-1** | | **Prefabricated bars - section up to 250 mm2** | | | **100 m** | | |  | | **0,030** | |
|  | | | 1 | | Worker | | | mh | | | 52,500 | | 1,575 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 2,880 | | 0,086 | |
|  | | | 1019852 | | Paint | | | kg | | | 1,740 | | 0,052 | |
|  | | | 1019924 | | Spring washers | | | t | | | 0,00012 | | 0,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,102 | | 0,003 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 1,960 | | 0,059 | |
|  | | | 331002 | | Drilling machines | | | hr | | | 1,000 | | 0,03 | |
| **23** | | |  | | **600A copper busbar** | | | **m** | | |  | | **3,000** | |
|  | | | 60023 | | 600A copper busbar | | | m | | | 1,000 | | 3,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total IRD-1 distribution connection installation** | | |  | | | | | | |
| **2.3. PD-1 distribution panel** | | | | | | | | | | | | | | |
| **24** | | | **08-03-572-4** | | **Cabinet-type or distribution point (cabinet) execution control block, wall-mounted, height and width, mm, up to 1200х1000** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 3,490 | | 3,49 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,170 | | 0,17 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,030 | | 0,03 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 1,150 | | 1,15 | |
| **25** | | |  | | **Icon on the panel** | | | **pcs** | | |  | | **1,000** | |
|  | | | 201 | | Icon on the panel | | | pcs | | | 1,000 | | 1,00 | |
| **26** | | | **08-03-526-2** | | **Circuit breaker - mono/two/three-pole, mounted on wall or column constructions, current up to 100** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 2,320 | | 2,32 | |
|  | | | 1011964 | | Paper twine | | | kg | | | 0,004 | | 0,004 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,380 | | 0,38 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,014 | | 0,014 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 1,220 | | 1,22 | |
|  | | | 1019760 | | Electrical insulation varnish "318" | | | kg | | | 0,014 | | 0,014 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,047 | | 0,047 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 6,100 | | 6,10 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 1,000 | | 1,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,02 | |
|  | | | 5009619 | | Sewing thread | | | kg | | | 0,002 | | 0,002 | |
|  | | | 5429033 | | Technical grease | | | kg | | | 0,009 | | 0,009 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,036 | | 0,036 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,130 | | 0,13 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,040 | | 0,04 | |
|  | | | 350451 | | Hydraulic presses with electric drive device | | | hr | | | 0,200 | | 0,20 | |
| **27** | | | **08-03-526-1** | | **Circuit breaker - mono/two/three-pole, mounted on wall or column constructions, current up to 25 A** | | | **pcs** | | |  | | **21,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,560 | | 32,76 | |
|  | | | 1011964 | | Paper twine | | | kg | | | 0,001 | | 0,021 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,049 | | 1,029 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,014 | | 0,294 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 1,220 | | 25,62 | |
|  | | | 1019760 | | Electrical insulation varnish "318" | | | kg | | | 0,006 | | 0,126 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,036 | | 0,756 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 6,100 | | 128,10 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 1,000 | | 21,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,42 | |
|  | | | 5009619 | | Sewing thread | | | kg | | | 0,001 | | 0,021 | |
|  | | | 5429033 | | Technical grease | | | kg | | | 0,006 | | 0,126 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,012 | | 0,252 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,130 | | 2,73 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,040 | | 0,84 | |
| **28** | | | **08-03-529-4** | | **AC contactor on construction sites, current up to 400 A** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 5,940 | | 5,94 | |
|  | | | 1011964 | | Paper twine | | | kg | | | 0,009 | | 0,009 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,576 | | 0,576 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,014 | | 0,014 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 1,220 | | 1,22 | |
|  | | | 1019760 | | Electrical insulation varnish "318" | | | kg | | | 0,029 | | 0,029 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,066 | | 0,066 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 6,100 | | 6,10 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 1,000 | | 1,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,02 | |
|  | | | 5009502 | | Extremity plugs | | | 100 pcs | | | 0,031 | | 0,031 | |
|  | | | 5009619 | | Sewing thread | | | kg | | | 0,005 | | 0,005 | |
|  | | | 5429033 | | Technical grease | | | kg | | | 0,051 | | 0,051 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,076 | | 0,076 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,160 | | 0,16 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,140 | | 0,14 | |
|  | | | 350451 | | Hydraulic presses with electric drive device | | | hr | | | 0,380 | | 0,38 | |
| **29** | | | **08-03-529-3** | | **AC contactor on construction sites, current up to 160 A** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 3,960 | | 3,96 | |
|  | | | 1011964 | | Paper twine | | | kg | | | 0,007 | | 0,007 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,526 | | 0,526 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,014 | | 0,014 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 1,220 | | 1,22 | |
|  | | | 1019760 | | Electrical insulation varnish "318" | | | kg | | | 0,027 | | 0,027 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,047 | | 0,047 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 6,100 | | 6,10 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 1,000 | | 1,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,02 | |
|  | | | 5009502 | | Extremity plugs | | | 100 pcs | | | 0,031 | | 0,031 | |
|  | | | 5009619 | | Sewing thread | | | kg | | | 0,004 | | 0,004 | |
|  | | | 5429033 | | Technical grease | | | kg | | | 0,048 | | 0,048 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,066 | | 0,066 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,140 | | 0,14 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,120 | | 0,12 | |
|  | | | 350451 | | Hydraulic presses with electric drive device | | | hr | | | 0,290 | | 0,29 | |
| **30** | | | **08-03-575-1** | | **Device: DIN rail, N/PE** | | | **pcs** | | |  | | **5,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,120 | | 5,60 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,020 | | 0,10 | |
| **31** | | | **08-01-068-1** | | **Prefabricated bars - section up to 250 mm2** | | | **100 m** | | |  | | **0,020** | |
|  | | | 1 | | Worker | | | mh | | | 52,500 | | 1,05 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 2,880 | | 0,058 | |
|  | | | 1019852 | | Paint | | | kg | | | 1,740 | | 0,035 | |
|  | | | 1019924 | | Spring washers | | | t | | | 0,00012 | | 0,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,102 | | 0,002 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 1,960 | | 0,039 | |
|  | | | 331002 | | Drilling machines | | | hr | | | 1,000 | | 0,02 | |
| **32** | | |  | | **100A copper busbar** | | | **m** | | |  | | **2,000** | |
|  | | | 60024 | | 100A copper busbar | | | m | | | 1,000 | | 2,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Distribution panel PD-1** | | |  | | | | | | |
| **2.4. PDV-1 ventilation distribution panel** | | | | | | | | | | | | | | |
| **33** | | | **08-03-526-3** | | **Circuit breaker - mono/two/three-pole, mounted on wall or column constructions, current up to 250** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 2,760 | | 2,76 | |
|  | | | 1011964 | | Paper twine | | | kg | | | 0,004 | | 0,004 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,431 | | 0,431 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,014 | | 0,014 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 1,220 | | 1,22 | |
|  | | | 1019760 | | Electrical insulation varnish "318" | | | kg | | | 0,016 | | 0,016 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,047 | | 0,047 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 6,100 | | 6,10 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 1,000 | | 1,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,02 | |
|  | | | 5009619 | | Sewing thread | | | kg | | | 0,002 | | 0,002 | |
|  | | | 5429033 | | Technical grease | | | kg | | | 0,009 | | 0,009 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,042 | | 0,042 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,130 | | 0,13 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,040 | | 0,04 | |
|  | | | 350451 | | Hydraulic presses with electric drive device | | | hr | | | 0,230 | | 0,23 | |
| **34** | | | **08-03-526-2** | | **Circuit breaker - mono/two/three-pole, mounted on wall or column constructions, current up to 100** | | | **pcs** | | |  | | **6,000** | |
|  | | | 1 | | Worker | | | mh | | | 2,320 | | 13,92 | |
|  | | | 1011964 | | Paper twine | | | kg | | | 0,004 | | 0,024 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,380 | | 2,28 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,014 | | 0,084 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 1,220 | | 7,32 | |
|  | | | 1019760 | | Electrical insulation varnish "318" | | | kg | | | 0,014 | | 0,084 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,047 | | 0,282 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 6,100 | | 36,60 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 1,000 | | 6,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,12 | |
|  | | | 5009619 | | Sewing thread | | | kg | | | 0,002 | | 0,012 | |
|  | | | 5429033 | | Technical grease | | | kg | | | 0,009 | | 0,054 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,036 | | 0,216 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,130 | | 0,78 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,040 | | 0,24 | |
|  | | | 350451 | | Hydraulic presses with electric drive device | | | hr | | | 0,200 | | 1,20 | |
| **35** | | | **08-03-526-1** | | **Circuit breaker - mono/two/three-pole, mounted on wall or column constructions, current up to 25 A** | | | **pcs** | | |  | | **12,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,560 | | 18,72 | |
|  | | | 1011964 | | Paper twine | | | kg | | | 0,001 | | 0,012 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,049 | | 0,588 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,014 | | 0,168 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 1,220 | | 14,64 | |
|  | | | 1019760 | | Electrical insulation varnish "318" | | | kg | | | 0,006 | | 0,072 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,036 | | 0,432 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 6,100 | | 73,20 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 1,000 | | 12,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,24 | |
|  | | | 5009619 | | Sewing thread | | | kg | | | 0,001 | | 0,012 | |
|  | | | 5429033 | | Technical grease | | | kg | | | 0,006 | | 0,072 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,012 | | 0,144 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,130 | | 1,56 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,040 | | 0,48 | |
| **36** | | | **08-03-529-4** | | **AC contactor on construction sites, current up to 400 A** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 5,940 | | 5,94 | |
|  | | | 1011964 | | Paper twine | | | kg | | | 0,009 | | 0,009 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,576 | | 0,576 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,014 | | 0,014 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 1,220 | | 1,22 | |
|  | | | 1019760 | | Electrical insulation varnish "318" | | | kg | | | 0,029 | | 0,029 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,066 | | 0,066 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 6,100 | | 6,10 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 1,000 | | 1,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,02 | |
|  | | | 5009502 | | Extremity plugs | | | 100 pcs | | | 0,031 | | 0,031 | |
|  | | | 5009619 | | Sewing thread | | | kg | | | 0,005 | | 0,005 | |
|  | | | 5429033 | | Technical grease | | | kg | | | 0,051 | | 0,051 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,076 | | 0,076 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,160 | | 0,16 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,140 | | 0,14 | |
|  | | | 350451 | | Hydraulic presses with electric drive device | | | hr | | | 0,380 | | 0,38 | |
| **37** | | | **08-03-575-1** | | **Device: DIN rail, N/PE** | | | **pcs** | | |  | | **7,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,120 | | 7,84 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,020 | | 0,14 | |
| **38** | | | **08-01-068-1** | | **Prefabricated bars - section up to 250 mm2** | | | **100 m** | | |  | | **0,020** | |
|  | | | 1 | | Worker | | | mh | | | 52,500 | | 1,05 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 2,880 | | 0,058 | |
|  | | | 1019852 | | Paint | | | kg | | | 1,740 | | 0,035 | |
|  | | | 1019924 | | Spring washers | | | t | | | 0,00012 | | 0,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,102 | | 0,002 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 1,960 | | 0,039 | |
|  | | | 331002 | | Drilling machines | | | hr | | | 1,000 | | 0,02 | |
| **39** | | |  | | **400A copper busbar** | | | **m** | | |  | | **2,000** | |
|  | | | 60025 | | 400A copper busbar | | | m | | | 1,000 | | 2,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Ventilation distribution panel PDV-1** | | |  | | | | | | |
| **2.5. PDA distribution panel** | | | | | | | | | | | | | | |
| **40** | | | **08-03-526-2** | | **Circuit breaker - mono/two/three-pole, mounted on wall or column constructions, current up to 100** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 2,320 | | 2,32 | |
|  | | | 1011964 | | Paper twine | | | kg | | | 0,004 | | 0,004 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,380 | | 0,38 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,014 | | 0,014 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 1,220 | | 1,22 | |
|  | | | 1019760 | | Electrical insulation varnish "318" | | | kg | | | 0,014 | | 0,014 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,047 | | 0,047 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 6,100 | | 6,10 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 1,000 | | 1,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,02 | |
|  | | | 5009619 | | Sewing thread | | | kg | | | 0,002 | | 0,002 | |
|  | | | 5429033 | | Technical grease | | | kg | | | 0,009 | | 0,009 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,036 | | 0,036 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,130 | | 0,13 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,040 | | 0,04 | |
|  | | | 350451 | | Hydraulic presses with electric drive device | | | hr | | | 0,200 | | 0,20 | |
| **41** | | | **08-03-526-1** | | **Circuit breaker - mono/two/three-pole, mounted on wall or column constructions, current up to 25 A** | | | **pcs** | | |  | | **6,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,560 | | 9,36 | |
|  | | | 1011964 | | Paper twine | | | kg | | | 0,001 | | 0,006 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,049 | | 0,294 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,014 | | 0,084 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 1,220 | | 7,32 | |
|  | | | 1019760 | | Electrical insulation varnish "318" | | | kg | | | 0,006 | | 0,036 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,036 | | 0,216 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 6,100 | | 36,60 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 1,000 | | 6,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,12 | |
|  | | | 5009619 | | Sewing thread | | | kg | | | 0,001 | | 0,006 | |
|  | | | 5429033 | | Technical grease | | | kg | | | 0,006 | | 0,036 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,012 | | 0,072 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,130 | | 0,78 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,040 | | 0,24 | |
| **42** | | | **08-03-575-1** | | **Device: DIN rail, N/PE** | | | **pcs** | | |  | | **3,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,120 | | 3,36 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,020 | | 0,06 | |
| **43** | | | **08-01-068-1** | | **Prefabricated bars - section up to 250 mm2** | | | **100 m** | | |  | | **0,020** | |
|  | | | 1 | | Worker | | | mh | | | 52,500 | | 1,05 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 2,880 | | 0,058 | |
|  | | | 1019852 | | Paint | | | kg | | | 1,740 | | 0,035 | |
|  | | | 1019924 | | Spring washers | | | t | | | 0,00012 | | 0,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,102 | | 0,002 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 1,960 | | 0,039 | |
|  | | | 331002 | | Drilling machines | | | hr | | | 1,000 | | 0,02 | |
| **44** | | |  | | **100A copper busbar** | | | **m** | | |  | | **2,000** | |
|  | | | 60024 | | 100A copper busbar | | | m | | | 1,000 | | 2,00 | |
| **45** | | |  | | **Icon on the panel** | | | **pcs** | | |  | | **1,000** | |
|  | | | 201 | | Icon on the panel | | | pcs | | | 1,000 | | 1,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total PDA distribution panel** | | |  | | | | | | |
| **2.6. Junction box** | | | | | | | | | | | | | | |
| **46** | | | **08-03-572-3** | | **Cabinet-type or distribution point (cabinet) execution control block, wall-mounted, height and width, mm, up to 600х600** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 2,320 | | 2,32 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,170 | | 0,17 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,030 | | 0,03 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,770 | | 0,77 | |
| **47** | | |  | | **Icon on the panel** | | | **pcs** | | |  | | **1,000** | |
|  | | | 201 | | Icon on the panel | | | pcs | | | 1,000 | | 1,00 | |
| **48** | | |  | | **DIN rail connection terminal** | | | **pcs** | | |  | | **12,000** | |
|  | | | 60048 | | DIN rail connection terminal | | | pcs | | | 1,000 | | 12,00 | |
| **49** | | |  | | **DIN rail end clamp** | | | **pcs** | | |  | | **2,000** | |
|  | | | 60049 | | DIN rail end clamp | | | pcs | | | 1,000 | | 2,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Junction box** | | |  | | | | | | |
| **2.7. Cable set** | | | | | | | | | | | | | | |
| **50** | | | **08-02-145-4** | | **Cable up to 35 kV, laid on the bottom of the channel without fixings, mass 1 m up to: 6 kg** | | | **100 m** | | |  | | **0,450** | |
|  | | | 1 | | Worker | | | mh | | | 12,800 | | 5,76 | |
|  | | | 1010813 | | Low carbon steel wire for various purposes, galvanized, diameter 3.0 mm | | | t | | | 0,00004 | | 0,00 | |
|  | | | 1011786 | | Bitumen lake "BT-123" | | | t | | | 0,00006 | | 0,00 | |
|  | | | 5009101 | | Mounting buttons | | | 1000 pcs | | | 0,00832 | | 0,004 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,040 | | 0,018 | |
|  | | | 5009623 | | Band "K226" | | | 100 m | | | 0,096 | | 0,043 | |
|  | | | 5220077 | | Tin-lead alloys without antimony, brand "ПОС30" | | | kg | | | 0,500 | | 0,225 | |
| **51** | | | **08-02-148-4** | | **Cable up to 35 kV in pipes, blocks and laid boxes, mass 1 m up to: 6 kg** | | | **100 m** | | |  | | **0,160** | |
|  | | | 1 | | Worker | | | mh | | | 28,800 | | 4,608 | |
|  | | | 1010813 | | Low carbon steel wire for various purposes, galvanized, diameter 3.0 mm | | | t | | | 0,00004 | | 0,00 | |
|  | | | 1011786 | | Bitumen lake "BT-123" | | | t | | | 0,00006 | | 0,00 | |
|  | | | 5009101 | | Mounting buttons | | | 1000 pcs | | | 0,00832 | | 0,001 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,0041 | | 0,001 | |
|  | | | 5009623 | | Band "K226" | | | 100 m | | | 0,0096 | | 0,002 | |
|  | | | 5220077 | | Tin-lead alloys without antimony, brand "ПОС30" | | | kg | | | 0,500 | | 0,08 | |
| **52** | | |  | | **Armored cable with aluminum wires with double insulation АПвБбШп 4x240 mm2** | | | **m** | | |  | | **61,000** | |
|  | | | 600APvBbSp-4x240 | | Armored cable with aluminum wires with double insulation АПвБбШп 4x240 mm2 | | | m | | | 1,000 | | 61,00 | |
| **53** | | | **08-02-143-1** | | **Cable covering, laid in trenches: with brick of a single cable** | | | **100 m** | | |  | | **0,610** | |
|  | | | 1 | | Worker | | | mh | | | 6,510 | | 3,971 | |
| **54** | | |  | | **brick 205x100x50** | | | **pcs** | | |  | | **460,000** | |
|  | | | 600brick | | brick 205x100x50 | | | pcs | | | 1,000 | | 460,00 | |
| **55** | | | **08-02-142-1** | | **Execution of the bed for a single cable in trenches** | | | **100 m** | | |  | | **0,610** | |
|  | | | 1 | | Worker | | | mh | | | 6,630 | | 4,044 | |
| **56** | | |  | | **Sifted sand** | | | **m3** | | |  | | **4,600** | |
|  | | | 600nisip | | Sifted sand | | | m3 | | | 1,000 | | 4,60 | |
| **57** | | | **08-02-147-13** | | **Cable up to 35 kV on installed structures and gutters, with fastening along the entire length, mass of 1 m of cable, up to: 6 kg** | | | **100 m** | | |  | | **0,490** | |
|  | | | 1 | | Worker | | | mh | | | 37,100 | | 18,179 | |
|  | | | 1010813 | | Low carbon steel wire for various purposes, galvanized, diameter 3.0 mm | | | t | | | 0,0001 | | 0,00 | |
|  | | | 1011481 | | Round head screws 4х40 mm | | | t | | | 0,00062 | | 0,00 | |
|  | | | 1011786 | | Bitumen lake "BT-123" | | | t | | | 0,00072 | | 0,00 | |
|  | | | 5009031 | | clamp | | | 10 pcs | | | 10,200 | | 4,998 | |
|  | | | 5009101 | | Mounting buttons | | | 1000 pcs | | | 0,0208 | | 0,01 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,010 | | 0,005 | |
|  | | | 5009623 | | Band "K226" | | | 100 m | | | 0,0245 | | 0,012 | |
|  | | | 5220077 | | Tin-lead alloys without antimony, brand "ПОС30" | | | kg | | | 0,250 | | 0,122 | |
| **58** | | |  | | **Fire-resistant double insulated copper wire cable N2XH-J 5x95 mm2** | | | **m** | | |  | | **49,000** | |
|  | | | 600N2XH-J-5x95 | | Fire-resistant double insulated copper wire cable N2XH-J 5x95 mm2 | | | m | | | 1,000 | | 49,00 | |
| **59** | | | **08-02-412-5** | | **Insertion of conductors into pipes and hoses: total cross-section up to 70 mm2** | | | **100 m** | | |  | | **3,140** | |
|  | | | 1 | | Worker | | | mh | | | 14,600 | | 45,844 | |
|  | | | 1011764 | | Fine talc, cat. I | | | t | | | 0,00126 | | 0,004 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,020 | | 0,063 | |
|  | | | 5009041 | | Stringing device - branching | | | 100 pcs | | | 0,310 | | 0,973 | |
|  | | | 5009056 | | Insulation caps | | | 10 pcs | | | 0,800 | | 2,512 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 12,200 | | 38,308 | |
|  | | | 5009140 | | Connection plugs | | | 100 pcs | | | 0,050 | | 0,157 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,063 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,400 | | 1,256 | |
| **60** | | |  | | **Fire-resistant double insulated copper wire cable N2XH-J 5x10 mm2** | | | **m** | | |  | | **314,000** | |
|  | | | 600N2XH-J-5x10 | | Fire-resistant double insulated copper wire cable N2XH-J 5x10 mm2 | | | m | | | 1,000 | | 314,00 | |
| **61** | | | **08-02-412-4** | | **Insertion of conductors into pipes and hoses: total cross-section up to 35 mm2** | | | **100 m** | | |  | | **5,650** | |
|  | | | 1 | | Worker | | | mh | | | 11,200 | | 63,28 | |
|  | | | 1011764 | | Fine talc, cat. I | | | t | | | 0,00116 | | 0,007 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,020 | | 0,113 | |
|  | | | 5009041 | | Stringing device - branching | | | 100 pcs | | | 0,310 | | 1,752 | |
|  | | | 5009056 | | Insulation caps | | | 10 pcs | | | 0,800 | | 4,52 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 12,200 | | 68,93 | |
|  | | | 5009140 | | Connection plugs | | | 100 pcs | | | 0,050 | | 0,282 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,113 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,320 | | 1,808 | |
| **62** | | |  | | **Fire-resistant double insulated copper wire cable N2XH-J 5x6 mm2** | | | **m** | | |  | | **160,000** | |
|  | | | 600N2XH-J-5x6 | | Fire-resistant double insulated copper wire cable N2XH-J 5x6 mm2 | | | m | | | 1,000 | | 160,00 | |
| **63** | | |  | | **Fire-resistant double insulated copper wire cable N2XH-J 5x4 mm2** | | | **m** | | |  | | **55,000** | |
|  | | | 600N2XH-J-5x4 | | Fire-resistant double insulated copper wire cable N2XH-J 5x4 mm2 | | | m | | | 1,000 | | 55,00 | |
| **64** | | |  | | **Fire-resistant, low-flammability, double-insulated copper wire cable N2XH-FE 5x4 mm2** | | | **m** | | |  | | **50,000** | |
|  | | | 600N2XH-FE-5x4 | | Fire-resistant, low-flammability, double-insulated copper wire cable N2XH-FE 5x4 mm2 | | | m | | | 1,000 | | 50,00 | |
| **65** | | |  | | **electric wire PV3 1x25 mm2** | | | **m** | | |  | | **300,000** | |
|  | | | 600PV3-1x25 | | electric wire PV3 1x25 mm2 | | | m | | | 1,000 | | 300,00 | |
| **66** | | | **08-02-412-3** | | **Insertion of conductors into pipes and hoses: total cross-section up to 16 mm2** | | | **100 m** | | |  | | **11,670** | |
|  | | | 1 | | Worker | | | mh | | | 7,860 | | 91,726 | |
|  | | | 1011764 | | Fine talc, cat. I | | | t | | | 0,00105 | | 0,012 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,020 | | 0,233 | |
|  | | | 5009041 | | Stringing device - branching | | | 100 pcs | | | 0,310 | | 3,618 | |
|  | | | 5009056 | | Insulation caps | | | 10 pcs | | | 0,800 | | 9,336 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 12,200 | | 142,374 | |
|  | | | 5009140 | | Connection plugs | | | 100 pcs | | | 0,050 | | 0,584 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,233 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,320 | | 3,734 | |
| **67** | | |  | | **Fire-resistant double insulated copper wire cable N2XH-J 5x2.5 mm2** | | | **m** | | |  | | **160,000** | |
|  | | | 600N2XH-J-5x2.5 | | Fire-resistant double insulated copper wire cable N2XH-J 5x2.5 mm2 | | | m | | | 1,000 | | 160,00 | |
| **68** | | |  | | **Fire-resistant double insulated copper wire cable N2XH-J 5x1.5 mm2** | | | **m** | | |  | | **33,000** | |
|  | | | 600N2XH-J-5x1.5 | | Fire-resistant double insulated copper wire cable N2XH-J 5x1.5 mm2 | | | m | | | 1,000 | | 33,00 | |
| **69** | | |  | | **Fire-resistant double insulated copper wire cable N2XH-J 3x2.5 mm2** | | | **m** | | |  | | **759,000** | |
|  | | | 600N2XH-J-3x2.5 | | Fire-resistant double insulated copper wire cable N2XH-J 3x2.5 mm2 | | | m | | | 1,000 | | 759,00 | |
| **70** | | |  | | **Fire-resistant double insulated copper wire cable N2XH-J 10x1.5 mm2** | | | **m** | | |  | | **121,000** | |
|  | | | 600N2XH-J-10x1.5 | | Fire-resistant double insulated copper wire cable N2XH-J 10x1.5 mm2 | | | m | | | 1,000 | | 121,00 | |
| **71** | | |  | | **Fire-resistant, low-flammability, double-insulated copper wire cable N2XH-FE 3x2.5 mm2** | | | **m** | | |  | | **44,000** | |
|  | | | 600N2XH-FE-3x2.5 | | Fire-resistant, low-flammability, double-insulated copper wire cable N2XH-FE 3x2.5 mm2 | | | m | | | 1,000 | | 44,00 | |
| **72** | | |  | | **electric wire PV3 1x10 mm2** | | | **m** | | |  | | **50,000** | |
|  | | | 600PV3-1x10 | | electric wire PV3 1x10 mm2 | | | m | | | 1,000 | | 50,00 | |
| **73** | | | **08-02-412-2** | | **Insertion of conductors into pipes and hoses: total cross-section up to 6 mm2** | | | **100 m** | | |  | | **15,490** | |
|  | | | 1 | | Worker | | | mh | | | 6,740 | | 104,403 | |
|  | | | 1011764 | | Fine talc, cat. I | | | t | | | 0,0006 | | 0,009 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,020 | | 0,31 | |
|  | | | 5009041 | | Stringing device - branching | | | 100 pcs | | | 0,310 | | 4,802 | |
|  | | | 5009056 | | Insulation caps | | | 10 pcs | | | 0,800 | | 12,392 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 12,200 | | 188,978 | |
|  | | | 5009140 | | Connection plugs | | | 100 pcs | | | 0,050 | | 0,774 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,31 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,160 | | 2,478 | |
| **74** | | |  | | **Fire-resistant double insulated copper wire cable N2XH-J 3x1.5 mm2** | | | **m** | | |  | | **1 166,000** | |
|  | | | 600N2XH-J-3x1.5 | | Fire-resistant double insulated copper wire cable N2XH-J 3x1.5 mm2 | | | m | | | 1,000 | | 1 166,00 | |
| **75** | | |  | | **Fire-resistant double insulated copper wire cable N2XH-J 2x1.5 mm2** | | | **m** | | |  | | **73,000** | |
|  | | | 600N2XH-J-2x1.5 | | Fire-resistant double insulated copper wire cable N2XH-J 2x1.5 mm2 | | | m | | | 1,000 | | 73,00 | |
| **76** | | |  | | **Fire-resistant, low-flammability, double-insulated copper wire cable N2XH-FE 3x1.5 mm2** | | | **m** | | |  | | **210,000** | |
|  | | | 600N2XH-FE-3x1.5 | | Fire-resistant, low-flammability, double-insulated copper wire cable N2XH-FE 3x1.5 mm2 | | | m | | | 1,000 | | 210,00 | |
| **77** | | |  | | **electric wire PV3 1x6 mm2** | | | **m** | | |  | | **50,000** | |
|  | | | 600PV3-1x6 | | electric wire PV3 1x6 mm2 | | | m | | | 1,000 | | 50,00 | |
| **78** | | |  | | **electric wire PV3 1x4 mm2** | | | **m** | | |  | | **50,000** | |
|  | | | 600PV3-1x4 | | electric wire PV3 1x4 mm2 | | | m | | | 1,000 | | 50,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Cable set** | | |  | | | | | | |
| **2.8. Lighting fixtures** | | | | | | | | | | | | | | |
| **79** | | | **08-03-594-13** | | **Luminescent luminaire in suspended ceilings, mounted on section, quantity of lamps, in luminaire, 2 / FIDI-19** | | | **100 pcs** | | |  | | **0,220** | |
|  | | | 1 | | Worker | | | mh | | | 221,000 | | 48,62 | |
|  | | | 1011755 | | steel, quenched and tempered, brand "Ст3сп", width 50-200 mm, thickness 4-5 mm | | | t | | | 0,150 | | 0,033 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 10,400 | | 2,288 | |
|  | | | 1019852 | | Paint | | | kg | | | 3,000 | | 0,66 | |
|  | | | 5009089 | | Perforated mounting profile | | | pcs | | | 120,000 | | 26,40 | |
|  | | | 5009101 | | Mounting buttons | | | 1000 pcs | | | 0,053 | | 0,012 | |
|  | | | 5009623 | | Band "K226" | | | 100 m | | | 0,100 | | 0,022 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,420 | | 0,092 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 1,780 | | 0,392 | |
| **80** | | | **08-03-593-7** | | **Lighting fixture for ceiling or wall recessed lamps with screw fixing for rooms with normal environmental conditions, two-lamp / LINETA-04, FIPAD, ARIA, anti-panic spotlight** | | | **100 pcs** | | |  | | **0,920** | |
|  | | | 1 | | Worker | | | mh | | | 97,600 | | 89,792 | |
|  | | | 1010115 | | Pan head screws, length 50 mm | | | t | | | 0,00306 | | 0,003 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 4,080 | | 3,754 | |
|  | | | 5009041 | | Stringing device - branching | | | 100 pcs | | | 2,040 | | 1,877 | |
|  | | | 5009129 | | Ceiling socket | | | 100 pcs | | | 1,020 | | 0,938 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,310 | | 0,285 | |
|  | | | 330206 | | Electric drills | | | hr | | | 25,600 | | 23,552 | |
| **81** | | | **08-03-593-10** | | **Wall lighting indicators** | | | **100 pcs** | | |  | | **0,090** | |
|  | | | 1 | | Worker | | | mh | | | 98,200 | | 8,838 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 4,080 | | 0,367 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,210 | | 0,019 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 25,600 | | 2,304 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Lighting fixtures** | | |  | | | | | | |
| **2.9. Socket and switches** | | | | | | | | | | | | | | |
| **82** | | | **10-06-037-08** | | **Boxes, boxes and sockets for pipe installations: Junction box or socket, size, mm, up to: 200х200** | | | **pcs** | | |  | | **6,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,090 | | 6,54 | |
|  | | | 1011521 | | "E42" electrodes, diameter 5 mm | | | t | | | 0,00004 | | 0,00 | |
|  | | | 1130211 | | Protective enamel "EP-140" | | | t | | | 0,00001 | | 0,00 | |
| **83** | | |  | | **Stainless steel floor hatch for KSE0/23/72 IP66 socket - 45x45 mm or similar** | | | **pcs** | | |  | | **6,000** | |
|  | | | 600KSE0/23/72 | | Stainless steel floor hatch for KSE0/23/72 IP66 socket - 45x45 mm | | | pcs | | | 1,000 | | 6,00 | |
| **84** | | | **08-03-591-9** | | **Flush-Mounted Socket Outlet for Concealed Wiring** | | | **100 pcs** | | |  | | **0,350** | |
|  | | | 1 | | Worker | | | mh | | | 38,100 | | 13,335 | |
|  | | | 1010219 | | Gypsum binders "G-3" | | | t | | | 0,00315 | | 0,001 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 1,500 | | 0,525 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 102,000 | | 35,70 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,420 | | 0,147 | |
| **85** | | |  | | **Indoor socket for mounting in hatch 45x45 mm 16A 2P+PE IP40** | | | **pcs** | | |  | | **6,000** | |
|  | | | 60060 | | Indoor socket for mounting in hatch 45x45 mm 16A 2P+PE IP40 | | | pcs | | | 1,000 | | 6,00 | |
| **86** | | |  | | **Indoor recessed socket 16A 2P+PE IP40** | | | **pcs** | | |  | | **29,000** | |
|  | | | 60061 | | Indoor recessed socket 16A 2P+PE IP40 | | | pcs | | | 1,000 | | 29,00 | |
| **87** | | | **08-03-591-8** | | **Surface-Mounted Socket Outlet for Concealed Wiring** | | | **100 pcs** | | |  | | **0,380** | |
|  | | | 1 | | Worker | | | mh | | | 43,200 | | 16,416 | |
|  | | | 1011477 | | Round head screws 2.5x20 mm | | | t | | | 0,00016 | | 0,00 | |
|  | | | 1011481 | | Round head screws 4х40 mm | | | t | | | 0,0003 | | 0,00 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 1,020 | | 0,388 | |
|  | | | 5009126 | | Rosette plate | | | 100 pcs | | | 1,030 | | 0,391 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,110 | | 0,042 | |
|  | | | 330206 | | Electric drills | | | hr | | | 6,400 | | 2,432 | |
| **88** | | |  | | **Applicable socket 16A 2P+PE IP66** | | | **pcs** | | |  | | **38,000** | |
|  | | | 60063 | | Applicable socket 16A 2P+PE IP66 | | | pcs | | | 1,000 | | 38,00 | |
| **89** | | | **08-03-591-2** | | **Single-lever switch, buried type, for closed installation** | | | **100 pcs** | | |  | | **0,110** | |
|  | | | 1 | | Worker | | | mh | | | 32,200 | | 3,542 | |
|  | | | 1010219 | | Gypsum binders "G-3" | | | t | | | 0,00315 | | 0,00 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 102,000 | | 11,22 | |
| **90** | | |  | | **Switch with a flap** | | | **pcs** | | |  | | **11,000** | |
|  | | | 60065 | | Switch with a flap | | | pcs | | | 1,000 | | 11,00 | |
| **91** | | | **08-03-591-5** | | **Three-way switch, non-buried type, for closed installation** | | | **100 pcs** | | |  | | **0,010** | |
|  | | | 1 | | Worker | | | mh | | | 32,800 | | 0,328 | |
|  | | | 1010219 | | Gypsum binders "G-3" | | | t | | | 0,00315 | | 0,00 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 102,000 | | 1,02 | |
| **92** | | |  | | **3-way switch** | | | **pcs** | | |  | | **1,000** | |
|  | | | 60067 | | 3-way switch | | | pcs | | | 1,000 | | 1,00 | |
| **93** | | | **08-01-081-1** | | **Control and signaling device (button, control key, electromagnetic lock, acoustic signal, signaling lamp), quantity of connected ends up to: 2** | | | **pcs** | | |  | | **7,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,130 | | 7,91 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,060 | | 0,42 | |
|  | | | 5009807 | | Marking head formations | | | 100 pcs | | | 0,020 | | 0,14 | |
| **94** | | |  | | **Wall mount power button** | | | **pcs** | | |  | | **7,000** | |
|  | | | 60095 | | Wall mount power button | | | pcs | | | 1,000 | | 7,00 | |
| **95** | | | **08-03-591-7** | | **Non-buried type switch, for closed installation** | | | **100 pcs** | | |  | | **0,020** | |
|  | | | 1 | | Worker | | | mh | | | 32,900 | | 0,658 | |
|  | | | 1010219 | | Gypsum binders "G-3" | | | t | | | 0,00315 | | 0,00 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 102,000 | | 2,04 | |
| **96** | | |  | | **2-way switch** | | | **pcs** | | |  | | **2,000** | |
|  | | | 60069 | | 2-way switch | | | pcs | | | 1,000 | | 2,00 | |
| **97** | | |  | | **Frame for 1 socket** | | | **pcs** | | |  | | **14,000** | |
|  | | | 60070 | | Frame for 1 socket | | | pcs | | | 1,000 | | 14,00 | |
| **98** | | |  | | **Frame for 3 sockets** | | | **pcs** | | |  | | **5,000** | |
|  | | | 60071 | | Frame for 3 sockets | | | pcs | | | 1,000 | | 5,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Socket and switches** | | |  | | | | | | |
| **2.10. Connection accessories** | | | | | | | | | | | | | | |
| **99** | | | **08-02-396-6** | | **Metal channel on walls and ceilings, length 3 m** | | | **100 m** | | |  | | **0,360** | |
|  | | | 1 | | Worker | | | mh | | | 29,400 | | 10,584 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,400 | | 0,144 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 12,500 | | 4,50 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 2,160 | | 0,778 | |
| **100** | | |  | | **Perforated metal gutter 200x200** | | | **m** | | |  | | **36,000** | |
|  | | | 600jg-200x200 | | Perforated metal gutter 200x200 | | | m | | | 1,000 | | 36,00 | |
| **101** | | | **08-02-396-5** | | **Metal channel on walls and ceilings, length 2 m** | | | **100 m** | | |  | | **0,060** | |
|  | | | 1 | | Worker | | | mh | | | 37,600 | | 2,256 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,400 | | 0,024 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 12,500 | | 0,75 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 2,470 | | 0,148 | |
| **102** | | |  | | **Metal cable channel 100x100x3000** | | | **m** | | |  | | **6,000** | |
|  | | | 600cc-100x100 | | Metal cable channel 100x100x3000 | | | m | | | 1,000 | | 6,00 | |
| **103** | | | **08-02-407-2** | | **Steel pipe on wall-mounted constructions, clamp fastening, diameter up to 40 mm** | | | **100 m** | | |  | | **2,000** | |
|  | | | 1 | | Worker | | | mh | | | 41,500 | | 83,00 | |
|  | | | 1010813 | | Low carbon steel wire for various purposes, galvanized, diameter 3.0 mm | | | t | | | 0,0021 | | 0,004 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,820 | | 1,64 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,680 | | 1,36 | |
|  | | | 1109105 | | Grounding mounting nuts | | | 100 pcs | | | 0,650 | | 1,30 | |
|  | | | 5009030 | | flanges | | | 10 pcs | | | 1,020 | | 2,04 | |
|  | | | 5009031 | | clamp | | | 10 pcs | | | 4,100 | | 8,20 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 8,000 | | 16,00 | |
|  | | | 5009140 | | Connection plugs | | | 100 pcs | | | 0,080 | | 0,16 | |
|  | | | 5009627 | | Teflon tape | | | kg | | | 0,032 | | 0,064 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 6,420 | | 12,84 | |
|  | | | 331451 | | Electric drills | | | hr | | | 8,470 | | 16,94 | |
| **104** | | |  | | **Threaded metal pipe ⌀32** | | | **m** | | |  | | **200,000** | |
|  | | | 600ot-32 | | Threaded metal pipe ⌀32 | | | m | | | 1,000 | | 200,00 | |
| **105** | | | **08-02-407-1** | | **Steel pipe on wall-mounted constructions, clamp fastening, diameter up to 25 mm** | | | **100 m** | | |  | | **2,700** | |
|  | | | 1 | | Worker | | | mh | | | 30,800 | | 83,16 | |
|  | | | 1010813 | | Low carbon steel wire for various purposes, galvanized, diameter 3.0 mm | | | t | | | 0,0021 | | 0,006 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,820 | | 2,214 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,680 | | 1,836 | |
|  | | | 1109105 | | Grounding mounting nuts | | | 100 pcs | | | 0,650 | | 1,755 | |
|  | | | 5009030 | | flanges | | | 10 pcs | | | 1,020 | | 2,754 | |
|  | | | 5009031 | | clamp | | | 10 pcs | | | 4,100 | | 11,07 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 8,000 | | 21,60 | |
|  | | | 5009140 | | Connection plugs | | | 100 pcs | | | 0,080 | | 0,216 | |
|  | | | 5009627 | | Teflon tape | | | kg | | | 0,030 | | 0,081 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 6,420 | | 17,334 | |
|  | | | 331451 | | Electric drills | | | hr | | | 6,180 | | 16,686 | |
| **106** | | |  | | **Threaded metal pipe ⌀20** | | | **m** | | |  | | **50,000** | |
|  | | | 600ot-20 | | Threaded metal pipe ⌀20 | | | m | | | 1,000 | | 50,00 | |
| **107** | | |  | | **Threaded metal pipe ⌀16** | | | **m** | | |  | | **220,000** | |
|  | | | 600ot-16 | | Threaded metal pipe ⌀16 | | | m | | | 1,000 | | 220,00 | |
| **108** | | | **08-02-409-2** | | **Vinyl plastic pipe on installed structures, on walls and columns, fixing with clamps, diameter up to 50 mm** | | | **100 m** | | |  | | **1,450** | |
|  | | | 1 | | Worker | | | mh | | | 34,400 | | 49,88 | |
|  | | | 1010813 | | Low carbon steel wire for various purposes, galvanized, diameter 3.0 mm | | | t | | | 0,0021 | | 0,003 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 13,400 | | 19,43 | |
|  | | | 1139042 | | Glue "BMK-5k" | | | kg | | | 0,400 | | 0,58 | |
|  | | | 5009030 | | flanges | | | 10 pcs | | | 1,000 | | 1,45 | |
|  | | | 5009031 | | clamp | | | 10 pcs | | | 6,700 | | 9,715 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 18,000 | | 26,10 | |
|  | | | 5009070 | | connection | | | 10 pcs | | | 1,800 | | 2,61 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 2,700 | | 3,915 | |
|  | | | 331451 | | Electric drills | | | hr | | | 6,960 | | 10,092 | |
| **109** | | |  | | **PipePVC auto-stingator ⌀32** | | | **m** | | |  | | **145,000** | |
|  | | | 600pvc-32 | | PipePVC auto-stingator ⌀32 | | | m | | | 1,000 | | 145,00 | |
| **110** | | | **08-02-409-1** | | **Vinyl plastic pipe on installed structures, on walls and columns, fixing with clamps, diameter up to 25 mm** | | | **100 m** | | |  | | **8,800** | |
|  | | | 1 | | Worker | | | mh | | | 23,800 | | 209,44 | |
|  | | | 1010813 | | Low carbon steel wire for various purposes, galvanized, diameter 3.0 mm | | | t | | | 0,0021 | | 0,018 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 13,400 | | 117,92 | |
|  | | | 1139042 | | Glue "BMK-5k" | | | kg | | | 0,200 | | 1,76 | |
|  | | | 5009030 | | flanges | | | 10 pcs | | | 1,000 | | 8,80 | |
|  | | | 5009031 | | clamp | | | 10 pcs | | | 6,700 | | 58,96 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 18,000 | | 158,40 | |
|  | | | 5009070 | | connection | | | 10 pcs | | | 1,800 | | 15,84 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 2,700 | | 23,76 | |
|  | | | 331451 | | Electric drills | | | hr | | | 4,840 | | 42,592 | |
| **111** | | |  | | **Pipe PVC auto-stingator ⌀25** | | | **m** | | |  | | **30,000** | |
|  | | | 600pvc-25 | | Pipe PVC auto-stingator ⌀25 | | | m | | | 1,000 | | 30,00 | |
| **112** | | |  | | **Pipe PVC auto-stingator ⌀20** | | | **m** | | |  | | **420,000** | |
|  | | | 600pvc-20 | | Pipe PVC auto-stingator ⌀20 | | | m | | | 1,000 | | 420,00 | |
| **113** | | |  | | **PipePVC auto-stingator ⌀16** | | | **m** | | |  | | **430,000** | |
|  | | | 600pvc-16 | | PipePVC auto-stingator ⌀16 | | | m | | | 1,000 | | 430,00 | |
| **114** | | | **10-06-037-12** | | **Cabinets, boxes and sockets for pipe installations** | | | **100 pcs** | | |  | | **1,750** | |
|  | | | 1 | | Worker | | | mh | | | 24,720 | | 43,26 | |
|  | | | 1010985 | | Hot-rolled, made of ordinary quality carbon steel in stripes, thickness 10-75 mm with width 100-200 mm, steel grade "Ст6сп" | | | t | | | 0,006 | | 0,01 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 2,000 | | 3,50 | |
|  | | | 1130211 | | Protective enamel "EP-140" | | | t | | | 0,020 | | 0,035 | |
| **115** | | |  | | **Distribution box** | | | **pcs** | | |  | | **175,000** | |
|  | | | 600dis | | Distribution box | | | pcs | | | 1,000 | | 175,00 | |
| **116** | | | **08-03-545-1** | | **Terminal box for cables and conductors, cross-section up to 6 mm2, mounted on the wall or column, number of terminals: 10** | | | **pcs** | | |  | | **8,000** | |
|  | | | 1 | | Worker | | | mh | | | 3,310 | | 26,48 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,049 | | 0,392 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,014 | | 0,112 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 1,220 | | 9,76 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,030 | | 0,24 | |
|  | | | 5009502 | | Extremity plugs | | | 100 pcs | | | 0,200 | | 1,60 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,040 | | 0,32 | |
| **117** | | |  | | **Equipotentialization box КУП КМ41360 (HF) IP44 85x85x40 mm or analog** | | | **pcs** | | |  | | **8,000** | |
|  | | | 60094 | | Equipotentialization box КУП КМ41360 (HF) IP44 85x85x40 mm | | | pcs | | | 1,000 | | 8,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Connection accessories** | | |  | | | | | | |
| **2.11. Steel bonding socket** | | | | | | | | | | | | | | |
| **118** | | | **08-02-471-4** | | **Earthing plug, vertical, made of round steel, diameter 20 mm** | | | **10 pcs** | | |  | | **0,400** | |
|  | | | 1 | | Worker | | | mh | | | 8,290 | | 3,316 | |
|  | | | 1011786 | | Bitumen lake "BT-123" | | | t | | | 0,002 | | 0,001 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 2,540 | | 1,016 | |
| **119** | | |  | | **galvanized round steel ⌀20 mm** | | | **m** | | |  | | **12,000** | |
|  | | | 600/ot20 | | galvanized round steel ⌀20 mm | | | m | | | 1,000 | | 12,00 | |
| **120** | | | **08-02-472-2** | | **Grounding conductors: grounding rod, horizontal, made of steel, section 160 mm2** | | | **100 m** | | |  | | **0,120** | |
|  | | | 1 | | Worker | | | mh | | | 16,600 | | 1,992 | |
|  | | | 1011786 | | Bitumen lake "BT-123" | | | t | | | 0,0037 | | 0,00 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 3,130 | | 0,376 | |
| **121** | | |  | | **Galvanized steel strip 40/4 mm** | | | **m** | | |  | | **12,000** | |
|  | | | 600/ot40/4 | | Galvanized steel strip 40/4 mm | | | m | | | 1,000 | | 12,00 | |
| **122** | | |  | | **Grounding clamp for tape** | | | **pcs** | | |  | | **4,000** | |
|  | | | 600103 | | Grounding clamp for tape | | | pcs | | | 1,000 | | 4,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Steel binding socket** | | |  | | | | | | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | *Social insurance* | | |  | | |  | |  | |
|  | | |  | | *Transport of materials* | | |  | | |  | |  | |
|  | | |  | | *Storage purchase expenses* | | |  | | |  | |  | |
|  | | |  | | *Direct expenses* | | |  | | |  | |  | |
|  | | |  | | *Overhead expenses* | | |  | | |  | |  | |
|  | | |  | | *Total with Overhead Costs* | | |  | | |  | |  | |
|  | | |  | | *Quote benefit* | | |  | | |  | |  | |
|  | | |  | | **Total Worksmounting** | | |  | | | | | | |
| **3. Equipment** | | | | | | | | | | | | | | |
| **3.1. Completing the PT connection point** | | | | | | | | | | | | | | |
| **123** | | |  | | **Fuse 400V 250A gab2** | | | **pcs** | | |  | | **3,000** | |
|  | | | 700sig250 | | Fuse 400V 250A gab2 | | | pcs | | | 1,000 | | 3,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Completing the PT connection point** | | |  | | | | | | |
| **3.2. IRD-1 distribution connection installation** | | | | | | | | | | | | | | |
| **124** | | |  | | **Metal box IP66, open mounting for device installation 600x800x300** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700/600x800x300-IP66 | | Metal box IP66, open mounting for device installation 600x800x300 | | | pcs | | | 1,000 | | 1,00 | |
| **125** | | |  | | **Load separator 3P 400V 400A Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700/Sep-3-400 | | Switch disconnector 3P 400V 400A Schneider Electric | | | pcs | | | 1,000 | | 1,00 | |
| **126** | | |  | | **Circuit breaker with electronic trip unit EasyPact CVS250F 36kA ETS 2.2, 250A, 3P3D or analog** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700CVS250F | | Circuit breaker with electronic trip unit EasyPact CVS250F 36kA ETS 2.2, 250A, 3P3D | | | pcs | | | 1,000 | | 1,00 | |
| **127** | | |  | | **3P modular circuit breaker, type C, In=40A, Irup=6kA, Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700/3-40C | | Modular circuit breaker 3P car. C In=40A Irup=6kA Schneider Electric | | | pcs | | | 1,000 | | 1,00 | |
| **128** | | |  | | **3P modular circuit breaker, type C, In=20A, Irup=6kA, Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **3,000** | |
|  | | | 700/3-20C | | Modular circuit breaker 3P car. C In=20A Irup=6kA Schneider Electric | | | pcs | | | 1,000 | | 3,00 | |
| **129** | | |  | | **Surge arrester ОПС-1 В, 3Р** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700OPS-1-3 | | Surge arrester ОПС-1 В, 3Р | | | pcs | | | 1,000 | | 1,00 | |
| **130** | | |  | | **DIN 400mm** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700DIN | | DIN 400mm | | | pcs | | | 1,000 | | 2,00 | |
| **131** | | |  | | **N/PE 600A busbar set** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700N/PE/600 | | N/PE 600A busbar set | | | pcs | | | 1,000 | | 1,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total IRD-1 distribution connection installation** | | |  | | | | | | |
| **3.3. PD-1 distribution panel** | | | | | | | | | | | | | | |
| **132** | | |  | | **Metal panel, open mounting 1200x900 mm** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700/1200x900-aparent | | Metal panel, open mounting 1200x900 mm | | | pcs | | | 1,000 | | 1,00 | |
| **133** | | |  | | **Divider for metal box 1200mm** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700/desp1200 | | Divider for metal box 1200mm | | | pcs | | | 1,000 | | 1,00 | |
| **134** | | |  | | **Divider for metal box 900mm** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700/desp900 | | Divider for metal box 900mm | | | pcs | | | 1,000 | | 2,00 | |
| **135** | | |  | | **3P 63A Schneider Electric load break switch or similar** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700/entrer-3-63 | | Load switch 3P 63A Schneider Electric | | | pcs | | | 1,000 | | 1,00 | |
| **136** | | |  | | **2P modular residual current circuit breaker C In=16A, Irup=6kA, Idif=30mA Schneider Electric or similar** | | | **pcs** | | |  | | **12,000** | |
|  | | | 700/dif-2-30-16 | | 2P modular residual current circuit breaker, type C In=16A, Irup=6kA, Idif=30mA Schneider Electric | | | pcs | | | 1,000 | | 12,00 | |
| **137** | | |  | | **3P modular circuit breaker, class B, In=10A, Irup=6kA, Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700/3-10B | | Modular circuit breaker 3P car. B In=10A Irup=6kA Schneider Electric | | | pcs | | | 1,000 | | 1,00 | |
| **138** | | |  | | **Modular circuit breaker 1P car. B In=10A Irup=6kA Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **4,000** | |
|  | | | 700/1-10B | | Modular circuit breaker 1P car. B In=10A Irup=6kA Schneider Electric | | | pcs | | | 1,000 | | 4,00 | |
| **139** | | |  | | **Modular circuit breaker 1P car. B In=6A Irup=6kA Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **4,000** | |
|  | | | 700/1-6B | | Modular circuit breaker 1P car. B In=6A Irup=6kA Schneider Electric | | | pcs | | | 1,000 | | 4,00 | |
| **140** | | |  | | **Modular contactor 3P In=16A Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700cont-3-16 | | Contactor modular 3P In=16A Schneider Electric | | | pcs | | | 1,000 | | 1,00 | |
| **141** | | |  | | **DIN 400mm** | | | **pcs** | | |  | | **3,000** | |
|  | | | 700DIN | | DIN 400mm | | | pcs | | | 1,000 | | 3,00 | |
| **142** | | |  | | **N/PE 100A busbar set** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700N/PE/100 | | N/PE 100A busbar set | | | pcs | | | 1,000 | | 1,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Distribution panel PD-1** | | |  | | | | | | |
| **3.4. Ventilation distribution panel PDV-1** | | | | | | | | | | | | | | |
| **143** | | |  | | **Load separator 3P 400V 250A Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700/Sep-3-250 | | Switch disconnector 3P 400V 250A Schneider Electric | | | pcs | | | 1,000 | | 1,00 | |
| **144** | | |  | | **3P modular circuit breaker, type C, In=40A, Irup=6kA, Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **4,000** | |
|  | | | 700/3-40C | | Modular circuit breaker 3P car. C In=40A Irup=6kA Schneider Electric | | | pcs | | | 1,000 | | 4,00 | |
| **145** | | |  | | **3P modular circuit breaker, type C, In=32A, Irup=6kA, Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700/3-32C | | Modular circuit breaker 3P car. C In=32A Irup=6kA Schneider Electric | | | pcs | | | 1,000 | | 2,00 | |
| **146** | | |  | | **3P modular circuit breaker, type C, In=16A, Irup=6kA, Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **3,000** | |
|  | | | 700/3-16C | | Modular circuit breaker 3P car. C In=16A Irup=6kA Schneider Electric | | | pcs | | | 1,000 | | 3,00 | |
| **147** | | |  | | **Modular circuit breaker 1P car. C In=25A Irup=6kA Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700/1-25C | | Modular circuit breaker 1P car. C In=25A Irup=6kA Schneider Electric | | | pcs | | | 1,000 | | 2,00 | |
| **148** | | |  | | **Modular circuit breaker 1P car. C In=16A Irup=6kA Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700/1-16C | | Modular circuit breaker 1P car. C In=16A Irup=6kA Schneider Electric | | | pcs | | | 1,000 | | 2,00 | |
| **149** | | |  | | **Modular circuit breaker 1P car. C In=10A Irup=6kA Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **4,000** | |
|  | | | 700/1-10C | | Modular circuit breaker 1P car. C In=10A Irup=6kA Schneider Electric | | | pcs | | | 1,000 | | 4,00 | |
| **150** | | |  | | **Modular circuit breaker 1P car. B In=6A Irup=6kA Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700/1-6B | | Modular circuit breaker 1P car. B In=6A Irup=6kA Schneider Electric | | | pcs | | | 1,000 | | 1,00 | |
| **151** | | |  | | **Modular contactor 3P In=250A Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700cont-3-250 | | Contactor modular 3P In=250A Schneider Electric | | | pcs | | | 1,000 | | 1,00 | |
| **152** | | |  | | **DIN 400mm** | | | **pcs** | | |  | | **5,000** | |
|  | | | 700DIN | | DIN 400mm | | | pcs | | | 1,000 | | 5,00 | |
| **153** | | |  | | **Busbar set N/PE 400A** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700N/PE/400 | | Busbar set N/PE 400A | | | pcs | | | 1,000 | | 1,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Ventilation distribution panel PDV-1** | | |  | | | | | | |
| **3.5. PDA distribution panel** | | | | | | | | | | | | | | |
| **154** | | |  | | **3P 32A Schneider Electric load break switch or similar** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700/input-3-32 | | Load switch 3P 32A Schneider Electric | | | pcs | | | 1,000 | | 1,00 | |
| **155** | | |  | | **Modular circuit breaker 1P car. B In=10A Irup=6kA Schneider Electric or similar according to quality** | | | **pcs** | | |  | | **6,000** | |
|  | | | 700/1-10B | | Modular circuit breaker 1P car. B In=10A Irup=6kA Schneider Electric | | | pcs | | | 1,000 | | 6,00 | |
| **156** | | |  | | **DIN 400mm** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700DIN | | DIN 400mm | | | pcs | | | 1,000 | | 1,00 | |
| **157** | | |  | | **N/PE 100A busbar set** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700N/PE/100 | | N/PE 100A busbar set | | | pcs | | | 1,000 | | 1,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total PDA distribution panel** | | |  | | | | | | |
| **3.6. Junction box** | | | | | | | | | | | | | | |
| **158** | | |  | | **Metal box 12 modules ЩРн-12 IP31** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700SRN-12 | | Metal box 12 modules ЩРн-12 IP31 | | | pcs | | | 1,000 | | 1,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Junction box** | | |  | | | | | | |
| **3.7. Lighting fixtures** | | | | | | | | | | | | | | |
| **159** | | |  | | **Square lighting fixture FIDI-19-2Rx4Mx32 LED OPAL-LED 4000K 25.7W 3343lm SIG 3 ELBA or analog** | | | **pcs** | | |  | | **22,000** | |
|  | | | 700FAITH-19 | | Square lighting fixture FIDI-19-2Rx4Mx32 LED OPAL-LED 4000K 25.7W 3343lm SIG 3 ELBA | | | pcs | | | 1,000 | | 22,00 | |
| **160** | | |  | | **Longitudinal lighting fixture LINETA-04 1Rx5Bx33 20W LED 3800lm 4000K ELBA sau analog** | | | **pcs** | | |  | | **14,000** | |
|  | | | 700LINETA | | Longitudinal lighting fixture LINETA-04 1Rx5Bx33 20W LED 3800lm 4000K ELBA | | | pcs | | | 1,000 | | 14,00 | |
| **161** | | |  | | **Longitudinal lighting fixture FIPAD EVO LED 840 H 1.2M IK10 IP66 ELBA sau analog** | | | **pcs** | | |  | | **36,000** | |
|  | | | 700FIPAD | | Longitudinal lighting fixture FIPAD EVO LED 840 H 1.2M IK10 IP66 ELBA | | | pcs | | | 1,000 | | 36,00 | |
| **162** | | |  | | **ARIA 01 G3 LED projector light 11000LM 73W 840 DA or analog** | | | **pcs** | | |  | | **30,000** | |
|  | | | 700ARIA | | ARIA 01 G3 LED projector light 11000LM 73W 840 DA | | | pcs | | | 1,000 | | 30,00 | |
| **163** | | |  | | **Emergency lighting fixture Anti-panic spot 400LM 4W 3H 6500K equipped with ELBA or analog battery** | | | **pcs** | | |  | | **12,000** | |
|  | | | 700spot | | Emergency lighting fixture Anti-panic spot 400LM 4W 3H 6500K equipped with ELBA battery | | | pcs | | | 1,000 | | 12,00 | |
| **164** | | |  | | **"WARNING! SHOOTING" indicator** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700 shooting | | "WARNING! SHOOTING" indicator | | | pcs | | | 1,000 | | 1,00 | |
| **165** | | |  | | **Left "EXIT" indicator** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700exit-left | | Left "EXIT" indicator | | | pcs | | | 1,000 | | 2,00 | |
| **166** | | |  | | **"EXIT" indicator ahead** | | | **pcs** | | |  | | **4,000** | |
|  | | | 700exit-before | | "EXIT" indicator ahead | | | pcs | | | 1,000 | | 4,00 | |
| **167** | | |  | | **"EXIT" sign up the stairs** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700exit-stairs | | "EXIT" sign up the stairs | | | pcs | | | 1,000 | | 2,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Lighting fixtures** | | |  | | | | | | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | *Storage purchase expenses* | | |  | | |  | |  | |
|  | | |  | | **Total Machinery** | | |  | | | | | | |
|  |  | | |  | |  | | |  | | | | | |
|  |  | | |  | |  | | |  | | | | | |
|  | | |  | | Total | | |  | | |  | | | |
|  | | |  | | **Total currency:** | | |  | | | | | |  |

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