|  |  |
| --- | --- |
| **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, Chișinău municipality, 21 Gh. Asachi Street** | Form No. 1 unfolded  WinСmeta |
| (name of the objective) |  |

**Bill of quantities for works No. 2-1-6**

**Telecommunications networks (12/25-J-TS)**

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 works** | | | | | | | | | | | | | | |
| **1** | | | **RpEJ08C** | | **Excavation of trenches up to 5 cm deep in stone or reinforced concrete walls of 5x50 cm2** | | | **m** | | |  | | **20,000** | |
|  | | | 7137010011520 | | Construction Electrician | | | mh | | | 0,200 | | 4,00 | |
| **2** | | | **RpEJ09D** | | **Sweeping trenches in walls up to 50 cm2** | | | **m** | | |  | | **20,000** | |
|  | | | 7122050013442 | | Plasterer | | | mh | | | 0,300 | | 6,00 | |
|  | | | 2653102100830 | | Plaster for construction type A | | | kg | | | 1,700 | | 34,00 | |
|  | | | 1421102200525 | | Sorted unwashed river and lake sand 0.0-7.0 mm | | | m3 | | | 0,0005 | | 0,01 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,010 | | 0,20 | |
|  | | | 2952270003817 | | 200 L electric mortar mixer | | | hr | | | 0,015 | | 0,30 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tf) window crane | | | hr | | | 0,020 | | 0,40 | |
| **3** | | | **RpCU05A1** | | **Making penetrations for pipes or tie rods, for reinforcements, in brick walls or floors up to 15 cm thick, for mechanized penetrations** | | | **pcs** | | |  | | **30,000** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,020 | | 0,60 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,130 | | 3,90 | |
| **4** | | | **RpCU07A** | | **Filling gaps in walls with plaster mortar after installations or consolidations** | | | **pcs** | | |  | | **30,000** | |
|  | | | 7122050013400 | | Bricklayer | | | mh | | | 0,070 | | 2,10 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,080 | | 2,40 | |
|  | | | 2653102100830 | | Plaster for construction type A | | | kg | | | 0,220 | | 6,60 | |
|  | | | 1421102200513 | | Sorted unwashed river and lake sand 0.0-3.0 mm | | | m3 | | | 0,001 | | 0,03 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,005 | | 0,15 | |
|  | | | 2952270003817 | | 200 L electric mortar mixer | | | hr | | | 0,010 | | 0,30 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tf) window crane | | | hr | | | 0,015 | | 0,45 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | *Social insurance* | | |  | | |  | |  | |
|  | | |  | | *Transport of materials* | | |  | | |  | |  | |
|  | | |  | | *Storage purchase expenses* | | |  | | |  | |  | |
|  | | |  | | *Direct expenses* | | |  | | |  | |  | |
|  | | |  | | *Overhead expenses* | | |  | | |  | |  | |
|  | | |  | | *Total with OE* | | |  | | |  | |  | |
|  | | |  | | *Quote benefit* | | |  | | |  | |  | |
|  | | |  | | **Total Construction works** | | |  | | | | | | |
| **2. Installation work** | | | | | | | | | | | | | | |
| **2.1. LAN network** | | | | | | | | | | | | | | |
| **5** | | | **10-06-037-05** | | **Wall cabinet, size, mm, up to: 640х840** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 2,060 | | 2,06 | |
|  | | | 1012206 | | Plastic dowels, screws 12x70 mm | | | 10 pcs | | | 1,200 | | 1,20 | |
|  | | | 1130211 | | Protective enamel "EP-140" | | | kg | | | 0,900 | | 0,90 | |
| **6** | | | **10-03-013-05** | | **Access switch installation** | | | **pcs** | | |  | | **2,000** | |
|  | | | 1 | | Worker | | | mh | | | 6,760 | | 13,52 | |
|  | | | 1011481 | | Round head screws 4х40 mm | | | t | | | 0,0011 | | 0,002 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,003 | | 0,006 | |
| **7** | | | **10-04-101-07** | | **Montare access point** | | | **pcs** | | |  | | **4,000** | |
|  | | | 1 | | Worker | | | mh | | | 2,000 | | 8,00 | |
|  | | | 5440089 | | Insulating adhesive tape on polycasin compound, brand "ЛСЭПЛ", width 20-30 mm, thickness from 0.14 to 0.19 mm inclusive | | | kg | | | 0,015 | | 0,06 | |
| **8** | | | **10-04-030-01** | | **PDU mounting** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,000 | | 1,00 | |
| **9** | | | **10-08-003-03** | | **Install UPS** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 5,000 | | 5,00 | |
|  | | | 1011963 | | Pine rosin | | | kg | | | 0,0016 | | 0,002 | |
|  | | | 1012206 | | Plastic dowels, screws 12x70 mm | | | 10 pcs | | | 0,300 | | 0,30 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,016 | | 0,016 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,130 | | 0,13 | |
| **10** | | | **08-03-591-8** | | **Non-buried type plug socket, for open installation** | | | **100 pcs** | | |  | | **0,010** | |
|  | | | 1 | | Worker | | | mh | | | 43,200 | | 0,432 | |
|  | | | 1011481 | | Round head screws 4х40 mm | | | t | | | 0,0003 | | 0,00 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 1,020 | | 0,01 | |
|  | | | 5009126 | | Rosette plate | | | 100 pcs | | | 1,030 | | 0,01 | |
|  | | | 5440089 | | Insulating adhesive tape on polycasin compound, brand "ЛСЭПЛ", width 20-30 mm, thickness from 0.14 to 0.19 mm inclusive | | | kg | | | 0,110 | | 0,001 | |
|  | | | 330206 | | Electric drills | | | hr | | | 6,400 | | 0,064 | |
| **11** | | |  | | **Electrical outlet for connecting UPS, 220V, 16A** | | | **pcs** | | |  | | **1,000** | |
|  | | | 6008 | | Electrical outlet for connecting UPS, 220V, 16A | | | pcs | | | 1,000 | | 1,00 | |
| **12** | | | **10-04-066-04** | | **Mount ODF Panel** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 4,000 | | 4,00 | |
|  | | | 1011665 | | Electro-insulating varnish "318" | | | kg | | | 0,010 | | 0,01 | |
|  | | | 1012073 | | Rough threads | | | kg | | | 0,010 | | 0,01 | |
|  | | | 1110109 | | Plastic marking sheets | | | 100 pcs | | | 0,060 | | 0,06 | |
|  | | | 4110041 | | Electrical energy | | | kw-h | | | 0,060 | | 0,06 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,010 | | 0,01 | |
|  | | | 5440089 | | Insulating adhesive tape on polycasin compound, brand "ЛСЭПЛ", width 20-30 mm, thickness from 0.14 to 0.19 mm inclusive | | | kg | | | 0,005 | | 0,005 | |
|  | | | 5440150 | | Presspan in sheets, brand "A" | | | kg | | | 0,050 | | 0,05 | |
| **13** | | | **10-04-100-04** | | **Forming and connecting cables (conductors) in wire broadcasting equipment, cable section: up to 6 mm2 - LC duplex adapter** | | | **10 pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 2,000 | | 2,00 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 2,000 | | 2,00 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,010 | | 0,01 | |
|  | | | 5440089 | | Insulating adhesive tape on polycasin compound, brand "ЛСЭПЛ", width 20-30 mm, thickness from 0.14 to 0.19 mm inclusive | | | kg | | | 0,010 | | 0,01 | |
| **14** | | |  | | **Adapter LC duplex** | | | **pcs** | | |  | | **10,000** | |
|  | | | 600LCDuplex | | Adapter LC duplex | | | pcs | | | 1,000 | | 10,00 | |
| **15** | | | **10-04-100-04** | | **Forming and connecting cables (conductors) in wire broadcasting equipment, cable section: up to 6 mm2 - Pigtail LC/SM duplex** | | | **10 pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 2,000 | | 2,00 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 2,000 | | 2,00 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,010 | | 0,01 | |
|  | | | 5440089 | | Insulating adhesive tape on polycasin compound, brand "ЛСЭПЛ", width 20-30 mm, thickness from 0.14 to 0.19 mm inclusive | | | kg | | | 0,010 | | 0,01 | |
| **16** | | |  | | **Fiber Optic Pigtail LC / SM duplex** | | | **pcs** | | |  | | **10,000** | |
|  | | | 600Pigtail | | Fiber Optic Pigtail LC / SM duplex | | | pcs | | | 1,000 | | 10,00 | |
| **17** | | | **10-02-051-01** | | **Cable connection bridges, length: up to 6 m** | | | **100 pcs** | | |  | | **0,050** | |
|  | | | 1 | | Worker | | | mh | | | 24,000 | | 1,20 | |
| **18** | | |  | | **Fiber Patch Cord LC / SM duplex, L=3,0 m** | | | **pcs** | | |  | | **4,000** | |
|  | | | 600Patch-3m | | Fiber Patch Cord LC / SM duplex, L=3,0 m | | | pcs | | | 1,000 | | 4,00 | |
| **19** | | |  | | **Direct Attach Cable 1m, SFP+ 10G, compatible with access switches (HPE type, R9D19A)** | | | **pcs** | | |  | | **1,000** | |
|  | | | 600HPE-R9D19A | | Direct Attach Cable 1m, SFP+ 10G, compatible with access switches (HPE type, R9D19A) | | | pcs | | | 1,000 | | 1,00 | |
| **20** | | | **10-04-030-01** | | **Mounting Patch Panel** | | | **pcs** | | |  | | **2,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,000 | | 2,00 | |
| **21** | | | **10-04-030-01** | | **Montare cable management** | | | **pcs** | | |  | | **3,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,000 | | 3,00 | |
| **22** | | | **10-04-030-01** | | **Assemble a raft** | | | **pcs** | | |  | | **2,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,000 | | 2,00 | |
| **23** | | | **10-02-051-03** | | **Laying, connecting cables, conductors, bars: Cable connection bridges between sections of a rack: with laying in cable channel - Patch Cord FTP, UTP** | | | **100 pcs** | | |  | | **0,720** | |
|  | | | 1 | | Worker | | | mh | | | 4,100 | | 2,952 | |
| **24** | | | **08-02-412-2** | | **Insertion of conductors into laid pipes and hoses: total cross-section up to 6 mm2** | | | **100 m** | | |  | | **6,100** | |
|  | | | 1 | | Worker | | | mh | | | 6,740 | | 41,114 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,020 | | 0,122 | |
|  | | | 5009041 | | Clamping device - branching | | | 100 pcs | | | 0,310 | | 1,891 | |
|  | | | 5009056 | | Insulation caps | | | 10 pcs | | | 0,800 | | 4,88 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 12,200 | | 74,42 | |
|  | | | 5009140 | | Connection plugs | | | 100 pcs | | | 0,050 | | 0,305 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,122 | |
|  | | | 5440089 | | Insulating adhesive tape on polycasin compound, brand "ЛСЭПЛ", width 20-30 mm, thickness from 0.14 to 0.19 mm inclusive | | | kg | | | 0,160 | | 0,976 | |
| **25** | | |  | | **Cat.5e cable with 4x2 copper conductors, shielded, 24 AWG, solid, HF** | | | **m** | | |  | | **610,000** | |
|  | | | 600cat5e-4x2 | | Cat.5e cable with 4x2 copper conductors, shielded, 24 AWG, solid, HF | | | m | | | 1,000 | | 610,00 | |
| **26** | | | **10-04-066-07** | | **Wall switch: RJ-45 socket** | | | **pcs** | | |  | | **7,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,000 | | 7,00 | |
|  | | | 1011665 | | Electro-insulating varnish "318" | | | kg | | | 0,002 | | 0,014 | |
|  | | | 1012073 | | Rough threads | | | kg | | | 0,002 | | 0,014 | |
|  | | | 4110041 | | Electrical energy | | | kw-h | | | 0,012 | | 0,084 | |
|  | | | 5220077 | | Tin-lead solder alloys without antimony, brand "ПОС30" | | | kg | | | 0,002 | | 0,014 | |
|  | | | 5440089 | | Insulating adhesive tape on polycasin compound, brand "ЛСЭПЛ", width 20-30 mm, thickness from 0.14 to 0.19 mm inclusive | | | kg | | | 0,001 | | 0,007 | |
| **27** | | |  | | **Socket for 2 RJ45 modules - frame and support, built-in, wall installation (including RJ45 Cat. 5e module)** | | | **pcs** | | |  | | **7,000** | |
|  | | | 600RJ-45-2 | | Socket for 2 RJ45 modules - frame and support, built-in, wall installation (including RJ45 Cat. 5e module) | | | pcs | | | 1,000 | | 7,00 | |
| **28** | | |  | | **Wall socket installation box, made of PE ф80mm, 70mm** | | | **pcs** | | |  | | **7,000** | |
|  | | | 60017 | | Wall socket installation box, made of PE ф80mm, 70mm | | | pcs | | | 1,000 | | 7,00 | |
| **29** | | | **08-02-409-1** | | **Vinyl plastic pipe on installed structures, on walls and columns, fixing with clamps, diameter up to 25 mm** | | | **100 m** | | |  | | **0,400** | |
|  | | | 1 | | Worker | | | mh | | | 23,800 | | 9,52 | |
|  | | | 1010813 | | Low carbon steel wire for various purposes, galvanized, diameter 3.0 mm | | | t | | | 0,0021 | | 0,001 | |
|  | | | 1011924 | | Electrodes E42A, diameter 4 mm | | | kg | | | 0,960 | | 0,384 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 13,400 | | 5,36 | |
|  | | | 1139042 | | Glue "BMK-5k" | | | kg | | | 0,200 | | 0,08 | |
|  | | | 5009030 | | flanges | | | 10 pcs | | | 1,000 | | 0,40 | |
|  | | | 5009031 | | clamp | | | 10 pcs | | | 6,700 | | 2,68 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 18,000 | | 7,20 | |
|  | | | 5009070 | | connection | | | 10 pcs | | | 1,800 | | 0,72 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 2,700 | | 1,08 | |
|  | | | 331451 | | Electric drills | | | hr | | | 4,840 | | 1,936 | |
| **30** | | |  | | **PE corrugated pipe ф20** | | | **m** | | |  | | **40,000** | |
|  | | | 600PE20 | | PE corrugated pipe ф20 | | | m | | | 1,000 | | 40,00 | |
| **31** | | | **08-02-390-1** | | **Plastic channels with width: up to 40 mm.** | | | **100 m** | | |  | | **0,500** | |
|  | | | 1 | | Worker | | | mh | | | 16,290 | | 8,145 | |
|  | | | 101-1485 | | Round head screws 4х40 mm | | | kg | | | 1,000 | | 0,50 | |
|  | | | 101-2202 | | Polyethylene spacers 6х40 mm | | | pcs | | | 200,000 | | 100,00 | |
|  | | | 134041 | | Screwdriver | | | hr | | | 6,080 | | 3,04 | |
|  | | | 331451 | | Electric drills | | | hr | | | 6,080 | | 3,04 | |
| **32** | | |  | | **PE cable duct 25x16 mm** | | | **m** | | |  | | **50,000** | |
|  | | | 60022 | | PE cable duct 25x16 mm | | | m | | | 1,000 | | 50,00 | |
| **33** | | | **08-02-396-10** | | **Metal channel suspended from constructions on tie rods or suspensions, length 3 m** | | | **100 m** | | |  | | **0,240** | |
|  | | | 1 | | Worker | | | mh | | | 49,400 | | 11,856 | |
|  | | | 1011924 | | Electrodes E42A, diameter 4 mm | | | kg | | | 6,840 | | 1,642 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,200 | | 0,048 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 12,500 | | 3,00 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 3,170 | | 0,761 | |
|  | | | 331451 | | Electric drills | | | hr | | | 1,740 | | 0,418 | |
| **34** | | |  | | **Perforated metal gutter 100x50hx3000 mm with cover** | | | **m** | | |  | | **24,000** | |
|  | | | 600jg100x50 | | Perforated metal gutter 100x50hx3000 mm with cover | | | m | | | 1,000 | | 24,00 | |
| **35** | | |  | | **Gutter connector 230mm** | | | **pcs** | | |  | | **16,000** | |
|  | | | 60035 | | Gutter connector 230mm | | | pcs | | | 1,000 | | 16,00 | |
| **36** | | |  | | **Elbow for metal gutter 100x50 mm, 90\* horizontal, with cover** | | | **pcs** | | |  | | **2,000** | |
|  | | | 60036 | | Elbow for metal gutter 100x50 mm, 90\* horizontal, with cover | | | pcs | | | 1,000 | | 2,00 | |
| **37** | | | **08-02-307-1** | | **Ceiling suspension, without wood linings** | | | **pcs** | | |  | | **48,000** | |
|  | | | 1 | | Worker | | | mh | | | 0,550 | | 26,40 | |
| **38** | | |  | | **Threaded rod L=1000 mm M10** | | | **pcs** | | |  | | **48,000** | |
|  | | | 60038 | | Threaded rod L=1000 mm M10 | | | pcs | | | 1,000 | | 48,00 | |
| **39** | | |  | | **Suport orizontal 400 mm** | | | **pcs** | | |  | | **24,000** | |
|  | | | 60039 | | Suport orizontal 400 mm | | | pcs | | | 1,000 | | 24,00 | |
| **40** | | | **08-02-152-3** | | **Metal cable structures: welded construction** | | | **t** | | |  | | **0,005** | |
|  | | | 1 | | Worker | | | mh | | | 45,000 | | 0,225 | |
|  | | | 1011924 | | Electrodes E42A, diameter 4 mm | | | kg | | | 1,520 | | 0,008 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 37,400 | | 0,187 | |
|  | | | 2019408 | | Individual steel structures, welded grids, mass up to 0.1 t | | | t | | | 1,000 | | 0,005 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 15,300 | | 0,076 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total LAN network** | | |  | | | | | | |
| **2.2. Video surveillance** | | | | | | | | | | | | | | |
| **41** | | | **10-04-067-21** | | **Color television equipment: Video camera** | | | **pcs** | | |  | | **10,000** | |
|  | | | 1 | | Worker | | | mh | | | 4,360 | | 43,60 | |
|  | | | 5220075 | | Tin-lead alloys without antimony, brand "ПОС61" | | | kg | | | 0,007 | | 0,07 | |
|  | | | 5500122 | | Flux "FKDT" | | | kg | | | 0,0006 | | 0,006 | |
| **42** | | | **10-08-002-06** | | **Warnings: Construction for installing video cameras** | | | **pcs** | | |  | | **10,000** | |
|  | | | 1 | | Worker | | | mh | | | 0,350 | | 3,50 | |
|  | | | 3009247 | | Caps, type "K-440" | | | 1000 pcs | | | 0,0015 | | 0,015 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,120 | | 1,20 | |
| **43** | | | **10-04-087-14** | | **Central equipment: Digital recording device** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 8,000 | | 8,00 | |
|  | | | 1012073 | | Rough threads | | | kg | | | 0,0005 | | 0,00 | |
|  | | | 1110109 | | Plastic marking sheets | | | 100 pcs | | | 0,020 | | 0,02 | |
|  | | | 5009062 | | Cable lugs | | | pcs | | | 2,000 | | 2,00 | |
|  | | | 5220077 | | Tin-lead solder alloys without antimony, brand "ПОС30" | | | kg | | | 0,006 | | 0,006 | |
| **44** | | | **10-04-101-10** | | **Subscriber equipment and miscellaneous equipment: Hard disk** | | | **pcs** | | |  | | **2,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,000 | | 2,00 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,010 | | 0,02 | |
| **45** | | | **10-02-051-03** | | **Laying, connecting cables, conductors, bars: Cable connection bridges between sections of a stand: with laying in cable channel - RJ45 connector, Cat.5e, for connecting video cameras.** | | | **100 pcs** | | |  | | **0,100** | |
|  | | | 1 | | Worker | | | mh | | | 4,100 | | 0,41 | |
| **46** | | |  | | **Conector RJ-45 cat. 5e** | | | **pcs** | | |  | | **10,000** | |
|  | | | 600RJ45 | | Conector RJ-45 cat. 5e | | | pcs | | | 1,000 | | 10,00 | |
| **47** | | | **08-02-412-2** | | **Insertion of conductors into laid pipes and hoses: total cross-section up to 6 mm2** | | | **100 m** | | |  | | **6,100** | |
|  | | | 1 | | Worker | | | mh | | | 6,740 | | 41,114 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,020 | | 0,122 | |
|  | | | 5009041 | | Clamping device - branching | | | 100 pcs | | | 0,310 | | 1,891 | |
|  | | | 5009056 | | Insulation caps | | | 10 pcs | | | 0,800 | | 4,88 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 12,200 | | 74,42 | |
|  | | | 5009140 | | Connection plugs | | | 100 pcs | | | 0,050 | | 0,305 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,122 | |
|  | | | 5440089 | | Insulating adhesive tape on polycasin compound, brand "ЛСЭПЛ", width 20-30 mm, thickness from 0.14 to 0.19 mm inclusive | | | kg | | | 0,160 | | 0,976 | |
| **48** | | |  | | **Cat.5e cable with 4x2 copper conductors, shielded, 24 AWG, solid, HF** | | | **m** | | |  | | **610,000** | |
|  | | | 600cat5e-4x2 | | Cat.5e cable with 4x2 copper conductors, shielded, 24 AWG, solid, HF | | | m | | | 1,000 | | 610,00 | |
| **49** | | | **08-02-409-1** | | **Vinyl plastic pipe on installed structures, on walls and columns, fixing with clamps, diameter up to 25 mm** | | | **100 m** | | |  | | **0,400** | |
|  | | | 1 | | Worker | | | mh | | | 23,800 | | 9,52 | |
|  | | | 1010813 | | Low carbon steel wire for various purposes, galvanized, diameter 3.0 mm | | | t | | | 0,0021 | | 0,001 | |
|  | | | 1011924 | | Electrodes E42A, diameter 4 mm | | | kg | | | 0,960 | | 0,384 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 13,400 | | 5,36 | |
|  | | | 1139042 | | Glue "BMK-5k" | | | kg | | | 0,200 | | 0,08 | |
|  | | | 5009030 | | flanges | | | 10 pcs | | | 1,000 | | 0,40 | |
|  | | | 5009031 | | clamp | | | 10 pcs | | | 6,700 | | 2,68 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 18,000 | | 7,20 | |
|  | | | 5009070 | | connection | | | 10 pcs | | | 1,800 | | 0,72 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 2,700 | | 1,08 | |
|  | | | 331451 | | Electric drills | | | hr | | | 4,840 | | 1,936 | |
| **50** | | |  | | **PE corrugated pipe ф20** | | | **m** | | |  | | **40,000** | |
|  | | | 600PE20 | | PE corrugated pipe ф20 | | | m | | | 1,000 | | 40,00 | |
| **51** | | | **08-02-390-1** | | **Plastic channels with width: up to 40 mm.** | | | **100 m** | | |  | | **0,400** | |
|  | | | 1 | | Worker | | | mh | | | 16,290 | | 6,516 | |
|  | | | 101-1485 | | Round head screws 4х40 mm | | | kg | | | 1,000 | | 0,40 | |
|  | | | 101-2202 | | Polyethylene spacers 6х40 mm | | | pcs | | | 200,000 | | 80,00 | |
|  | | | 134041 | | Screwdriver | | | hr | | | 6,080 | | 2,432 | |
|  | | | 331451 | | Electric drills | | | hr | | | 6,080 | | 2,432 | |
| **52** | | |  | | **PE cable duct 25x16 mm** | | | **m** | | |  | | **40,000** | |
|  | | | 60022 | | PE cable duct 25x16 mm | | | m | | | 1,000 | | 40,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Video surveillance** | | |  | | | | | | |
| **2.3. Access control system** | | | | | | | | | | | | | | |
| **53** | | | **10-08-001-05** | | **Receiving devices: controller for managing 1 door** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 6,000 | | 6,00 | |
|  | | | 1011963 | | Pine rosin | | | kg | | | 0,0016 | | 0,002 | |
|  | | | 1012206 | | Plastic dowels, screws 12x70 mm | | | 10 pcs | | | 0,300 | | 0,30 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,016 | | 0,016 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,130 | | 0,13 | |
| **54** | | | **08-01-121-1** | | **Stationary acid battery, type: С-1, СК-1** | | | **pcs** | | |  | | **2,000** | |
|  | | | 1 | | Worker | | | mh | | | 2,060 | | 4,12 | |
| **55** | | | **10-08-001-13** | | **Access control reader installation** | | | **pcs** | | |  | | **2,000** | |
|  | | | 1 | | Worker | | | mh | | | 4,000 | | 8,00 | |
|  | | | 1011963 | | Pine rosin | | | kg | | | 0,001 | | 0,002 | |
|  | | | 1012206 | | Plastic dowels, screws 12x70 mm | | | 10 pcs | | | 0,300 | | 0,60 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,008 | | 0,016 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,130 | | 0,26 | |
| **56** | | | **10-08-002-04** | | **Automatic "OS" alarms: contact, magnetic contact when opening windows, doors** | | | **pcs** | | |  | | **2,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,000 | | 2,00 | |
|  | | | 1010329 | | Glue "88-SA" | | | kg | | | 0,010 | | 0,02 | |
|  | | | 1011963 | | Pine rosin | | | kg | | | 0,0002 | | 0,00 | |
|  | | | 5009264 | | Polyvinyl chloride tube | | | kg | | | 0,00142 | | 0,003 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,002 | | 0,004 | |
| **57** | | | **CK33C** | | **Electromechanical lock** | | | **pcs** | | |  | | **1,000** | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,080 | | 0,08 | |
|  | | | 7422010060100 | | Timplar | | | mh | | | 2,420 | | 2,42 | |
|  | | | 2874115829126 | | Slotted countersunk head screws 6 x 30 mm | | | pcs | | | 6,000 | | 6,00 | |
| **58** | | | **CK33A** | | **Automatic door closing device** | | | **pcs** | | |  | | **2,000** | |
|  | | | 7214070021400 | | Metal construction locksmith | | | mh | | | 1,900 | | 3,80 | |
|  | | | 9310060019920 | | Construction Operative | | | mh | | | 0,060 | | 0,12 | |
|  | | | 2430226100034 | | Anticorrosive lead primer g.351-4 S 3097-80 | | | kg | | | 0,030 | | 0,06 | |
| **59** | | | **08-02-412-2** | | **Insertion of conductors into laid pipes and hoses: total cross-section up to 6 mm2** | | | **100 m** | | |  | | **1,400** | |
|  | | | 1 | | Worker | | | mh | | | 6,740 | | 9,436 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,020 | | 0,028 | |
|  | | | 5009041 | | Clamping device - branching | | | 100 pcs | | | 0,310 | | 0,434 | |
|  | | | 5009056 | | Insulation caps | | | 10 pcs | | | 0,800 | | 1,12 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 12,200 | | 17,08 | |
|  | | | 5009140 | | Connection plugs | | | 100 pcs | | | 0,050 | | 0,07 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,028 | |
|  | | | 5440089 | | Insulating adhesive tape on polycasin compound, brand "ЛСЭПЛ", width 20-30 mm, thickness from 0.14 to 0.19 mm inclusive | | | kg | | | 0,160 | | 0,224 | |
| **60** | | |  | | **Cat.5e cable with 4x2 copper conductors, shielded, 24 AWG, solid, HF** | | | **m** | | |  | | **50,000** | |
|  | | | 600cat5e-4x2 | | Cat.5e cable with 4x2 copper conductors, shielded, 24 AWG, solid, HF | | | m | | | 1,000 | | 50,00 | |
| **61** | | |  | | **Copper power cable VVGng(A)-FRHF 2x0.75 mm2** | | | **m** | | |  | | **40,000** | |
|  | | | 600VVGng-FRHF-2x0,75 | | Copper power cable VVGng(A)-FRHF 2x0.75 mm2 | | | m | | | 1,000 | | 40,00 | |
| **62** | | |  | | **Signaling cable with copper conductors AC ng(A)-FRHF-2x0.5** | | | **m** | | |  | | **50,000** | |
|  | | | 600VVGng-FRHF-2x0,5 | | Signaling cable with copper conductors AC ng(A)-FRHF-2x0.5 | | | m | | | 1,000 | | 50,00 | |
| **63** | | | **08-02-409-1** | | **Vinyl plastic pipe on installed structures, on walls and columns, fixing with clamps, diameter up to 25 mm** | | | **100 m** | | |  | | **0,300** | |
|  | | | 1 | | Worker | | | mh | | | 23,800 | | 7,14 | |
|  | | | 1010813 | | Low carbon steel wire for various purposes, galvanized, diameter 3.0 mm | | | t | | | 0,0021 | | 0,001 | |
|  | | | 1011924 | | Electrodes E42A, diameter 4 mm | | | kg | | | 0,960 | | 0,288 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 13,400 | | 4,02 | |
|  | | | 1139042 | | Glue "BMK-5k" | | | kg | | | 0,200 | | 0,06 | |
|  | | | 5009030 | | flanges | | | 10 pcs | | | 1,000 | | 0,30 | |
|  | | | 5009031 | | clamp | | | 10 pcs | | | 6,700 | | 2,01 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 18,000 | | 5,40 | |
|  | | | 5009070 | | connection | | | 10 pcs | | | 1,800 | | 0,54 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 2,700 | | 0,81 | |
|  | | | 331451 | | Electric drills | | | hr | | | 4,840 | | 1,452 | |
| **64** | | |  | | **PE corrugated pipe ф20** | | | **m** | | |  | | **30,000** | |
|  | | | 600PE20 | | PE corrugated pipe ф20 | | | m | | | 1,000 | | 30,00 | |
| **65** | | | **08-02-390-1** | | **Plastic channels with width: up to 40 mm.** | | | **100 m** | | |  | | **0,200** | |
|  | | | 1 | | Worker | | | mh | | | 16,290 | | 3,258 | |
|  | | | 101-1485 | | Round head screws 4х40 mm | | | kg | | | 1,000 | | 0,20 | |
|  | | | 101-2202 | | Polyethylene spacers 6х40 mm | | | pcs | | | 200,000 | | 40,00 | |
|  | | | 134041 | | Screwdriver | | | hr | | | 6,080 | | 1,216 | |
|  | | | 331451 | | Electric drills | | | hr | | | 6,080 | | 1,216 | |
| **66** | | |  | | **PE cable duct 25x16 mm** | | | **m** | | |  | | **20,000** | |
|  | | | 60022 | | PE cable duct 25x16 mm | | | m | | | 1,000 | | 20,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Access control system** | | |  | | | | | | |
| **2.4. Visual notification system** | | | | | | | | | | | | | | |
| **67** | | | **10-06-037-05** | | **Wall cabinet, size, mm, up to: 640х840** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 2,060 | | 2,06 | |
|  | | | 1012206 | | Plastic dowels, screws 12x70 mm | | | 10 pcs | | | 1,200 | | 1,20 | |
|  | | | 1130211 | | Protective enamel "EP-140" | | | kg | | | 0,900 | | 0,90 | |
| **68** | | |  | | **Icon on the panel** | | | **pcs** | | |  | | **1,000** | |
|  | | | 201 | | Icon on the panel | | | pcs | | | 1,000 | | 1,00 | |
| **69** | | | **10-04-030-03** | | **Additional installation of parts on desks and panels: Button** | | | **pcs** | | |  | | **12,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,000 | | 12,00 | |
| **70** | | | **08-03-532-4** | | **Control station with buttons, common purpose, mounted on wall or column construction, quantity of station elements up to 3** | | | **pcs** | | |  | | **5,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,800 | | 9,00 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,050 | | 0,25 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,014 | | 0,07 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 1,220 | | 6,10 | |
|  | | | 1019760 | | Electrical insulation varnish "318" | | | kg | | | 0,006 | | 0,03 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,035 | | 0,175 | |
|  | | | 5009081 | | Flexible connection bridges, type "ПГС-50" | | | pcs | | | 1,000 | | 5,00 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,010 | | 0,05 | |
|  | | | 5009502 | | Extremity plugs | | | 100 pcs | | | 0,061 | | 0,305 | |
|  | | | 5009619 | | Sewing thread | | | kg | | | 0,001 | | 0,005 | |
|  | | | 5429033 | | Technical grease | | | kg | | | 0,006 | | 0,03 | |
|  | | | 5440089 | | Insulating adhesive tape on polycasin compound, brand "ЛСЭПЛ", width 20-30 mm, thickness from 0.14 to 0.19 mm inclusive | | | kg | | | 0,012 | | 0,06 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,040 | | 0,20 | |
| **71** | | | **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** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,130 | | 1,13 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,060 | | 0,06 | |
|  | | | 5009807 | | Marking head formations | | | 100 pcs | | | 0,020 | | 0,02 | |
| **72** | | | **08-03-575-1** | | **Device: DIN rail** | | | **pcs** | | |  | | **2,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,120 | | 2,24 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,020 | | 0,04 | |
| **73** | | |  | | **DIN rail for installing contacts** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700DIN | | DIN rail for installing contacts | | | pcs | | | 1,000 | | 2,00 | |
| **74** | | |  | | **Screw terminal, 2.5 mm2, for DIN rail installation** | | | **pcs** | | |  | | **60,000** | |
|  | | | 700clema | | Screw terminal, 2.5 mm2, for DIN rail installation | | | pcs | | | 1,000 | | 60,00 | |
| **75** | | | **10-06-037-05** | | **Wall cabinet, size, mm, up to: 640х840** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 2,060 | | 2,06 | |
|  | | | 1012206 | | Plastic dowels, screws 12x70 mm | | | 10 pcs | | | 1,200 | | 1,20 | |
|  | | | 1130211 | | Protective enamel "EP-140" | | | kg | | | 0,900 | | 0,90 | |
| **76** | | |  | | **Icon on the panel** | | | **pcs** | | |  | | **1,000** | |
|  | | | 201 | | Icon on the panel | | | pcs | | | 1,000 | | 1,00 | |
| **77** | | | **10-04-030-03** | | **Additional installation of parts on desks and panels: Button** | | | **pcs** | | |  | | **12,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,000 | | 12,00 | |
| **78** | | | **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** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,130 | | 1,13 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,060 | | 0,06 | |
|  | | | 5009807 | | Marking head formations | | | 100 pcs | | | 0,020 | | 0,02 | |
| **79** | | | **08-03-575-1** | | **Device: DIN rail** | | | **pcs** | | |  | | **2,000** | |
|  | | | 1 | | Worker | | | mh | | | 1,120 | | 2,24 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 0,020 | | 0,04 | |
| **80** | | |  | | **DIN rail for installing contacts** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700DIN | | DIN rail for installing contacts | | | pcs | | | 1,000 | | 2,00 | |
| **81** | | |  | | **Screw terminal, 2.5 mm2, for DIN rail installation** | | | **pcs** | | |  | | **30,000** | |
|  | | | 700clema | | Screw terminal, 2.5 mm2, for DIN rail installation | | | pcs | | | 1,000 | | 30,00 | |
| **82** | | | **11-07-001-02** | | **Auxiliary equipment and auxiliary devices: travel switch** | | | **pcs** | | |  | | **4,000** | |
|  | | | 1 | | Worker | | | mh | | | 2,060 | | 8,24 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 0,100 | | 0,40 | |
| **83** | | | **08-03-593-10** | | **Wall lighting indicators** | | | **100 pcs** | | |  | | **0,110** | |
|  | | | 1 | | Worker | | | mh | | | 98,200 | | 10,802 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 4,080 | | 0,449 | |
|  | | | 5070001 | | Uninsulated conductors for overhead power lines, made of copper, "M" brand, section 4 mm2 | | | t | | | 0,00153 | | 0,00 | |
|  | | | 5440089 | | Insulating adhesive tape on polycasin compound, brand "ЛСЭПЛ", width 20-30 mm, thickness from 0.14 to 0.19 mm inclusive | | | kg | | | 0,210 | | 0,023 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 25,600 | | 2,816 | |
| **84** | | | **08-02-412-2** | | **Insertion of conductors into laid pipes and hoses: total cross-section up to 6 mm2** | | | **100 m** | | |  | | **2,100** | |
|  | | | 1 | | Worker | | | mh | | | 6,740 | | 14,154 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,020 | | 0,042 | |
|  | | | 5009041 | | Clamping device - branching | | | 100 pcs | | | 0,310 | | 0,651 | |
|  | | | 5009056 | | Insulation caps | | | 10 pcs | | | 0,800 | | 1,68 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 12,200 | | 25,62 | |
|  | | | 5009140 | | Connection plugs | | | 100 pcs | | | 0,050 | | 0,105 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,042 | |
|  | | | 5440089 | | Insulating adhesive tape on polycasin compound, brand "ЛСЭПЛ", width 20-30 mm, thickness from 0.14 to 0.19 mm inclusive | | | kg | | | 0,160 | | 0,336 | |
| **85** | | |  | | **Copper signal cable (A)-FRHF-3x0.75 mm2** | | | **m** | | |  | | **60,000** | |
|  | | | 600ng-FRHF-3x0,75 | | Copper signal cable (A)-FRHF-3x0.75 mm2 | | | m | | | 1,000 | | 60,00 | |
| **86** | | |  | | **Copper power cable ВВГнг(А)-FRHF-3x1.5 mm2** | | | **m** | | |  | | **150,000** | |
|  | | | 600VVGng-FRHF-3x1,5 | | Copper power cable ВВГнг(А)-FRHF-3x1.5 mm2 | | | m | | | 1,000 | | 150,00 | |
| **87** | | | **08-02-412-3** | | **Insertion of conductors into laid pipes and hoses: total cross-section up to 16 mm2** | | | **100 m** | | |  | | **3,000** | |
|  | | | 1 | | Worker | | | mh | | | 7,860 | | 23,58 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,020 | | 0,06 | |
|  | | | 5009041 | | Clamping device - branching | | | 100 pcs | | | 0,310 | | 0,93 | |
|  | | | 5009056 | | Insulation caps | | | 10 pcs | | | 0,800 | | 2,40 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 12,200 | | 36,60 | |
|  | | | 5009140 | | Connection plugs | | | 100 pcs | | | 0,050 | | 0,15 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,06 | |
|  | | | 5440089 | | Insulating adhesive tape on polycasin compound, brand "ЛСЭПЛ", width 20-30 mm, thickness from 0.14 to 0.19 mm inclusive | | | kg | | | 0,320 | | 0,96 | |
| **88** | | |  | | **Copper power cable КВВГнг 5x1.5 mm2** | | | **m** | | |  | | **250,000** | |
|  | | | 600KVVGng-5x1.5 | | Copper power cable КВВГнг 5x1.5 mm2 | | | m | | | 1,000 | | 250,00 | |
| **89** | | |  | | **Copper power cable КВВГнг 10x1.5 mm2** | | | **m** | | |  | | **50,000** | |
|  | | | 600KVVGng-10x1.5 | | Copper power cable КВВГнг 10x1.5 mm2 | | | m | | | 1,000 | | 50,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Visual notification system** | | |  | | | | | | |
| **2.5. Notification system** | | | | | | | | | | | | | | |
| **90** | | | **10-08-001-01** | | **Receiving devices: Amplifier** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 24,000 | | 24,00 | |
|  | | | 1011963 | | Pine rosin | | | kg | | | 0,0056 | | 0,006 | |
|  | | | 1012206 | | Plastic dowels, screws 12x70 mm | | | 10 pcs | | | 0,400 | | 0,40 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,056 | | 0,056 | |
|  | | | 330206 | | Electric drills | | | hr | | | 0,160 | | 0,16 | |
| **91** | | | **10-04-064-01** | | **Tabletop equipment: Tabletop megaphone** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 3,000 | | 3,00 | |
|  | | | 1011665 | | Electro-insulating varnish "318" | | | kg | | | 0,020 | | 0,02 | |
|  | | | 1012073 | | Rough threads | | | kg | | | 0,016 | | 0,016 | |
|  | | | 5220077 | | Tin-lead solder alloys without antimony, brand "ПОС30" | | | kg | | | 0,010 | | 0,01 | |
|  | | | 5440089 | | Insulating adhesive tape on polycasin compound, brand "ЛСЭПЛ", width 20-30 mm, thickness from 0.14 to 0.19 mm inclusive | | | kg | | | 0,010 | | 0,01 | |
| **92** | | | **10-04-101-07** | | **Subscriber equipment and miscellaneous equipment: Megaphone or sound system: in the room** | | | **pcs** | | |  | | **2,000** | |
|  | | | 1 | | Worker | | | mh | | | 2,000 | | 4,00 | |
|  | | | 1100014 | | Tirfon | | | 100 pcs | | | 0,011 | | 0,022 | |
|  | | | 5440089 | | Insulating adhesive tape on polycasin compound, brand "ЛСЭПЛ", width 20-30 mm, thickness from 0.14 to 0.19 mm inclusive | | | kg | | | 0,015 | | 0,03 | |
| **93** | | | **08-02-412-2** | | **Insertion of conductors into laid pipes and hoses: total cross-section up to 6 mm2** | | | **100 m** | | |  | | **0,400** | |
|  | | | 1 | | Worker | | | mh | | | 6,740 | | 2,696 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,020 | | 0,008 | |
|  | | | 5009041 | | Clamping device - branching | | | 100 pcs | | | 0,310 | | 0,124 | |
|  | | | 5009056 | | Insulation caps | | | 10 pcs | | | 0,800 | | 0,32 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 12,200 | | 4,88 | |
|  | | | 5009140 | | Connection plugs | | | 100 pcs | | | 0,050 | | 0,02 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,008 | |
|  | | | 5440089 | | Insulating adhesive tape on polycasin compound, brand "ЛСЭПЛ", width 20-30 mm, thickness from 0.14 to 0.19 mm inclusive | | | kg | | | 0,160 | | 0,064 | |
| **94** | | |  | | **Audio cable 2x1.5 -ng(A)-FRHF** | | | **m** | | |  | | **40,000** | |
|  | | | 600ng-FRHF-2x1,5 | | Audio cable 2x1.5 -ng(A)-FRHF | | | m | | | 1,000 | | 40,00 | |
| **95** | | | **08-02-409-1** | | **Vinyl plastic pipe on installed structures, on walls and columns, fixing with clamps, diameter up to 25 mm** | | | **100 m** | | |  | | **0,300** | |
|  | | | 1 | | Worker | | | mh | | | 23,800 | | 7,14 | |
|  | | | 1010813 | | Low carbon steel wire for various purposes, galvanized, diameter 3.0 mm | | | t | | | 0,0021 | | 0,001 | |
|  | | | 1011924 | | Electrodes E42A, diameter 4 mm | | | kg | | | 0,960 | | 0,288 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 13,400 | | 4,02 | |
|  | | | 1139042 | | Glue "BMK-5k" | | | kg | | | 0,200 | | 0,06 | |
|  | | | 5009030 | | flanges | | | 10 pcs | | | 1,000 | | 0,30 | |
|  | | | 5009031 | | clamp | | | 10 pcs | | | 6,700 | | 2,01 | |
|  | | | 5009061 | | Insulation sheet | | | pcs | | | 18,000 | | 5,40 | |
|  | | | 5009070 | | connection | | | 10 pcs | | | 1,800 | | 0,54 | |
|  | | | 040502 | | Installations for manual electric arc welding (direct current) | | | hr | | | 2,700 | | 0,81 | |
|  | | | 331451 | | Electric drills | | | hr | | | 4,840 | | 1,452 | |
| **96** | | |  | | **PE corrugated pipe ф20** | | | **m** | | |  | | **30,000** | |
|  | | | 600PE20 | | PE corrugated pipe ф20 | | | m | | | 1,000 | | 30,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Notification system** | | |  | | | | | | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | *Social insurance* | | |  | | |  | |  | |
|  | | |  | | *Transport of materials* | | |  | | |  | |  | |
|  | | |  | | *Storage purchase expenses* | | |  | | |  | |  | |
|  | | |  | | *Direct expenses* | | |  | | |  | |  | |
|  | | |  | | *Overhead expenses* | | |  | | |  | |  | |
|  | | |  | | *Total with OE* | | |  | | |  | |  | |
|  | | |  | | *Quote benefit* | | |  | | |  | |  | |
|  | | |  | | **Total Installation work** | | |  | | | | | | |
| **3. Equipment** | | | | | | | | | | | | | | |
| **3.1. LAN network** | | | | | | | | | | | | | | |
| **97** | | |  | | **Wall-mounted cabinet 12U, 650x600x600 mm, 19", disassembled, glass door (load up to 100 kg), for fixing 19" equipment, sides are removable with padlock, with fixing elements included in the set (IT Cabinet 19", 12U (DT.1))** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700IT19 | | Wall-mounted cabinet 12U, 650x600x600 mm, 19", disassembled, glass door (load up to 100 kg), for fixing 19" equipment, sides are removable with padlock, with fixing elements included in the set (IT Cabinet 19", 12U (DT.1)) | | | pcs | | | 1,000 | | 1,00 | |
| **98** | | |  | | **Comutator de acces, cu 24 RJ-45 auto-negotiating 1 Gbps + min. 2 SFP+ 10 Gbps; min. 1 GB DDR3; 512 MB NAND flash, Throughput min. 95 Mpps; Switching capacity 128 Gbps; MAC address table size min. 32k; VLAN table min. 4K; QoS, SSL, RSTP, BPDU, LLDP, LACP, CLI, ACL, SNMP, DHCP-Snooping, IPv4 and IPv6 Management, Telnet/SSH; 19", 1U; P.el. = max. 80 W (de tip HPE Instant On Switch Series 1960 JL806A) sau analog** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700JL806A | | Comutator de acces, cu 24 RJ-45 auto-negotiating 1 Gbps + min. 2 SFP+ 10 Gbps; min. 1 GB DDR3; 512 MB NAND flash, Throughput min. 95 Mpps; Switching capacity 128 Gbps; MAC address table size min. 32k; VLAN table min. 4K; QoS, SSL, RSTP, BPDU, LLDP, LACP, CLI, ACL, SNMP, DHCP-Snooping, IPv4 and IPv6 Management, Telnet/SSH; 19", 1U; P.el. = max. 80 W (de tip HPE Instant On Switch Series 1960 JL806A) | | | pcs | | | 1,000 | | 1,00 | |
| **99** | | |  | | **Comutator de acces, cu 24 RJ-45 auto-negotiating 1 Gbps + min. 2 SFP+ 10 Gbps; min. 1 GB DDR3; 512 MB NAND flash, Throughput min. 95 Mpps; Switching capacity 128 Gbps; MAC address table size min. 32k; VLAN table min. 4K; QoS, SSL, RSTP, BPDU, LLDP, LACP, CLI, ACL, SNMP, DHCP-Snooping, IPv4 and IPv6 Management, Telnet/SSH; 19", 1U; P.el. = max. 480 W (de tip HPE Instant On Switch Series 1960 JL807A) sau analog** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700JL807A | | Comutator de acces, cu 24 RJ-45 auto-negotiating 1 Gbps + min. 2 SFP+ 10 Gbps; min. 1 GB DDR3; 512 MB NAND flash, Throughput min. 95 Mpps; Switching capacity 128 Gbps; MAC address table size min. 32k; VLAN table min. 4K; QoS, SSL, RSTP, BPDU, LLDP, LACP, CLI, ACL, SNMP, DHCP-Snooping, IPv4 and IPv6 Management, Telnet/SSH; 19", 1U; P.el. = max. 480 W (de tip HPE Instant On Switch Series 1960 JL807A) | | | pcs | | | 1,000 | | 1,00 | |
| **100** | | |  | | **Wi-Fi access point; wall and ceiling mount indoor; min. 1 x RJ-45 1 Gbps POE+ (802.3at); BLE Bluetooth; Integrated number of radios 2.4/5.0/6 GHz; aggregated wireless speed min 2.0 Gbps; built-in omni antennas 3.2 dBi for 2.4GHz, 5.3 dBi for 5 GHz; 6 dBi for 6 GHz; BSSID - 8 per radio; Standards 802.11/a/b/g/n/ac/ax; features DL/UL MU-MIMO (de tip Ubiquiti UniFi 6 Enterprise) sau analog** | | | **pcs** | | |  | | **4,000** | |
|  | | | 700UniFI6 | | Wi-Fi access point; wall and ceiling mount indoor; min. 1 x RJ-45 1 Gbps POE+ (802.3at); BLE Bluetooth; Integrated number of radios 2.4/5.0/6 GHz; aggregated wireless speed min 2.0 Gbps; built-in omni antennas 3.2 dBi for 2.4GHz, 5.3 dBi for 5 GHz; 6 dBi for 6 GHz; BSSID - 8 per radio; Standards 802.11/a/b/g/n/ac/ax; features DL/UL MU-MIMO (de tip Ubiquiti UniFi 6 Enterprise) | | | pcs | | | 1,000 | | 4,00 | |
| **101** | | |  | | **PDU (Power distribution unit), 1U, 16A, 200-240V, 50/60Hz, Out-min. 4xCEE 7/3, In-UPS plug 1xIEC 14, horizontal mounting for 19" rack, with safety button** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700PDU | | PDU (Power distribution unit), 1U, 16A, 200-240V, 50/60Hz, Out-min. 4xCEE 7/3, In-UPS plug 1xIEC 14, horizontal mounting for 19" rack, with safety button | | | pcs | | | 1,000 | | 1,00 | |
| **102** | | |  | | **UPS 19", 1U, 1550VA/1100W, Length/Depth max. 560 mm, output min. 4xIEC C13 sockets, Single Phase 220V/230V/240V** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700UPS | | UPS 19", 1U, 1550VA/1100W, Length/Depth max. 560 mm, output min. 4xIEC C13 sockets, Single Phase 220V/230V/240V | | | pcs | | | 1,000 | | 1,00 | |
| **103** | | |  | | **ODF Panel 19: 1U** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700ODF | | ODF Panel 19: 1U | | | pcs | | | 1,000 | | 1,00 | |
| **104** | | |  | | **Modular patch panel Cat5e UTP, fully equipped with 24xRJ45 modules, 19", 1U** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700Patch | | Modular patch panel Cat5e UTP, fully equipped with 24xRJ45 modules, 19", 1U | | | pcs | | | 1,000 | | 2,00 | |
| **105** | | |  | | **Organizer-Perphorated WithCover 1U 19" (cable organizer) orizontal** | | | **pcs** | | |  | | **3,000** | |
|  | | | 700cable-management | | Organizer-Perphorated WithCover 1U 19" (cable organizer) orizontal | | | pcs | | | 1,000 | | 3,00 | |
| **106** | | |  | | **19" 1U telecommunications cabinet rack** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700raft19-1 | | 19" 1U telecommunications cabinet rack | | | pcs | | | 1,000 | | 2,00 | |
| **107** | | |  | | **Patch Cord Cable 2.0 m, copper, FTP Cat. 6A** | | | **pcs** | | |  | | **4,000** | |
|  | | | 70020 | | Patch Cord Cable 2.0 m, copper, FTP Cat. 6A | | | pcs | | | 1,000 | | 4,00 | |
| **108** | | |  | | **Patch Cord Cable 0.5 m, copper, UTP Cat. 5e** | | | **pcs** | | |  | | **48,000** | |
|  | | | 70021 | | Patch Cord Cable 0.5 m, copper, UTP Cat. 5e | | | pcs | | | 1,000 | | 48,00 | |
| **109** | | |  | | **Patch Cord Cable 1.0 m, copper, UTP Cat. 5e** | | | **pcs** | | |  | | **10,000** | |
|  | | | 70022 | | Patch Cord Cable 1.0 m, copper, UTP Cat. 5e | | | pcs | | | 1,000 | | 10,00 | |
| **110** | | |  | | **Patch Cord Cable 3.0 m, copper, UTP Cat. 5e** | | | **pcs** | | |  | | **10,000** | |
|  | | | 70023 | | Patch Cord Cable 3.0 m, copper, UTP Cat. 5e | | | pcs | | | 1,000 | | 10,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total LAN network** | | |  | | | | | | |
| **3.2. Video surveillance** | | | | | | | | | | | | | | |
| **111** | | |  | | **Camera video, min. 2560x1440 (4 MPx), 1/3" CMOS, IR=20m, 2.8 mm F2.2, 802.3 af Class 3, max 9 W (IPOX PX-DI4028IR2DLPW) sau analog** | | | **pcs** | | |  | | **5,000** | |
|  | | | 700PX-DI4028IR2DLPW | | Camera video, min. 2560x1440 (4 MPx), 1/3" CMOS, IR=20m, 2.8 mm F2.2, 802.3 af Class 3, max 9 W (IPOX PX-DI4028IR2DLPW) | | | pcs | | | 1,000 | | 5,00 | |
| **112** | | |  | | **Camera video, min. 3200x1800 (6 MPx), 1/2.7" CMOS, IR=20m, 2.8 mm F1.6, 802.3 af Class 3, max 9 W (IPOX PX-TI6028IR2DL) sau analog** | | | **pcs** | | |  | | **5,000** | |
|  | | | 700PX-TI6028IR2DL | | Camera video, min. 3200x1800 (6 MPx), 1/2.7" CMOS, IR=20m, 2.8 mm F1.6, 802.3 af Class 3, max 9 W (IPOX PX-TI6028IR2DL) | | | pcs | | | 1,000 | | 5,00 | |
| **113** | | |  | | **Registrator video, 32-ch, 2xSATA interfaces, H.265+, H.265, H.264+, H.264, 1x VGA, 2x HDMI (4K UHD/Full HD), 2xRJ45 10/100/1000Mbps, ONVIF, consumul de energie electrica max. 100W (IPOX PX-NVR3282H-L2) sau analog** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700PX-NVR3282H-L2 | | Registrator video, 32-ch, 2xSATA interfaces, H.265+, H.265, H.264+, H.264, 1x VGA, 2x HDMI (4K UHD/Full HD), 2xRJ45 10/100/1000Mbps, ONVIF, consumul de energie electrica max. 100W (IPOX PX-NVR3282H-L2) | | | pcs | | | 1,000 | | 1,00 | |
| **114** | | |  | | **Video surveillance hard drive, 3.5", 20TB, 256M/SATA 6Gb/s/RV Sensor HDD 20TB** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700HDD20TB | | Video surveillance hard drive, 3.5", 20TB, 256M/SATA 6Gb/s/RV Sensor HDD 20TB | | | pcs | | | 1,000 | | 2,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Video surveillance** | | |  | | | | | | |
| **3.3. Access control system** | | | | | | | | | | | | | | |
| **115** | | |  | | **Controller for managing 1 door (1 electromagnetic/electromechanical lock) with 2 readers and 1 magnetic contact on the door for monitoring, RJ45, including 24 VDC/2.2A power supply, in the metal cabinet from the manufacturer type Roger MC16-PAC-ST-1-KIT or analog** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700MC16-1 | | Controller for managing 1 door (1 electromagnetic/electromechanical lock) with 2 readers and 1 magnetic contact on the door for monitoring, RJ45, including 24 VDC/2.2A power supply, in the metal cabinet from the manufacturer, type Roger MC16-PAC-ST-1-KIT | | | pcs | | | 1,000 | | 1,00 | |
| **116** | | |  | | **17Ah battery** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700AC17Ah | | 17Ah battery | | | pcs | | | 1,000 | | 2,00 | |
| **117** | | |  | | **Reader for access control with keypad and integrated contactless card reader (MIFARE Ultralight/Classic), RS485, IP65, compatible with Roger MCT82M keypad or analog access controller** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700MCT82M | | Reader for access control with keypad and integrated contactless card reader (MIFARE Ultralight/Classic), RS485, IP65, compatible with Roger MCT82M keypad access controller | | | pcs | | | 1,000 | | 2,00 | |
| **118** | | |  | | **Magnetic contact for door status** | | | **pcs** | | |  | | **2,000** | |
|  | | | 70081 | | Magnetic contact for door status | | | pcs | | | 1,000 | | 2,00 | |
| **119** | | |  | | **Electromechanical lock, 12V/24 VDC, with contact for monitoring type ASSA ABLOY Trimec ES8000 V-Lock Motorised Bolt or analogue** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700ES8000 | | Electromechanical lock, 12V/24 VDC, with contact for monitoring type ASSA ABLOY Trimec ES8000 V-Lock Motorised Bolt | | | pcs | | | 1,000 | | 1,00 | |
| **120** | | |  | | **Hinged arm damper (door closer), for metal door with door weight m=80 kg, type ASSA ABLOY DC270 or similar** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700DC270 | | Hinged arm damper (door closer), for metal door with door weight m=80 kg type ASSA ABLOY DC270 | | | pcs | | | 1,000 | | 2,00 | |
| **121** | | |  | | **RFID card, Mifare, with the possibility of printing on the card** | | | **pcs** | | |  | | **100,000** | |
|  | | | 700Mifare | | RFID card, Mifare, with the possibility of printing on the card | | | pcs | | | 1,000 | | 100,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Access control system** | | |  | | | | | | |
| **3.4. Visual notification system** | | | | | | | | | | | | | | |
| **122** | | |  | | **Metal panel 400x400x150 mm with key type GT 40-40-15 ETI or similar** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700GT-40-40-15 | | Metal panel 400x400x150 mm with key type GT 40-40-15 ETI | | | pcs | | | 1,000 | | 1,00 | |
| **123** | | |  | | **Illuminated, white, non-fixed, modular, protruding push button type EGPI-W ETI or analogue** | | | **pcs** | | |  | | **4,000** | |
|  | | | 700EGPI-W | | Prominent modular push button with illumination, white, without fixing type EGPI-W ETI | | | pcs | | | 1,000 | | 4,00 | |
| **124** | | |  | | **Illuminated, green, non-removable, modular, EGPI-G ETI or analog type push button** | | | **pcs** | | |  | | **3,000** | |
|  | | | 700EGPI-G | | Prominent modular push button with illumination, green, without fixing type EGPI-G ETI | | | pcs | | | 1,000 | | 3,00 | |
| **125** | | |  | | **Illuminated, yellow, non-removable, modular, EGPI-Y ETI or analog type push button** | | | **pcs** | | |  | | **5,000** | |
|  | | | 700EGPI-Y | | Illuminated, yellow, non-removable, modular, EGPI-Y ETI type push button | | | pcs | | | 1,000 | | 5,00 | |
| **126** | | |  | | **2-position rotary switch, with lock and key, 0-1, 90\*, black type EGK2-XY90-C ETI or analog** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700EGK2-XY90-C | | 2-position rotary switch, with lock and key, 0-1, 90\*, black type EGK2-XY90-C ETI | | | pcs | | | 1,000 | | 2,00 | |
| **127** | | |  | | **2-position rotary switch, latching, illuminated, 0-1, 90\*, red type EGS2I-N90-R ETI or analog** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700EGS2I-N90-R | | 2-position rotary switch, with latching, with illumination, 0-1, 90\*, red type EGS2I-N90-R ETI | | | pcs | | | 1,000 | | 1,00 | |
| **128** | | |  | | **2-position rotary switch, latching, illuminated, 0-1, 90\*, green type EGS2I-N90-G ETI or analog** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700EGS2I-N90-G | | 2-position rotary switch, latching, illuminated, 0-1, 90\*, green type EGS2I-N90-G ETI | | | pcs | | | 1,000 | | 1,00 | |
| **129** | | |  | | **3-position rotary switch, latching, 1-0-2, 45\*, green type EGS3-NN-G ETI or analog** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700EGS3-NN-G | | 3-position rotary switch, with latching, 1-0-2, 45\*, green type EGS3-NN-G ETI | | | pcs | | | 1,000 | | 1,00 | |
| **130** | | |  | | **Complete potentiometer, Harmony XB5, plastic, 22mm, 1000 Ohm tip Schneider XB5 sau analog** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700XB5 | | Complete potentiometer, Harmony XB5, plastic, 22mm, 1000 Ohm tip Schneider XB5 | | | pcs | | | 1,000 | | 1,00 | |
| **131** | | |  | | **Metal panel 300x400hx150 mm with key type GT 40-30-15 ETI or similar** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700GT-40-30-15 | | Metal panel 300x400hx150 mm with key type GT 40-30-15 ETI | | | pcs | | | 1,000 | | 1,00 | |
| **132** | | |  | | **Illuminated, white, non-fixed, modular, protruding push button type EGPI-W ETI or analogue** | | | **pcs** | | |  | | **4,000** | |
|  | | | 700EGPI-W | | Illuminated, white, non-fixed, modular, protruding push button type EGPI-W ETI | | | pcs | | | 1,000 | | 4,00 | |
| **133** | | |  | | **Illuminated, green, non-removable, modular, EGPI-G ETI or analog type push button** | | | **pcs** | | |  | | **3,000** | |
|  | | | 700EGPI-G | | Prominent modular push button with illumination, green, without fixing type EGPI-G ETI | | | pcs | | | 1,000 | | 3,00 | |
| **134** | | |  | | **Illuminated, yellow, non-removable, modular, EGPI-Y ETI or analog type push button** | | | **pcs** | | |  | | **5,000** | |
|  | | | 700EGPI-Y | | Illuminated, yellow, non-removable, modular, EGPI-Y ETI type button | | | pcs | | | 1,000 | | 5,00 | |
| **135** | | |  | | **Complete potentiometer, Harmony XB5, plastic, 22mm, 1000 Ohm tip Schneider XB5 sau analog** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700XB5 | | Complete potentiometer, Harmony XB5, plastic, 22mm, 1000 Ohm tip Schneider XB5 | | | pcs | | | 1,000 | | 1,00 | |
| **136** | | |  | | **Travel switch, for monitoring the door status, Reed Switch type KASAN AZ 7100 or analog** | | | **pcs** | | |  | | **4,000** | |
|  | | | 700AZ-7100 | | Travel switch, for monitoring the door status, Reed Switch type KASAN AZ 7100 | | | pcs | | | 1,000 | | 4,00 | |
| **137** | | |  | | **Indicator light "Z1" and "Z2", round, 230V, 118 lx, yellow, IP65** | | | **pcs** | | |  | | **4,000** | |
|  | | | 700Z1-Z2 | | Indicator light "Z1" and "Z2", round, 230V, 118 lx, yellow, IP65 | | | pcs | | | 1,000 | | 4,00 | |
| **138** | | |  | | **"CAUTION: SHOOTING!" indicator light, rectangular, 230V** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700TRAGERS | | "CAUTION: SHOOTING!" indicator light, rectangular, 230V | | | pcs | | | 1,000 | | 1,00 | |
| **139** | | |  | | **Double indicator light "Red-Green", round, 230V, 118 lx, yellow, IP65** | | | **pcs** | | |  | | **6,000** | |
|  | | | 700134 | | Double indicator light "Red-Green", round, 230V, 118 lx, yellow, IP65 | | | pcs | | | 1,000 | | 6,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Visual notification system** | | |  | | | | | | |
| **3.5. Notification system** | | | | | | | | | | | | | | |
| **140** | | |  | | **IP amplifier for notification system 19" 2U 100V RJ45 TCP/IP UDP Pel=180 W type ITC T-77240B or analog** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700T-77240B | | IP amplifier for notification system 19" 2U 100V RJ45 TCP/IP UDP Pel=180 W type ITC T-77240B | | | pcs | | | 1,000 | | 1,00 | |
| **141** | | |  | | **IP microphone for announcing commands, RJ45 TCP/IP, UDP, IGMP (Multicast) DC24V/2A type ITC T-7702A or analog** | | | **pcs** | | |  | | **1,000** | |
|  | | | 700T-7702A | | IP microphone for command announcement, RJ45 TCP/IP, UDP, IGMP (Multicast) DC24V/2A type ITC T-7702A | | | pcs | | | 1,000 | | 1,00 | |
| **142** | | |  | | **Speaker for installation in the shooting room, 6W, 100V type ITC T-601 or analog** | | | **pcs** | | |  | | **2,000** | |
|  | | | 700T-601 | | Speaker for installation in the shooting room, 6W, 100V type ITC T-601 | | | pcs | | | 1,000 | | 2,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Notification system** | | |  | | | | | | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | *Storage purchase expenses* | | |  | | |  | |  | |
|  | | |  | | **Total Machinery** | | |  | | | | | | |
| **4. Equipment commissioning work** | | | | | | | | | | | | | | |
| **4.1. LAN network** | | | | | | | | | | | | | | |
| **143** | | | **10-06-068-16** | | **Tuning of synchronous digital transmission systems. Tuning of the control and management system: Programming of the network element and adjusting its operation (multiplexer, regenerator)** | | | **pcs** | | |  | | **2,000** | |
|  | | | 1 | | Worker | | | mh | | | 20,000 | | 40,00 | |
| **144** | | | **10-06-068-11** | | **Regulation of synchronous digital transmission systems: Regulation of simple network paths: 2 Mbit/s, or 34 Mbit/s** | | | **pcs** | | |  | | **4,000** | |
|  | | | 1 | | Worker | | | mh | | | 4,000 | | 16,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total LAN network** | | |  | | | | | | |
| **4.2. Video surveillance** | | | | | | | | | | | | | | |
| **145** | | | **1-10-001-1** | | **Collection and production of information signals of protection devices, automation of electrical and technological regimes** | | | **signal** | | |  | | **10,000** | |
|  | | | 5 | | Specialist | | | mh | | | 1,500 | | 15,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Video surveillance** | | |  | | | | | | |
| **4.3. Access control system** | | | | | | | | | | | | | | |
| **146** | | | **1-10-002-1** | | **Signaling sector formation circuit (central, technological, local, emergency, warning, etc.)** | | | **1 sector** | | |  | | **1,000** | |
|  | | | 5 | | Specialist | | | mh | | | 29,000 | | 29,00 | |
| **147** | | | **1-10-001-1** | | **Collection and production of information signals of protection devices, automation of electrical and technological regimes** | | | **signal** | | |  | | **13,000** | |
|  | | | 5 | | Specialist | | | mh | | | 1,500 | | 19,50 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Access control system** | | |  | | | | | | |
| **4.4. Notification system** | | | | | | | | | | | | | | |
| **148** | | | **10-06-068-16** | | **Tuning of synchronous digital transmission systems. Tuning of the control and management system: Programming of the network element and adjusting its operation (multiplexer, regenerator)** | | | **pcs** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | mh | | | 20,000 | | 20,00 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | **Total Notification system** | | |  | | | | | | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | *Social insurance* | | |  | | |  | |  | |
|  | | |  | | *Overhead expenses* | | |  | | |  | |  | |
|  | | |  | | *Quote benefit* | | |  | | |  | |  | |
|  | | |  | | **Total Equipment commissioning work** | | |  | | | | | | |
|  |  | | |  | |  | | |  | | | | | |
|  |  | | |  | |  | | |  | | | | | |
|  | | |  | | Total | | |  | | |  | | | |
|  | | |  | | **Total currency:** | | |  | | | | | |  |

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