|  |  |
| --- | --- |
| **Replanning of the shooting range rooms (basement) and renovation of the gym 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 objective) |  |

**Bill of quantities for works No. 2-1-7**

**Fire alarm (12/25-J-SI)**

Donein 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** | | **Executing excavations up to 5 cm deep in stone or reinforced concrete walls of 5x50 cm2** | | | **m** | | |  | | **20,000** | |
|  | | | 7137010011520 | | Construction electrician | | | h-about | | | 0,200 | | 4,0000 | |
| **2** | | | **RpEJ08F** | | **Excavation of trenches up to 5 cm deep in stone or reinforced concrete walls of 5x100 cm2** | | | **m** | | |  | | **1,500** | |
|  | | | 7137010011520 | | Construction electrician | | | h-about | | | 0,500 | | 0,7500 | |
| **3** | | | **RpEJ09D** | | **Sweeping trenches in walls up to 50 cm2** | | | **m** | | |  | | **20,000** | |
|  | | | 7122050013442 | | Plasterer | | | h-about | | | 0,300 | | 6,0000 | |
|  | | | 2653102100830 | | Plaster for construction type A | | | kg | | | 1,700 | | 34,0000 | |
|  | | | 1421102200525 | | Sorted unwashed river and lake sand 0.0-7.0 mm | | | m3 | | | 0,0005 | | 0,0100 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,010 | | 0,2000 | |
|  | | | 2952270003817 | | 200 L electric mortar mixer | | | how | | | 0,015 | | 0,3000 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tf) window crane | | | how | | | 0,020 | | 0,4000 | |
| **4** | | | **RpEJ09E** | | **Measuring trenches in walls between 50 and 100 cm2** | | | **m** | | |  | | **1,500** | |
|  | | | 7122050013442 | | Plasterer | | | h-about | | | 0,450 | | 0,6750 | |
|  | | | 2653102100830 | | Plaster for construction type A | | | kg | | | 2,250 | | 3,3750 | |
|  | | | 1421102200525 | | Sorted unwashed river and lake sand 0.0-7.0 mm | | | m3 | | | 0,0005 | | 0,0007 | |
|  | | | 2652102100713 | | Lime paste | | | m3 | | | 0,0001 | | 0,0002 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,020 | | 0,0300 | |
|  | | | 2952270003817 | | 200 L electric mortar mixer | | | how | | | 0,020 | | 0,0300 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tf) window crane | | | how | | | 0,030 | | 0,0450 | |
| **5** | | | **RpCU05A1** | | **Making penetrations for pipes or tie rods, for reinforcements, in brick walls or floors up to 15 cm thick, for mechanized penetrations** | | | **Each** | | |  | | **30,000** | |
|  | | | 7122050013400 | | Bricklayer | | | h-about | | | 0,020 | | 0,6000 | |
|  | | | 9310060019920 | | Construction Operative | | | h-about | | | 0,130 | | 3,9000 | |
| **6** | | | **RpCU07A** | | **Filling gaps in walls with plaster mortar after installations or consolidations** | | | **Each** | | |  | | **30,000** | |
|  | | | 7122050013400 | | Bricklayer | | | h-about | | | 0,070 | | 2,1000 | |
|  | | | 9310060019920 | | Construction Operative | | | h-about | | | 0,080 | | 2,4000 | |
|  | | | 2653102100830 | | Plaster for construction type A | | | kg | | | 0,220 | | 6,6000 | |
|  | | | 1421102200513 | | Sorted unwashed river and lake sand 0.0-3.0 mm | | | m3 | | | 0,001 | | 0,0300 | |
|  | | | 4100116202818 | | Water for mortars and concretes | | | m3 | | | 0,005 | | 0,1500 | |
|  | | | 2952270003817 | | 200 L electric mortar mixer | | | how | | | 0,010 | | 0,3000 | |
|  | | | 2922140006703 | | 0.0015 MN (0.15 tf) window crane | | | how | | | 0,015 | | 0,4500 | |
| **7** | | | **IC35C** | | **Pipe for installation in ventilation duct, ф25 mm type TUBOABS0250M INIM or similar** | | | **m** | | |  | | **50,000** | |
|  | | | 7136040011749 | | Heating and gas installer | | | h-about | | | 0,400 | | 20,0000 | |
|  | | | 2521216710000/25 | | Pipe for installation in ventilation duct, ф25 mm type TUBOABS0250M INIM | | | m | | | 1,030 | | 51,5000 | |
| **8** | | | **IC37C** | | **Pipe elbow, external 90\* type SABE300250RS INIM or similar** | | | **Each** | | |  | | **10,000** | |
|  | | | 7136040011749 | | Heating and gas installer | | | h-about | | | 0,300 | | 3,0000 | |
|  | | | 2875274110001/25 | | Pipe elbow, external 90\* type SABE300250RS INIM | | | Each | | | 1,000 | | 10,0000 | |
|  | | | 2681116001666 | | Glassine sanding paper 23 x 30 mm gr 5 | | | Each | | | 0,200 | | 2,0000 | |
| **9** | | | **IC37C** | | **Valve for monitoring the condensation level type WT025 INIM or analogue** | | | **Each** | | |  | | **1,000** | |
|  | | | 7136040011749 | | Heating and gas installer | | | h-about | | | 0,300 | | 0,3000 | |
|  | | | 2875274110001/r25 | | Valve for monitoring the condensation level type WT025 INIM | | | Each | | | 1,000 | | 1,0000 | |
|  | | | 2681116001666 | | Glassine sanding paper 23 x 30 mm gr 5 | | | Each | | | 0,200 | | 0,2000 | |
| **10** | | |  | | **Accessory** | | | **set** | | |  | | **1,000** | |
|  | | | 6009 | | Accessory | | | Each | | | 1,000 | | 1,0000 | |
| **11** | | |  | | **Clamp (clip) for fixing pipe type STS25REDK INIM or similar** | | | **Each** | | |  | | **50,000** | |
|  | | | 60011 | | Clamp (clip) for pipe fixing type STS25REDK INIM | | | Each | | | 1,000 | | 50,0000 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | *Social insurance* | | |  | | |  | |  | |
|  | | |  | | *Transport of materials* | | |  | | |  | |  | |
|  | | |  | | *Storage purchase expenses* | | |  | | |  | |  | |
|  | | |  | | *Direct expenses* | | |  | | |  | |  | |
|  | | |  | | *Overhead expenses* | | |  | | |  | |  | |
|  | | |  | | *Total with OE* | | |  | | |  | |  | |
|  | | |  | | *Quote benefit* | | |  | | |  | |  | |
|  | | |  | | **Total Construction works** | | |  | | | | | | |
| **2. Installation work** | | | | | | | | | | | | | | |
| **12** | | | **10-08-001-01** | | **Receiving devices: 4-zone fire detection panel** | | | **Each** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | h-about | | | 24,000 | | 24,0000 | |
|  | | | 1011963 | | Pine rosin | | | kg | | | 0,0056 | | 0,0056 | |
|  | | | 1012206 | | Plastic dowels, screws 12x70 mm | | | 10 pcs | | | 0,400 | | 0,4000 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,056 | | 0,0560 | |
|  | | | 330206 | | Electric drills | | | how | | | 0,160 | | 0,1600 | |
| **13** | | | **10-08-001-04** | | **Receiving devices: expansion module, communication module** | | | **Each** | | |  | | **3,000** | |
|  | | | 1 | | Worker | | | h-about | | | 11,000 | | 33,0000 | |
|  | | | 1011963 | | Pine rosin | | | kg | | | 0,003 | | 0,0090 | |
|  | | | 1012206 | | Plastic dowels, screws 12x70 mm | | | 10 pcs | | | 0,300 | | 0,9000 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,030 | | 0,0900 | |
|  | | | 330206 | | Electric drills | | | how | | | 0,290 | | 0,8700 | |
| **14** | | | **10-08-001-13** | | **Intermediate devices: relay for automation system, memory module** | | | **Each** | | |  | | **4,000** | |
|  | | | 1 | | Worker | | | h-about | | | 4,000 | | 16,0000 | |
|  | | | 1011963 | | Pine rosin | | | kg | | | 0,001 | | 0,0040 | |
|  | | | 1012206 | | Plastic dowels, screws 12x70 mm | | | 10 pcs | | | 0,300 | | 1,2000 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,008 | | 0,0320 | |
|  | | | 330206 | | Electric drills | | | how | | | 0,130 | | 0,5200 | |
| **15** | | | **10-04-087-14** | | **Central equipment: Digital recording device** | | | **Each** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | h-about | | | 8,000 | | 8,0000 | |
|  | | | 1012073 | | Rough threads | | | kg | | | 0,0005 | | 0,0005 | |
|  | | | 1110109 | | Plastic marking sheets | | | 100 pcs | | | 0,020 | | 0,0200 | |
|  | | | 5009062 | | Cable lugs | | | Each | | | 2,000 | | 2,0000 | |
|  | | | 5220077 | | Tin-lead solder alloys without antimony, brand "ПОС30" | | | kg | | | 0,006 | | 0,0060 | |
| **16** | | | **08-01-121-1** | | **Stationary acid battery, type: С-1, СК-1** | | | **Each** | | |  | | **2,000** | |
|  | | | 1 | | Worker | | | h-about | | | 2,060 | | 4,1200 | |
|  | | | 5220003 | | Foundry aluminum alloys, brand "AK5M2" | | | t | | | 0,00003 | | 0,0001 | |
| **17** | | | **10-04-100-06** | | **Radio transmission node equipment: Mass equipment, weight, up to, kg: 20 / ATS-100** | | | **Each** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | h-about | | | 7,000 | | 7,0000 | |
|  | | | 1012073 | | Rough threads | | | kg | | | 0,002 | | 0,0020 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,012 | | 0,0120 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,006 | | 0,0060 | |
| **18** | | | **10-08-003-03** | | **Devices: power supply and control unit** | | | **Each** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | h-about | | | 5,000 | | 5,0000 | |
|  | | | 1011963 | | Pine rosin | | | kg | | | 0,0016 | | 0,0016 | |
|  | | | 1012206 | | Plastic dowels, screws 12x70 mm | | | 10 pcs | | | 0,300 | | 0,3000 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,016 | | 0,0160 | |
|  | | | 330206 | | Electric drills | | | how | | | 0,130 | | 0,1300 | |
| **19** | | | **08-01-121-1** | | **Stationary acid battery, type: С-1, СК-1** | | | **Each** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | h-about | | | 2,060 | | 2,0600 | |
|  | | | 5220003 | | Foundry aluminum alloys, brand "AK5M2" | | | t | | | 0,00003 | | 0,0000 | |
| **20** | | | **10-08-002-02** | | **Automatic "PS" alarms: smoke, photoelectric, radioisotope, light in standard execution** | | | **Each** | | |  | | **35,000** | |
|  | | | 1 | | Worker | | | h-about | | | 2,000 | | 70,0000 | |
|  | | | 1011963 | | Pine rosin | | | kg | | | 0,0005 | | 0,0175 | |
|  | | | 1012206 | | Plastic dowels, screws 12x70 mm | | | 10 pcs | | | 0,250 | | 8,7500 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,005 | | 0,1750 | |
|  | | | 330206 | | Electric drills | | | how | | | 0,160 | | 5,6000 | |
| **21** | | | **10-04-066-05** | | **Wall switch: Manual trigger** | | | **Each** | | |  | | **4,000** | |
|  | | | 1 | | Worker | | | h-about | | | 1,000 | | 4,0000 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,004 | | 0,0160 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,002 | | 0,0080 | |
| **22** | | | **10-04-066-05** | | **Wall switch: Sirena** | | | **Each** | | |  | | **4,000** | |
|  | | | 1 | | Worker | | | h-about | | | 1,000 | | 4,0000 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,004 | | 0,0160 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,002 | | 0,0080 | |
| **23** | | | **10-01-039-06** | | **Miscellaneous parts: Relay, key, button, etc., with mounting location preparation** | | | **Each** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | h-about | | | 2,000 | | 2,0000 | |
| **24** | | | **11-03-011-01** | | **Devices for analyzing the physico-chemical content of the substance: device, complexity category: I** | | | **set** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | h-about | | | 4,490 | | 4,4900 | |
|  | | | 1012037 | | Zinc-plated bolts with nuts and washers, diameter 8 mm | | | kg | | | 0,364 | | 0,3640 | |
| **25** | | | **10-08-003-03** | | **Devices: power supply and control unit** | | | **Each** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | h-about | | | 5,000 | | 5,0000 | |
|  | | | 1011963 | | Pine rosin | | | kg | | | 0,0016 | | 0,0016 | |
|  | | | 1012206 | | Plastic dowels, screws 12x70 mm | | | 10 pcs | | | 0,300 | | 0,3000 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,016 | | 0,0160 | |
|  | | | 330206 | | Electric drills | | | how | | | 0,130 | | 0,1300 | |
| **26** | | | **08-01-121-1** | | **Stationary acid battery, type: С-1, СК-1** | | | **Each** | | |  | | **2,000** | |
|  | | | 1 | | Worker | | | h-about | | | 2,060 | | 4,1200 | |
|  | | | 5220003 | | Foundry aluminum alloys, brand "AK5M2" | | | t | | | 0,00003 | | 0,0001 | |
| **27** | | | **10-08-001-12** | | **Receiving devices: Intermediate devices for number of rays: 5** | | | **Each** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | h-about | | | 8,000 | | 8,0000 | |
|  | | | 1011963 | | Pine rosin | | | kg | | | 0,0016 | | 0,0016 | |
|  | | | 1012206 | | Plastic dowels, screws 12x70 mm | | | 10 pcs | | | 0,300 | | 0,3000 | |
|  | | | 5220076 | | Tin-lead alloys without antimony, brand "ПОС40" | | | kg | | | 0,016 | | 0,0160 | |
|  | | | 330206 | | Electric drills | | | how | | | 0,130 | | 0,1300 | |
| **28** | | | **11-06-001-01** | | **Panel, mass, kg, up to: 50** | | | **Each** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | h-about | | | 5,150 | | 5,1500 | |
|  | | | 1012039 | | Zinc-plated bolts with nuts and washers, diameter 12 mm | | | kg | | | 0,2378 | | 0,2378 | |
|  | | | 1110120 | | Inscription frame, 55x15 mm | | | Each | | | 10,000 | | 10,0000 | |
|  | | | 1130021 | | Putty "ГФ-021" red-brown | | | t | | | 0,00001 | | 0,0000 | |
|  | | | 1130227 | | Protective enamel "ХВ-124", green | | | t | | | 0,00002 | | 0,0000 | |
|  | | | 2019180 | | Metal gaskets | | | kg | | | 3,000 | | 3,0000 | |
|  | | | 331002 | | Drilling machines | | | how | | | 0,530 | | 0,5300 | |
| **29** | | | **10-06-037-12** | | **Cabinets, boxes and sockets for pipe installations** | | | **100 pcs** | | |  | | **0,060** | |
|  | | | 1 | | Worker | | | h-about | | | 24,720 | | 1,4832 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 2,000 | | 0,1200 | |
|  | | | 1130211 | | Protective enamel "EP-140" | | | t | | | 0,020 | | 0,0012 | |
| **30** | | |  | | **Junction box for connecting equipment at the end of the train** | | | **Each** | | |  | | **6,000** | |
|  | | | 60030 | | Junction box for connecting equipment at the end of the train | | | Each | | | 1,000 | | 6,0000 | |
| **31** | | | **08-02-412-2** | | **Insertion of conductors into laid pipes and hoses: total cross-section up to 6 mm2** | | | **100 m** | | |  | | **9,700** | |
|  | | | 1 | | Worker | | | h-about | | | 6,740 | | 65,3780 | |
|  | | | 1019852 | | Paint | | | kg | | | 0,020 | | 0,1940 | |
|  | | | 5009041 | | Stringing device - branching | | | 100 pcs | | | 0,310 | | 3,0070 | |
|  | | | 5009056 | | Insulation caps | | | 10 pcs | | | 0,800 | | 7,7600 | |
|  | | | 5009061 | | Insulation sheet | | | Each | | | 12,200 | | 118,3400 | |
|  | | | 5009140 | | Connection plugs | | | 100 pcs | | | 0,050 | | 0,4850 | |
|  | | | 5009500 | | Marking sheets | | | 100 pcs | | | 0,020 | | 0,1940 | |
|  | | | 5440089 | | Insulating adhesive tape | | | kg | | | 0,160 | | 1,5520 | |
| **32** | | |  | | **Fire resistant cable min. EI30 JE-H(St)H 1x2x0.8** | | | **m** | | |  | | **500,000** | |
|  | | | 600JE-HH-E30-1x2x0.8 | | Fire resistant cable min. EI30 JE-H(St)H 1x2x0.8 | | | m | | | 1,000 | | 500,0000 | |
| **33** | | |  | | **Fire resistant cable min. EI30 JE-H(St)H 1x2x1** | | | **m** | | |  | | **450,000** | |
|  | | | 600JE-HH-E30-1x2x1 | | Fire resistant cable min. EI30 JE-H(St)H 1x2x1 | | | m | | | 1,000 | | 450,0000 | |
| **34** | | |  | | **Cable with copper conductors 2x2x4, 24 AWG, Cat.5e, EI90** | | | **m** | | |  | | **20,000** | |
|  | | | 600UTP-5e | | Cable with copper conductors 2x2x4, 24 AWG, Cat.5e, EI90 | | | m | | | 1,000 | | 20,0000 | |
| **35** | | | **08-02-409-1** | | **Vinyl plastic pipe on installed structures, on walls and columns, fixing with clamps, diameter up to 25 mm, k=0.5 for labor** | | | **100 m** | | |  | | **0,200** | |
|  | | | 1 | | Worker | | | h-about | | | 23,800 | | 2,3800 | |
|  | | | 1011924 | | Electrodes E42A, diameter 4 mm | | | kg | | | 0,960 | | 0,1920 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 13,400 | | 2,6800 | |
|  | | | 1139042 | | Glue "BMK-5k" | | | kg | | | 0,200 | | 0,0400 | |
|  | | | 5009030 | | flanges | | | 10 pcs | | | 1,000 | | 0,2000 | |
|  | | | 5009031 | | clamp | | | 10 pcs | | | 6,700 | | 1,3400 | |
|  | | | 5009061 | | Insulation sheet | | | Each | | | 18,000 | | 3,6000 | |
|  | | | 5009070 | | connection | | | 10 pcs | | | 1,800 | | 0,3600 | |
|  | | | 331451 | | Electric drills | | | how | | | 4,840 | | 0,9680 | |
| **36** | | |  | | **PE corrugated pipe ф20 mm** | | | **m** | | |  | | **20,000** | |
|  | | | 600/PE20 | | PE corrugated pipe ф20 mm | | | m | | | 1,000 | | 20,0000 | |
| **37** | | | **08-02-390-1** | | **Plastic channels with width: up to 40 mm.** | | | **100 m** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | h-about | | | 16,290 | | 16,2900 | |
|  | | | 101-1485 | | Round head screws 4х40 mm | | | kg | | | 1,000 | | 1,0000 | |
|  | | | 101-2202 | | Polyethylene spacers 6х40 mm | | | Each | | | 200,000 | | 200,0000 | |
|  | | | 134041 | | Screwdriver | | | how | | | 6,080 | | 6,0800 | |
|  | | | 331451 | | Electric drills | | | how | | | 6,080 | | 6,0800 | |
| **38** | | |  | | **PE cable duct 25\*16 mm** | | | **m** | | |  | | **100,000** | |
|  | | | 600cc-25\*16 | | PE cable duct 25\*16 mm | | | m | | | 1,000 | | 100,0000 | |
| **39** | | | **08-02-396-6** | | **Metal channel on walls and ceilings, length 3 m** | | | **100 m** | | |  | | **1,600** | |
|  | | | 1 | | Worker | | | h-about | | | 29,400 | | 47,0400 | |
|  | | | 1011924 | | Electrodes E42A, diameter 4 mm | | | kg | | | 6,840 | | 10,9440 | |
|  | | | 1019103 | | Spacer plugs | | | 100 pcs | | | 0,400 | | 0,6400 | |
|  | | | 1019109 | | Connection plugs | | | 10 pcs | | | 12,500 | | 20,0000 | |
| **40** | | |  | | **Metal gutter, with cover, 50x50 mm** | | | **m** | | |  | | **160,000** | |
|  | | | 600jg-50x50 | | Metal gutter, with cover, 50x50 mm | | | m | | | 1,000 | | 160,0000 | |
| **41** | | | **08-01-087-3** | | **Metal structures under machinery** | | | **t** | | |  | | **0,005** | |
|  | | | 1 | | Worker | | | h-about | | | 62,200 | | 0,3110 | |
|  | | | 1011306 | | Portland cement for construction, brand "500" | | | t | | | 0,180 | | 0,0009 | |
|  | | | 1011924 | | Electrodes E42A, diameter 4 mm | | | kg | | | 4,200 | | 0,0210 | |
|  | | | 1011977 | | Bolts with nuts and washers | | | kg | | | 27,000 | | 0,1350 | |
|  | | | 1019104 | | Spacer plugs with nut | | | 100 pcs | | | 0,800 | | 0,0040 | |
|  | | | 2019408 | | Individual steel structures, welded grids, mass up to 0.1 t | | | t | | | 1,000 | | 0,0050 | |
|  | | | 4080141 | | Natural sand for construction mortars | | | m3 | | | 0,150 | | 0,0008 | |
| **42** | | | **11-06-001-01** | | **Panel, mass, kg, up to: 50** | | | **Each** | | |  | | **1,000** | |
|  | | | 1 | | Worker | | | h-about | | | 5,150 | | 5,1500 | |
|  | | | 1012039 | | Zinc-plated bolts with nuts and washers, diameter 12 mm | | | kg | | | 0,2378 | | 0,2378 | |
|  | | | 1110120 | | Inscription frame, 55x15 mm | | | Each | | | 10,000 | | 10,0000 | |
|  | | | 1130021 | | Putty "ГФ-021" red-brown | | | t | | | 0,00001 | | 0,0000 | |
|  | | | 1130227 | | Protective enamel "ХВ-124", green | | | t | | | 0,00002 | | 0,0000 | |
|  | | | 2019180 | | Metal gaskets | | | kg | | | 3,000 | | 3,0000 | |
|  | | | 331002 | | Drilling machines | | | how | | | 0,530 | | 0,5300 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | *Social insurance* | | |  | | |  | |  | |
|  | | |  | | *Transport of materials* | | |  | | |  | |  | |
|  | | |  | | *Storage purchase expenses* | | |  | | |  | |  | |
|  | | |  | | *Direct expenses* | | |  | | |  | |  | |
|  | | |  | | *Overhead expenses* | | |  | | |  | |  | |
|  | | |  | | *Total with OE* | | |  | | |  | |  | |
|  | | |  | | *Quote benefit* | | |  | | |  | |  | |
|  | | |  | | **Total Installation work** | | |  | | | | | | |
| **3. Equipment** | | | | | | | | | | | | | | |
| **43** | | |  | | **Fire panel - fire detection control panel with 4 security zones, with siren and radio transmitter output, with RIP (SmartLine 036-04, INIM type). In a metal case, red, with glass door, with key or analog** | | | **Each** | | |  | | **1,000** | |
|  | | | 700SmartLine036-04 | | Fire panel - fire detection control panel with 4 security zones, with siren and radio transmitter output, with RIP (SmartLine 036-04, INIM type). In a metal case, red, with glass door, with key | | | Each | | | 1,000 | | 1,0000 | |
| **44** | | |  | | **8-zone expansion module tp SmartLine/8Z or analog** | | | **Each** | | |  | | **2,000** | |
|  | | | 700SmartLine/8Z | | 8-zone expansion module tp SmartLine/8Z | | | Each | | | 1,000 | | 2,0000 | |
| **45** | | |  | | **SmartLAN-485 or analog communication module** | | | **Each** | | |  | | **1,000** | |
|  | | | 700SmartLAN-485 | | SmartLAN-485 communication module | | | Each | | | 1,000 | | 1,0000 | |
| **46** | | |  | | **Relay for automation system REL1INT or analog** | | | **Each** | | |  | | **4,000** | |
|  | | | 700REL1INT | | Relay for automation system REL1INT | | | Each | | | 1,000 | | 4,0000 | |
| **47** | | |  | | **Memory module with 2000 events SmartLineLOG/EXP or analog** | | | **Each** | | |  | | **1,000** | |
|  | | | 700SmarLineLOG/EXP | | SmartLineLOG/EXP 2000 event memory module | | | Each | | | 1,000 | | 1,0000 | |
| **48** | | |  | | **Battery 12V 17A/h** | | | **Each** | | |  | | **2,000** | |
|  | | | 700AC12V/17AC | | Battery 12V 17A/h | | | Each | | | 1,000 | | 2,0000 | |
| **49** | | |  | | **Radio transmitter, with translation of at least 2 separate channels, LARS, LARS1, 1500 mA type ATS-100 or analog** | | | **Each** | | |  | | **1,000** | |
|  | | | 700ATS-100 | | Radio transmitter, with translation of at least 2 separate channels, LARS, LARS1, 1500 mA type ATS-100 | | | Each | | | 1,000 | | 1,0000 | |
| **50** | | |  | | **12V 7A power supply in metal shield** | | | **Each** | | |  | | **1,000** | |
|  | | | 700SA12V-7A | | 12V 7A power supply in metal shield | | | Each | | | 1,000 | | 1,0000 | |
| **51** | | |  | | **Battery 12V 7A** | | | **Each** | | |  | | **1,000** | |
|  | | | 700AC12V/7A | | Battery 12V 7A | | | Each | | | 1,000 | | 1,0000 | |
| **52** | | |  | | **Smoke detector 0.09/40 mA ID100 with EB0010 socket and additional box for installing detectors (type EB0030) or similar** | | | **Each** | | |  | | **23,000** | |
|  | | | 700ID100 | | Smoke detector 0.09/40 mA ID100 with EB0010 socket and additional box for installing detectors (type EB0030) | | | Each | | | 1,000 | | 23,0000 | |
| **53** | | |  | | **Combined detector (smoke and heat detector) 0.09/40 mA ID100 with EB0010 socket and additional box for installing detectors (type EB0030) or analogue** | | | **Each** | | |  | | **16,000** | |
|  | | | 700ID100\* | | Combined detector (smoke and heat detector) 0.09/40 mA ID100 with EB0010 socket and additional box for installing detectors (type EB0030) | | | Each | | | 1,000 | | 16,0000 | |
| **54** | | |  | | **Manual fire release 0.05/40 mA IC0020 or analog** | | | **Each** | | |  | | **4,000** | |
|  | | | 700IC0020 | | Manual fire release 0.05/40 mA IC0020 | | | Each | | | 1,000 | | 4,0000 | |
| **55** | | |  | | **Siren 0.01/50 mA 90dB IS0020RE analog output** | | | **Each** | | |  | | **4,000** | |
|  | | | 700IS0020RE | | Siren 0.01/50 mA 90dB IS0020RE | | | Each | | | 1,000 | | 4,0000 | |
| **56** | | |  | | **Relay with 4 contacts in the REK-77/4 housing or analog** | | | **Each** | | |  | | **1,000** | |
|  | | | 700REK-77/4 | | Relay with 4 contacts in the body РЭК-77/4 | | | Each | | | 1,000 | | 1,0000 | |
| **57** | | |  | | **Suction sensor for monitoring the environment in the ventilation duct class C, with 4 outputs for programming 4 air filter events in a set type INIM FA100 or analog** | | | **Each** | | |  | | **1,000** | |
|  | | | 700FA100 | | Suction sensor for monitoring the environment in the ventilation duct class C, with 4 outputs for programming 4 air filter events in a set type INIM FA100 | | | Each | | | 1,000 | | 1,0000 | |
| **58** | | |  | | **12V 7A power supply in metal shield** | | | **Each** | | |  | | **1,000** | |
|  | | | 700SA12V-7A | | 12V 7A power supply in metal shield | | | Each | | | 1,000 | | 1,0000 | |
| **59** | | |  | | **Battery 12V 7A** | | | **Each** | | |  | | **2,000** | |
|  | | | 700AC12V/7A | | Battery 12V 7A | | | Each | | | 1,000 | | 2,0000 | |
| **60** | | |  | | **Information panel for doubling signals such as SmartLetUSee/LCD-Lite repeaters or analog** | | | **Each** | | |  | | **1,000** | |
|  | | | 700SmartLetUSee | | Information panel for doubling signals type SmartLetUSee/LCD-Lite repeaters | | | Each | | | 1,000 | | 1,0000 | |
| **61** | | |  | | **Information panel housing** | | | **Each** | | |  | | **1,000** | |
|  | | | 700carcasa | | Information panel housing | | | Each | | | 1,000 | | 1,0000 | |
| **62** | | |  | | **Red metal housing with glass door, with key, for installing a fire panel in the corridor** | | | **Each** | | |  | | **1,000** | |
|  | | | 700carcasa2 | | Red metal housing with glass door, with key, for installing a fire panel in the corridor | | | Each | | | 1,000 | | 1,0000 | |
|  | |  | |  | | |  | | |  | |  | | |
|  | | |  | | *Total* | | |  | | |  | |  | |
|  | | |  | | *Storage purchase expenses* | | |  | | |  | |  | |
|  | | |  | | **Total Machinery** | | |  | | | | | | |
|  |  | | |  | |  | | |  | | | | | |
|  |  | | |  | |  | | |  | | | | | |
|  | | |  | | Total | | |  | | |  | | | |
|  | | |  | | **Total currency:** | | |  | | | | | |  |

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