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| ***Interior repair works and modernization of science classrooms in Theoretical Lyceum ''M. Eminescu'' from Drochia*** |  |
| (name of the objective) |  |

***List of quantities of works***

*Architectural-constructive solutions (ACS)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| №  crt. | Rules symbol and Resource Code | Work and expenditure | U.M. | Quantity according to project data |
|

| 1 | | 2 | | 3 | | | | | 4 | | 5 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **1. Demolition works** | | | | |  | |  | |
|  | |  | | **1.1. Dimension 0.000** | | | | |  | |  | |
| 1 | | RpCO56A | | Dismantling: wooden joinery (doors) | | | | | m2 | | 5,78 | |
| 2 | | RpCG29C1 | | Demolition by mechanical means of masonry walls of solid brick, BCA, ceramic or light concrete blocks, GVP bricks, excluding scaffolding and cleaning of bricks, for demolition by mechanical means | | | | | m3 | | 1,78 | |
| 3 | | RpCJ35A | | Removal of loose interior or exterior plaster on walls or ceilings | | | | | m2 | | 174,40 | |
| 4 | | RpCK41C | | Removal of PVC carpet floors with or without textile backing, carpeting | | | | | m2 | | 81,39 | |
| 5 | | RpCK42A | | Removing cold concrete or cement mortar floors | | | | | m2 | | 81,39 | |
| 6 | | RpCB09A | | Removal, by chipping, of protrusions or surface concrete layer | | | | | m2 | | 14,81 | |
| 7 | | TsH92B | | Self-loading soil (earth) with boulders, stones | | | | | t | | 18,00 | |
| 8 | | TsI51A8 | | Transportation of soil by 10 t dumper truck over a distance of: 8 km | | | | | t | | 18,00 | |
| 9 | | TsC51C | | Work on unloading the earth in the warehouse, land cat. III | | | | | 100 m3 | | 0,09 | |
|  | |  | | **Total 1.1 Quota 0.000** | | | | |  | |  | |
|  | |  | | **1.2. 6.600** | | | | |  | |  | |
| 10 | | RpCO56A | | Dismantling: wooden joinery (doors) | | | | | m2 | | 11,15 | |
| 11 | | RpCG29C1 | | Demolition by mechanical means of masonry walls of solid brick, BCA, ceramic or light concrete blocks, GVP bricks, excluding scaffolding and cleaning of bricks, for demolition by mechanical means | | | | | m3 | | 1,79 | |
| 12 | | RpCJ35A | | Removal of loose interior or exterior plaster on walls or ceilings | | | | | m2 | | 422,40 | |
| 13 | | RpCK41C | | Removal of PVC carpet floors with or without textile backing, carpeting | | | | | m2 | | 177,71 | |
| 14 | | RpCK42A | | Removing cold concrete or cement mortar floors | | | | | m2 | | 177,71 | |
| 15 | | RpCB09A | | Removal of protrusions or surface concrete by cutting away | | | | | m2 | | 88,44 | |
| 16 | | TsH92B | | Self-loading soil (earth) with boulders, stones | | | | | t | | 40,00 | |
| 17 | | TsI51A8 | | Transportation of soil by 10 t dumper truck over a distance of: 8 km | | | | | t | | 40,00 | |
| 18 | | TsC51C | | Works on unloading the earth in the warehouse, land categ. III | | | | | 100 m3 | | 0,20 | |
|  | |  | | **Total 1.2 Cota 6.600** | | | | |  | |  | |
|  | |  | | **Total 1 Demolition works** | | | | |  | |  | |
|  | |  | | **2. Finish 0.000** | | | | |  | |  | |
|  | |  | | **2.1. Ceiling** | | | | |  | |  | |
| 19 | | CK29F | | Suspended ceilings made of prefabricated "Armstrong" panels, including grid system. Panel dimensions: 600x600x13 mm. RAL 9003 | | | | | m2 | | 85,82 | |
|  | |  | | **Total 2.1 Ceiling** | | | | |  | |  | |
|  | |  | | **2.2. Pardosele** | | | | |  | |  | |
|  | |  | | **2.2.1. Par1** | | | | |  | |  | |
| 20 | | CN53A | | Grinding interior surfaces with quartz sand-based primer | | | | | m2 | | 14,84 | |
| 21 | | CG17D | | Flooring made of porcelain stoneware tiles RAL7001, class 4 wear-resistant, non-slip, 600x600, thickness 9 mm, with joints filled with disinfectant-resistant grout, including adhesive mortar backing layer, executed on surfaces: greater than 16 m2 | | | | | m2 | | 14,84 | |
| 22 | | CI14B | | Linear elements of porcelain tiles fixed on adhesive h=100 mm  Small material (cirpe, water etc.)=1,0500 | | | | | m | | 13,48 | |
|  | |  | | **Total 2.2.1 Par1** | | | | |  | |  | |
|  | |  | | **2.2.2. Par2** | | | | |  | |  | |
| 23 | | CG56A | | Nivelir" self-leveling screed: thickness 10mm  Small material (expanded polystyrene for deformation joints, cirpe, markers)=1,0050 | | | | | m2 | | 81,81 | |
| 24 | | CG56A1 | | Correction to CG56A: decrease to 1mm thickness: k=5  Coefficient la maneperei=5,0000  Coefficient for materials=5,0000  Coefficient on machine=5.0000 | | | | | m2 | | -81,81 | |
| 25 | | CG49A | | Execution of antibacterial coating of 2 mm thick homogeneous vinyl carpet, class 34-43, on floors with skirting installation  Coarse materials (cirpe )=1,0050 | | | | | m2 | | 81,81 | |
|  | |  | | **Total 2.2.2 Par2** | | | | |  | |  | |
|  | |  | | **2.3. Walls** | | | | |  | |  | |
|  | |  | | **2.3.1. Fin1** | | | | |  | |  | |
| 26 | | CN53A | | Grinding interior surfaces with quartz sand-based primer | | | | | m2 | | 171,40 | |
| 27 | | CF02B | | Interior plastering of 2 cm thick, smooth, handmade, on walls or wall studs, on flat surfaces with cement mortar-var brand M 100-T for sprit, primer and visible layer, on brick masonry or small concrete blocks | | | | | m2 | | 171,40 | |
| 28 | | CC03A | | Mounting galvanized welded nets 20x20 mm, wire diameter 1,5 mm to the walls (Weight 1,45 kg/mp), with net weight up to 3 kg/mp | | | | | kg | | 248,53 | |
| 29 | | CF17B k=2 | | Miscellaneous works - difference in thickness, + 5 mm in the layer of primer applied to the walls, executed with cement mortar M100  Coefficient la maneperei=2,0000  Coefficient for materials=2,0000  Coefficient on machine=2.0000 | | | | | m2 | | 171,40 | |
| 30 | | CF17C | | 80 kg/m2 fiberglass fiberglass interfacing layer, applied as part of the dry-mix plaster | | | | | m2 | | 171,40 | |
| 31 | | CF50B | | Interior plastering of 5 mm thickness, handmade, dry-mixed plaster based on plaster, on walls and partition walls, manual preparation of mortar. | | | | | m2 | | 171,40 | |
| 32 | | CF57A | | Manual application of 1.0 mm thick plaster-based grout on wall, column and ceiling surfaces | | | | | m2 | | 171,40 | |
| 33 | | CF56A | | Manual application of 0.5 mm thick plaster for interior works on wall, column and ceiling surfaces | | | | | m2 | | 171,40 | |
| 34 | | CN53A | | Grinding interior surfaces of walls and ceilings | | | | | m2 | | 171,40 | |
| 35 | | CN06A | | Interior painting with washable paint, applied in 2 coats on the existing plaster, handmade, RAL according to the project "Interior Design" with the characteristic shading of the paint:  - Coverage power: 2 - high coverage power;  - Wet abrasion resistance to DIN EN class 13300: 2 - abrasion resistant. | | | | | m2 | | 171,40 | |
|  | |  | | **Total 2.3.1 Fin 1** | | | | |  | |  | |
|  | |  | | **2.3.2. Fin2** | | | | |  | |  | |
| 36 | | CN53A | | Grinding interior surfaces with quartz sand-based primer | | | | | m2 | | 2,72 | |
| 37 | | CF02B | | Interior plastering of 2 cm thick, roughened, handmade, on walls or wall studs, on flat surfaces with cement mortar-var brand M 100-T for sprit, primer and visible layer, on brick masonry or small concrete blocks | | | | | m2 | | 2,72 | |
| 38 | | CC03A | | Mounting galvanized welded nets 20x20 mm, wire diameter 1,5 mm to the walls (Weight 1,45 kg/mp), with net weight up to 3 kg/mp | | | | | kg | | 3,95 | |
| 39 | | CF17B k=2 | | Miscellaneous works - difference in thickness, + 5 mm in the layer of primer applied to the walls, executed with cement mortar M100  Coefficient la maneperei=2,0000  Coefficient for materials=2,0000  Coefficient on machine=2.0000 | | | | | m2 | | 2,72 | |
| 40 | | CN53A | | Grinding interior surfaces of walls and ceilings | | | | | m2 | | 2,72 | |
| 41 | | CI22B | | Veneer made of ceramic tiles (on walls, pilasters, pillars and glazing) fixed by adhesive (dry mix), size of tiles: 300x300x9 mm  Small materials (cirrus, disk)=1.0100 | | | | | m2 | | 2,72 | |
|  | |  | | **Total 2.3.2 Fin2** | | | | |  | |  | |
|  | |  | | **2.3.3. Fin3** | | | | |  | |  | |
| 42 | | CN53A | | Grinding interior surfaces with quartz sand-based primer | | | | | m2 | | 5,89 | |
| 43 | | CF02B | | Interior plastering of 2 cm thick, roughened, handmade, on walls or wall studs, on flat surfaces with cement mortar-var brand M 100-T for sprit, primer and visible layer, on brick masonry or small concrete blocks | | | | | m2 | | 5,89 | |
| 44 | | CC03A | | Mounting galvanized welded nets 20x20 mm, wire diameter 1,5 mm to the walls (Weight 1,45 kg/mp), with net weight up to 3 kg/mp | | | | | kg | | 8,54 | |
| 45 | | CF17B k=2 | | Miscellaneous works - difference in thickness, + 5 mm in the layer of primer applied to the walls, executed with cement mortar M100  Coefficient la maneperei=2,0000  Coefficient for materials=2,0000  Coefficient on machine=2.0000 | | | | | m2 | | 5,89 | |
| 46 | | CF17C | | 80 kg/m2 fiberglass fiberglass interfacing layer, applied as part of the dry-mix plaster | | | | | m2 | | 5,89 | |
| 47 | | CF50B | | Interior plastering of 5 mm thickness, handmade, dry-mixed plaster based on plaster, on walls and partitions, manual preparation of mortar. | | | | | m2 | | 5,89 | |
| 48 | | CF57A | | Hand application of 1.0 mm thick plaster-based grout on wall, column and ceiling surfaces | | | | | m2 | | 5,89 | |
| 49 | | CF56A | | Manual application of 0.5 mm thick plaster for interior works on wall, column and ceiling surfaces | | | | | m2 | | 5,89 | |
| 50 | | CN53A | | Grinding interior surfaces of walls and ceilings | | | | | m2 | | 5,89 | |
| 51 | | CN06A | | Interior painting with washable paint, applied in 2 coats on the existing plaster, handmade, RAL according to the "Interior Design" project with the characteristic shading of the paint:  - Coverage power: 2 - high coverage power;  - Wet abrasion resistance to DIN EN class 13300: 2 - abrasion resistant. | | | | | m2 | | 5,89 | |
|  | |  | | **Total 2.3.3 Fin3** | | | | |  | |  | |
|  | |  | | **2.3.4. Fin4** | | | | |  | |  | |
| 52 | | CD72D | | Partition walls with a thickness of 100 mm, made of PGC in two layers on both sides, with mineral wool insulation 50 mm thick, with identical metal casing made of CW50 and UW50 profiles, up to 4 m high  Small material (water, wax, etc.)=1,0050 | | | | | m2 | | 8,31 | |
| 53 | | CF57A | | Hand application of 1.0 mm thick plaster-based grout on wall, column and ceiling surfaces | | | | | m2 | | 16,87 | |
| 54 | | CF56A | | Manual application of 0.5 mm thick plaster for interior works on wall, column and ceiling surfaces | | | | | m2 | | 16,87 | |
| 55 | | CN53A | | Grinding interior surfaces of walls and ceilings | | | | | m2 | | 16,87 | |
| 56 | | CN06A | | Interior painting with washable paint, applied in 2 coats on the existing plaster, handmade, RAL according to the project "Interior Design" with the characteristic shading of the paint:  - Coverage power: 2 - high coverage power;  - Wet abrasion resistance to DIN EN class 13300: 2 - abrasion resistant. | | | | | m2 | | 16,87 | |
|  | |  | | **Total 2.3.4.Fin4** | | | | |  | |  | |
|  | |  | | **2.4. Timber** | | | | |  | |  | |
| 57 | | CK03A | | Interior doors in a can. The 40 mm thick can with the following characteristics: filling - stabilizing honeycomb; finish - HPL laminate, model - natural ash wood RAL 1014, covered with matt varnish; smooth surface. Door frame - vertical window size 240x1500 mm, frame made of anodized aluminum, laminated glass 3.1.3. Door Toc material - corner steel, profile 100 mm, electrostatically painted RAL 7044; - hinges minimum 3 per frame, - lacquered, - laminated; - threshold maximum height 20 mm and - anchoring (800x2200(h) mm) | | | | | m2 | | 1,76 | |
| 58 | | CK03A | | Interior doors in a can. The 40 mm thick can with the following characteristics: filling - stabilizing honeycomb; finish - HPL laminate, model - natural ash wood RAL 1014, covered with matt varnish; smooth surface. Door frame - vertical window size 240x1500 mm, frame made of anodized aluminum, laminated glass 3.1.3. Door Toc material - corner steel, profile 100 mm, electrostatically painted RAL 7044; - hinges minimum 3 per frame, - lacquered, - laminated; - threshold maximum height 20 mm and - anchoring (1100x2200(h) mm) | | | | | m2 | | 2,42 | |
| 59 | | CK22C1 | | Internal glazing in aluminum profiles in white aluminum profiles, with threshold max. 20 mm, with semi-transparent tempered glass infill, in fixed panels and door leaf (750x2200(h) mm) (2200x2200(h) mm) | | | | | m2 | | 4,84 | |
|  | |  | | **Total 2.4 Carpentry** | | | | |  | |  | |
|  | |  | | **Total 2 Finishing 0.000** | | | | |  | |  | |
|  | |  | | **3. Finishing the 6.600** | | | | |  | |  | |
|  | |  | | **3.1. Ceiling** | | | | |  | |  | |
| 60 | | CK29F | | Suspended ceilings made of prefabricated "Armstrong" panels, including grid system. Panel dimensions: 600x600x13 mm. RAL 9003 | | | | | m2 | | 237,88 | |
|  | |  | | **Total 3.1 Ceiling** | | | | |  | |  | |
|  | |  | | **3.2. Pardosele** | | | | |  | |  | |
|  | |  | | **3.2.1. Par2** | | | | |  | |  | |
| 61 | | CG56A | | Nivelir" self-leveling screed: thickness 10mm  Small material (expanded polystyrene for deformation joints, cirpe, markers)=1,0050 | | | | | m2 | | 95,40 | |
| 62 | | CG56A1 | | Correction to CG56A: decrease to 1mm thickness: k=5  Coefficient la maneperei=5,0000  Coefficient for materials=5,0000  Coefficient on machine=5.0000 | | | | | m2 | | -95,40 | |
| 63 | | CG49A | | Execution of antibacterial coating of 2 mm thick homogeneous vinyl carpet, class 34-43, on floors with skirting installation  Coarse materials (cirpe )=1,0050 | | | | | m2 | | 95,40 | |
|  | |  | | **Total 3.2.1 Par2** | | | | |  | |  | |
|  | |  | | **3.2.2. Par3** | | | | |  | |  | |
| 64 | | CG56A | | Nivelir" self-leveling screed: thickness 10mm  Small material (expanded polystyrene for deformation joints, cirpe, markers)=1,0050 | | | | | m2 | | 170,11 | |
| 65 | | CG56A1 | | Correction to CG56A: decrease to 1mm thickness: k=5  Coefficient la maneperei=5,0000  Coefficient for materials=5,0000  Coefficient on machine=5.0000 | | | | | m2 | | -170,11 | |
| 66 | | CN53A | | Grinding interior surfaces with quartz sand-based primer | | | | | m2 | | 170,11 | |
| 67 | | CG17D | | Flooring made of porcelain stoneware tiles RAL7001, class 4 wear-resistant, non-slip, 600x600, thickness 9 mm, with joints filled with disinfectant-resistant grout, including the supporting layer of adhesive mortar, executed on surfaces: greater than 16 m2 | | | | | m2 | | 170,11 | |
| 68 | | CI14B | | Linear elements of porcelain tiles fixed on adhesive h=100 mm  Small material (wax, water etc.)=1,0500 | | | | | m | | 94,09 | |
|  | |  | | **Total 3.2.2 Par3** | | | | |  | |  | |
|  | |  | | **3.3. Walls** | | | | |  | |  | |
|  | |  | | **3.3.1. Fin1** | | | | |  | |  | |
| 69 | | CN53A | | Grinding interior surfaces with quartz sand-based primer | | | | | m2 | | 342,21 | |
| 70 | | CF02B | | Interior plastering of 2 cm thick, roughened, handmade, on walls or wall studs, on flat surfaces with cement mortar-var brand M 100-T for sprit, primer and visible layer, on brick masonry or small concrete blocks | | | | | m2 | | 342,21 | |
| 71 | | CC03A | | Mounting galvanized welded nets 20x20 mm, wire diameter 1,5 mm to the walls (Weight 1,45 kg/mp), with net weight up to 3 kg/mp | | | | | kg | | 496,21 | |
| 72 | | CF17B k=2 | | Miscellaneous works - difference in thickness, + 5 mm in the layer of primer applied to the walls, executed with cement mortar M100  Coefficient la maneperei=2,0000  Coefficient for materials=2,0000  Coefficient on machine=2.0000 | | | | | m2 | | 342,21 | |
| 73 | | CF17C | | 80 kg/m2 fiberglass fiberglass interfacing layer, applied as part of the dry-mix plaster | | | | | m2 | | 342,21 | |
| 74 | | CF50B | | Interior plastering of 5 mm thickness, handmade, dry-mixed plaster based on plaster, on walls and partitions, manual preparation of mortar. | | | | | m2 | | 342,21 | |
| 75 | | CF57A | | Hand application of 1.0 mm thick plaster-based grout on wall, column and ceiling surfaces | | | | | m2 | | 342,21 | |
| 76 | | CF56A | | Manual application of 0.5 mm thick plaster for interior works on wall, column and ceiling surfaces | | | | | m2 | | 342,21 | |
| 77 | | CN53A | | Grinding interior surfaces of walls and ceilings | | | | | m2 | | 342,21 | |
| 78 | | CN06A | | Interior painting with washable paint, applied in 2 coats on the existing plaster, handmade, RAL according to the project "Interior Design" with the characteristic shading of the paint:  - Coverage power: 2 - high coverage power;  - Wet abrasion resistance to DIN EN class 13300: 2 - abrasion resistant. | | | | | m2 | | 342,21 | |
|  | |  | | **Total 3.3.1 Fin1** | | | | |  | |  | |
|  | |  | | **3.3.2. Fin2** | | | | |  | |  | |
| 79 | | CN53A | | Grinding interior surfaces with quartz sand-based primer | | | | | m2 | | 16,78 | |
| 80 | | CF02B | | Interior plastering of 2 cm thick, smooth, handmade, on walls or wall studs, on flat surfaces with cement mortar-var brand M 100-T for sprit, primer and visible layer, on brick masonry or small concrete blocks | | | | | m2 | | 16,78 | |
| 81 | | CC03A | | Mounting galvanized welded nets 20x20 mm, wire diameter 1,5 mm to the walls (Weight 1,45 kg/mp), with net weight up to 3 kg/mp | | | | | kg | | 24,33 | |
| 82 | | CF17B k=2 | | Miscellaneous works - difference in thickness, + 5 mm in the layer of primer applied to the walls, executed with cement mortar M100  Coefficient la maneperei=2,0000  Coefficient for materials=2,0000  Coefficient on machine=2.0000 | | | | | m2 | | 16,78 | |
| 83 | | CN53A | | Grinding interior surfaces of walls and ceilings | | | | | m2 | | 16,78 | |
| 84 | | CI22B | | Veneer made of ceramic tiles (on walls, pilasters, pillars and glazing) fixed with adhesive (dry mix), size of tiles: 300x300x9 mm  Small materials (cirrus, disk)=1.0100 | | | | | m2 | | 16,78 | |
|  | |  | | **Total 3.3.2 Fin2** | | | | |  | |  | |
|  | |  | | **3.3.3. Fin3** | | | | |  | |  | |
| 85 | | CN53A | | Grinding interior surfaces with quartz sand-based primer | | | | | m2 | | 20,55 | |
| 86 | | CF02B | | Interior plastering of 2 cm thick, roughened, handmade, on walls or wall studs, on flat surfaces with cement mortar-var brand M 100-T for sprit, primer and visible layer, on brick masonry or small concrete blocks | | | | | m2 | | 20,55 | |
| 87 | | CC03A | | Mounting galvanized welded nets 20x20 mm, wire diameter 1,5 mm to the walls (Weight 1,45 kg/mp), with net weight up to 3 kg/mp | | | | | kg | | 29,80 | |
| 88 | | CF17B k=2 | | Miscellaneous works - difference in thickness, + 5 mm in the layer of primer applied to the walls, executed with cement mortar M100  Coefficient la maneperei=2,0000  Coefficient for materials=2,0000  Coefficient on machine=2.0000 | | | | | m2 | | 20,55 | |
| 89 | | CF17C | | 80 kg/m2 fiberglass fiberglass interfacing layer, applied as part of the dry-mix plaster | | | | | m2 | | 20,55 | |
| 90 | | CF50B | | Interior plastering of 5 mm thickness, handmade, dry-mixed plaster based on plaster, on walls and partitions, manual preparation of mortar. | | | | | m2 | | 20,55 | |
| 91 | | CF57A | | Manual application of 1.0 mm thick plaster-based grout on wall, column and ceiling surfaces | | | | | m2 | | 20,55 | |
| 92 | | CF56A | | Manual application of 0.5 mm thick plaster for interior works on wall, column and ceiling surfaces | | | | | m2 | | 20,55 | |
| 93 | | CN53A | | Grinding interior surfaces of walls and ceilings | | | | | m2 | | 20,55 | |
| 94 | | CN06A | | Interior painting with washable paint, applied in 2 coats on the existing plaster, handmade, RAL according to the "Interior Design" project with the characteristic shading of the paint:  - Coverage power: 2 - high coverage power;  - Wet abrasion resistance to DIN EN class 13300: 2 - abrasion resistant. | | | | | m2 | | 20,55 | |
|  | |  | | **Total 3.3.3 Fin3** | | | | |  | |  | |
|  | |  | | **3.3.4. Fin4, Fin5** | | | | |  | |  | |
| 95 | | CD72D | | Partition walls with a thickness of 100 mm, made of PGC in two layers on both sides, with mineral wool insulation 50 mm thick, with identical metal casing made of CW50 and UW50 profiles, up to 4 m high  Small material (water, cirpe, etc.)=1,0050 | | | | | m2 | | 8,27 | |
| 96 | | CF57A | | Hand application of 1.0 mm thick plaster-based grout on wall, column and ceiling surfaces | | | | | m2 | | 8,57 | |
| 97 | | CF56A | | Manual application of 0.5 mm thick plaster for interior works on wall, column and ceiling surfaces | | | | | m2 | | 8,57 | |
| 98 | | CN53A | | Grinding interior surfaces of walls and ceilings | | | | | m2 | | 8,57 | |
| 99 | | CN06A | | Interior painting with washable paint, applied in 2 coats on the existing plaster, handmade, RAL according to the "Interior Design" project with the characteristic shading of the paint:  - Coverage power: 2 - high coverage power;  - Wet abrasion resistance to DIN EN class 13300: 2 - abrasion resistant. | | | | | m2 | | 8,57 | |
| 100 | | CN53A | | Grinding interior surfaces of walls and ceilings | | | | | m2 | | 8,28 | |
| 101 | | CI22B | | Veneer made of ceramic tiles (on walls, pilasters, pillars and glazing) fixed with adhesive (dry mix), size of tiles: 300x300x9 mm  Small materials (cirrus, disk)=1.0100 | | | | | m2 | | 8,28 | |
|  | |  | | **Total 3.3.4 Fin4, Fin5** | | | | |  | |  | |
|  | |  | | **3.4. Timber** | | | | |  | |  | |
| 102 | | CK03A | | Interior doors in a can. The 40 mm thick can with the following characteristics: filling - stabilizing honeycomb; finish - HPL laminate, model - natural ash wood RAL 1014, covered with matt varnish; smooth surface. Door frame - vertical window size 240x1500 mm, frame made of anodized aluminum, laminated glass 3.1.3. Door Toc material - corner steel, profile 100 mm, electrostatically painted RAL 7044; - hinges minimum 3 per frame, - lacquered, - laminated; - threshold maximum height 20 mm and - anchoring (700x2200(h) mm) | | | | | m2 | | 1,54 | |
| 103 | | CK03A | | Interior doors in a can. The 40 mm thick can with the following characteristics: filling - stabilizing honeycomb; finish - HPL laminate, model - natural ash wood RAL 1014, covered with matt varnish; smooth surface. Door frame - vertical window size 240x1500 mm, frame made of anodized aluminum, laminated glass 3.1.3. Door Toc material - corner steel, profile 100 mm, electrostatically painted RAL 7044; - hinges minimum 3 per frame, - lacquered, - laminated; - threshold maximum height 20 mm and - anchoring (900x2200(h) mm) | | | | | m2 | | 1,89 | |
| 104 | | CK03A | | Interior doors in a can. The 40 mm thick can with the following characteristics: filling - stabilizing honeycomb; finish - HPL laminate, model - natural ash wood RAL 1014, covered with matt varnish; smooth surface. Door frame - vertical window size 240x1500 mm, frame made of anodized aluminum, laminated glass 3.1.3. Door Toc material - corner steel, profile 100 mm, electrostatically painted RAL 7044; - hinges minimum 3 per frame, - lacquered, - laminated; - threshold maximum height 20 mm and - anchoring (1100x2200(h) mm) | | | | | m2 | | 7,26 | |
| 105 | | CK22C1 | | Internal glazing in aluminum profiles in white aluminum profiles, with threshold max. 20 mm, with semi-transparent tempered glass infill, in fixed panels and door leaf (750x2200(h) mm) (2200x2200(h) mm) | | | | | m2 | | 4,84 | |
|  | |  | | **Total 3.4 Carpentry** | | | | |  | |  | |
|  | |  | | **Total 3 Finishes Quota 6.600** | | | | |  | |  | |
|  | |  | | **Total** | | | | |  | |  | |
|  |  | |  | |  | |  | | |  | |  |
|  |  | |  | |  | |  | | |  | |  |
|  | |  | | Total | | lei | |  | |  |  | |
|  | |  | | Social insurance | | 24 % | |  | |  |  | |
|  | |  | | Transportation costs | | % | |  | |  |  | |
|  | |  | | Supply and storage expenses | | % | |  | |  |  | |
|  | |  | | Total | |  | |  | |  |  | |
|  | |  | | Director's expenses | | % | |  | |  |  | |
|  | |  | | Total | |  | |  | |  |  | |
|  | |  | | Benefit of the quote | | % | |  | |  |  | |
|  | |  | | Total | |  | |  | |  |  | |
|  | |  | | **Total**  **Including salary** | | | | | | | | |

***List of quantities of works***

*Indoor water supply and sewerage networks (WSS)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| №  crt. | Rules symbol and Resource Code | Work and expenditure | U.M. | Quantity according to project data |
|

| 1 | 2 | 3 | 4 | 5 |
| --- | --- | --- | --- | --- |
|  |  | **1. Construction works** |  |  |
| 1 | TsA02B | Manual digging of soil in limited spaces, less than 1.00 m wide, executed without supports, with vertical slope, in channels, in non-cohesive or poorly cohesive soil, depth < 0.75 m, medium soil (3 m trench) | m3 | 2,00 |
| 2 | AcF03A | Trench fillings in water supply or sewerage pipes, as a substrate, protective layer, insulating or filtering layer in drainage pipes, made with sand | m3 | 0,18 |
| 3 | TsD18B | Compacted trench backfill for buried high-voltage power line cables, made with earth from medium soil | m3 | 2,00 |
| 4 | RpCU05F1 | Execution of pull-outs for pipes or tie rods in stone or reinforced concrete walls of 16-25 cm thickness, for mechanized pull-outs execution | buc | 3,00 |
| 5 | RpCU05I1 | Execution of pull-outs for pipes or tie rods in stone or reinforced concrete walls of 26 - 50 cm, for mechanized pull-outs execution | buc | 3,00 |
| 6 | RpEJ09A | Repairing gaps in walls with plaster mortar | buc | 2,00 |
| 7 | RpEJ09C | Repairing gaps in floors with cement mortar | buc | 1,00 |
| 8 | SD07A | FI-FI ball-flute ball valve with socket and Dutch FI-FI connection, 1/2", PN16  Small material (aspen, mined wood etc)=1,0200 | buc | 4,00 |
| 9 | SA15B | Polypropylene pipe PN16, joined by polyfusion welding, in connecting pipes, sanitary, housing and social-cultural objects, 20 mm diameter | m | 50,00 |
| 10 | SA37B | Bracket for fixing the water and gas supply pipes, made of steel or PVC, mounted by recessing, the pipes having a diameter of 3/ | buc | 16,00 |
| 11 | RpIF09A | Pipe insulation with special insulation sleeves, made of elastomeric foam based on synthetic rubber, inserted on the pipes, type ARMAFLEX AF with diameter and thickness from D=22x7.5 mm  Small materials=1,0500 | m | 50,00 |
| 12 | SF01C | Performing the pressure tightness test of the hot or cold water installation made of polyvinyl chloride pipe, heavy type or plastic, with a diameter of 16-110 mm | m | 50,00 |
| 13 | SF02C | Functional test of the cold water installation made with heavy type polyvinyl chloride or plastic pipe with a diameter of 16 - 110 mm. | 10 m | 5,00 |
| 14 | SF05C | Flushing of the cold or hot water installation, made of plastic pipes with a diameter of 20-75 m | m | 50,00 |
| 15 | SB08E | Polypropylene pipe (PP-R) for sewerage, with rubber gasket, surface mounted or buried under the floor, diameter 110 mm | m | 8,00 |
| 16 | SB08C | Pipe in polypropylene (PP-R) for sewage pipes, joined with rubber gasket, surface mounted or buried under the floor, diameter 50 mm | m | 10,00 |
| 17 | SA37F | Bracket for fixing the water and gas supply pipes, made of steel or PVC, mounted by recessing, the pipes having a diameter of 2". | buc | 10,00 |
| 18 | SB09E | Elbow 45\*, fitted with rubber gasket, diameter 110 mm | buc | 2,00 |
| 19 | SB09E | Eccentric reduction joint with rubber gasket with a diameter of 110x50 mm | buc | 1,00 |
| 20 | SB09C | Elbow 45\*, rubber gasket, diameter 50 mm | buc | 4,00 |
| 21 | SB10C | Connecting piece (single branch) made of plastic material for sewers, joined with rubber gasket, diameter 50 mm, 45\*. | buc | 2,00 |
| 22 | SB09C | Cleaning piece made of PP-R with threaded plug, for sewage, with rubber gasket, diameter 50 mm | buc | 3,00 |
| 23 | SB09E | Cleaning piece made of PP-R with threaded plug, for sewage, with rubber gasket, diameter 110 mm | buc | 1,00 |
| 24 | SA40A | Installation of D=50 mm fire-proof fire protection plugs, fastened to the ceiling with dowels | buc | 3,00 |
| 25 | SB09C | Ventilation cap made of PP-R, for sewers, with rubber gasket, diameter 50 mm | buc | 1,00 |
| 26 | SF04A | Testing of the tightness and operation of the sewerage system made of cast iron pipes, for drainage, polyvinyl chloride pipe, unplasticized, light type or plastic, ductile cast iron pipe with a diameter up to 100 mm inclusive | 10 m | 1,80 |
| 27 | SC04C | Washbasin made of semi-porcelain, sanitary porcelain, etc., including for disabled persons, with plastic drain, mounted on pedestal  Large material (codez, wood dowel, plaster, etc)=1,0200 | buc | 2,00 |
|  |  | **Total 1. Construction works** |  |  |
|  |  | *Total* | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | Supply and storage expenses | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | *Total* |  |  |
|  |  | **Total 1 Construction works** |  |  |
|  |  | **2. Mounting work** |  |  |
| 28 | SD04A | Mixing faucet with swinging arm for washbasin, whatever the closing mode, including for disabled people, with 1/2" diameter. | buc | 2,00 |
|  |  | **Total 2 Assembly work** |  |  |
|  |  | **3. Machine** |  |  |
| 29 | supplier price | Instant water coil, electric 230V, 13A, 3.0 kW, hot water performance 1.2-1.7 l/min | set | 2,00 |
|  |  | Total |  |  |
|  |  | *Supply and storage costs* | 1,2 % |  |
|  |  | **Total 3. Machine** |  |  |
|  |  |  |  |  |
|  |  | **Total**  **Including salary** |  |  |

***List of quantities of works***

*Heating, ventilation, air conditioning (HVAC)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| №  crt. | Rules symbol and Resource Code | Work and expenditure | U.M. | Quantity according to project data |
|

| 1 | 2 | 3 | 4 | 5 |
| --- | --- | --- | --- | --- |
|  |  | **1. Construction works**  **1.1 Heating** |  |  |
| 1 | RpIB11A | Removal of position radiators for dismantling | m2 | 67,20 |
| 2 | RpIC19A | Dismantling of black pipes, for installations, mounted in central heating by welding, in residential and social-cultural buildings, for connecting appliances, distribution columns, etc. with a diameter of 3/8" - 3/4" | m | 32,00 |
| 3 | RpIC19B | Dismantling of black pipes, for installations, mounted in central heating by welding, in residential and social-cultural buildings, for connecting appliances, distribution columns, etc. with a diameter of 1" -1 1/4" | m | 90,00 |
| 4 | IC35B | RAUTITAN stable d=20x2,9 mm high-pressure cross-linked polyethylene pipe, for installation in central heating systems (K=1.4 for fittings)  Coefficient la maneperei=1,4000  Coefficient for materials=1,4000  Coefficient on machine=1.4000 | m | 35,00 |
| 5 | IC36D | RAUTITAN stable high pressure cross-linked polyethylene pipe d=40x5,5 mm, mounted in columns in central heating installations (K=1.4 for fittings)  Coefficient la maneperei=1,4000  Coefficient for materials=1,4000  Coefficient on machine=1.4000 | m | 75,00 |
| 6 | IB06A | Radiators made of steel, one-piece with side connection, built-in deaerator, with fasteners, length up to 1000 mm, type 22K, 500x900 mm | buc | 6,00 |
| 7 | IB06A | Radiators made of steel, one-piece, with side connection, built-in deaerator, with fasteners, length up to 1000 mm, type 33K, 500x1000 mm | buc | 7,00 |
| 8 | IB06B | Steel radiators, one-piece, with side connection, built-in deaerator, with fasteners, length 1001 - 1500 mm, type 33K, 500x1100 mm | buc | 6,00 |
| 9 | IB06B | Radiators made of steel, one-piece with side connection, built-in deaerator, with fasteners, length 1001 - 1500 mm, type 33K, 500x1200 mm | buc | 2,00 |
| 10 | ID13A | Valve type RTR-G, right, DN 15 | buc | 21,00 |
| 11 | ID01A | Corner return, drainable radiator valve with return, for radiators, nominal diameter 1/2", type RLV | buc | 21,00 |
| 12 | ID04B | Ball valve, with spouts for central heating installations, nominal diameter 1 1/4" | buc | 6,00 |
| 13 | IE01A | Performing the pressure tightness test of the central heating installation, with steel, copper, polyethylene or polypropylene piping, with heating bodies, heating appliances, fittings, fittings, distributors, manifolds, collectors and air venting vessels or valves, with total surface of the heating bodies up to 100 square meters | m2 | 58,80 |
| 14 | IE02A | Carrying out the test of expansion and contraction and operation of the central heating installation, with steel, copper, polyethylene or polypropylene piping, with heating bodies, heating appliances, fittings, fittings, distributors, manifolds and air venting vessels or valves, with total surface of the heating bodies up to 100 sq.m. | m2 | 58,80 |
| 15 | IE08A | Potable water flushing of the interior central heating installation, the total surface of the buildings being up to 100 square meters | m2 | 58,80 |
| 16 | IE03A | Pressure tightness testing of the supply pipes of heating appliances (unit heaters, convection heaters, baseboard convectors, etc.) with a diameter of 3/8" ... 1" | m | 35,00 |
| 17 | IE03B | Pressure tightness testing of the supply pipes of heating appliances (unit heaters, convector heaters, baseboard convectors, etc.) with a diameter of 1 1/4" ... 2" | m | 75,00 |
| 18 | IE04A | Performing the expansion and contraction test and functional test of the supply pipes of heating appliances (unit heaters, convector heaters, baseboard convectors, etc.) with a diameter of 3/8" ... 1" | m | 35,00 |
| 19 | IE04B | Performing the expansion and contraction and function test of the supply pipes of heating appliances (unit heaters, convector heaters, baseboard convectors, etc.) with a diameter of 1 1/4" ... 2" | m | 75,00 |
|  |  | **Total1.1 Heating** |  |  |
|  |  | **1.2. Ventilation** |  |  |
| 20 | VA19A | Installation of ventilation ducts class H at floor height up to 3 m made of galvanized sheet metal 0.5 mm thick, with circular section diameter 100 - 180 mm  Small materials (sters, silicone)=1.0100 | m2 | 4,21 |
| 21 | supplier price | KOM100 type directional valve for channels D=100 mm | buc | 2,00 |
| 22 | IzH07B | Mineral wool thermal insulation with a layer of aluminum foil d=50 mm (fire resistant EI30) | m2 | 7,67 |
| 23 | VB27A | Protective cap according to 3K 00.000 series, for circular ducts with perimeter 230 - 700 mm  Small materials=1,0500 | buc | 4,00 |
| 24 | CL20A | Ready-made ventilation grilles with double regulator mounted in the door type MV450R/2 | buc | 6,00 |
| 25 | CL20A | Supply and exhaust air ventilation grilles dimensions 200x200 mm | buc | 1,00 |
| 26 | CL20A | Supply and exhaust air ventilation grilles dimensions 100x100 mm | buc | 1,00 |
| 27 | RCsB29P | Drilling holes in brick and stone masonry, using a diamond core drill with a diameter of 170 mm, L=400 mm (K=3.6)  Coefficient la maneperei=3,6000  Coefficient for materials=3,6000  Coefficient on machine=3.6000 | buc | 6,00 |
| 28 | RCsB29S | Drilling holes in brick and stone masonry, using a diamond core drill with a diameter of 220 mm, L=400 mm (K=4.84)  Coefficient la maneperei=4,8400  Coefficient for materials=4,8400  Coefficient on machine=4.8400 | buc | 1,00 |
| 29 | RCsB29K | Drilling holes in brick and stone masonry, using a diamond core drill with a diameter of: 120 mm, L=400 mm (K=3.6)  Coefficient la maneperei=3,6000  Coefficient for materials=3,6000  Coefficient on machine=3.6000 | buc | 2,00 |
|  |  | **Total 1.2 Ventilation** |  |  |
|  |  | **Total 1 Construction works** |  |  |
|  |  | Total | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | *Supply and storage expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | *Total* |  |  |
|  |  | **Total 1 Construction works** |  |  |
|  |  | **2. Mounting work** |  |  |
|  |  | **2.1. Ventilation** |  |  |
| 30 | VB17A | Intake valve with thermostat | buc | 7,00 |
| 31 | CL20A | Intake valve with humidity and noise damping system type EHA2 22-55 | buc | 1,00 |
| 32 | VC07A | Installation of the dual-flow air intake-exhaust system  Small and assembly materials (screws, oxygen, carbide etc.)=1,0100 | buc | 7,00 |
| 33 | 11-05-00101 | Execution mechanism, mass, kg, up to: 20 Fans | buc | 2,00 |
|  |  | **Total 2.1 Ventilation** |  |  |
|  |  | **2.2 Conditioning** |  |  |
| 34 | 11-04-00201 | Apparatus mass, t, up to: 0,015 - Air cooler | buc | 4,00 |
|  |  | **Total 2.2 Conditioning** |  |  |
|  |  | **Total 2 Assembly work** |  |  |
|  |  | Total | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | *Supply and storage expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | *Total* |  |  |
|  |  | **Total 2 Assembly work** |  |  |
|  |  | **3. Machine** |  |  |
|  |  | **3.1. Ventilation** |  |  |
| 35 | supplier price | Inlet valve with thermostat type VTK-160 or similar | buc | 7,00 |
| 36 | supplier price | EHA2 22-55 or similar type inlet valve with hygroregulation and noise absorber system | buc | 1,00 |
| 37 | supplier price | Air inlet-exhaust double flow system with copper heat exchanger, air preheating function, with the following characteristics: air inlet flow 110 m3/h, air outlet flow 105 m3/h, N=4-12 W/h, 230V, installation diameter - 150 mm, in thermo-insulating casing, with remote control system by remote control PRANA 150C or similar | buc | 6,00 |
| 38 | supplier price | Air inlet-exhaust double flow system with copper heat exchanger, air preheating function, with the following characteristics: air inlet flow rate 220 m3/h, air outlet flow rate 200 m3/h, N=4 - 35 W/h, 230V, system diameter - 200 mm, in thermo-insulated casing, with remote control system by remote control PRANA 200C or similar | buc | 1,00 |
| 39 | supplier price | Productivity fans 85 m3/h, P=49Pa, N=0,016kW, 2300 rotations/min, 230V type VENTS 100M or similar | buc | 2,00 |
|  |  | **Total 3.1 Ventilation** |  |  |
|  |  | **3.2 Conditioning** |  |  |
| 40 | supplier price | Air cooler type Trotec PAE 61 or similar | buc | 4,00 |
|  |  | **Total 3.2 Conditioning** |  |  |
|  |  | *Total* | lei |  |
|  |  | *Supply and storage costs* | 1,2 % |  |
|  |  | **Total 3 Machine** |  |  |
|  |  |  |  |  |
|  |  | **Total**  **Including salary** |  |  |

***List of quantities of works***

*Electrical power equipment. Indoor electric lighting (EEF/IEI)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| №  crt. | Rules symbol and Resource Code | Work and expenditure | U.M. | Quantity according to project data |
|

| 1 | 2 | 3 | 4 | 5 |
| --- | --- | --- | --- | --- |
|  |  | **1. Construction works** |  |  |
| 1 | RpCU05F1 | Execution of pull-outs for pipes or tie rods in stone or reinforced concrete walls of 16-25 cm thickness, for mechanized pull-outs execution | buc | 2,00 |
| 2 | RpCU05I1 | Execution of pull-outs for pipes or tie rods in stone or reinforced concrete walls of 26 - 50 cm, for mechanized pull-outs execution | buc | 5,00 |
| 3 | RpEJ09A | Repairing gaps in walls with plaster mortar | buc | 7,00 |
| 4 | RpEJ08C | Execution of trenches with a depth of up to 5 cm in stone or reinforced concrete walls of 5x50 cmp. | m | 60,00 |
| 5 | RpEJ09D | Wall trench repair up to 50 square meters | m | 60,00 |
|  |  | **Total 1. Construction works** |  |  |
|  |  | *Total* | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | **Total 1. Construction works** |  |  |
|  |  | **2. Assembly work** |  |  |
| 6 | 08-03-572-3 | Control block for cabinet or distribution point (cabinet) execution, wall-mounted, height and width, mm, up to 600х600 | buc | 2,00 |
| 7 | 08-03-575-1 | Device - automatic circuit breakers, load break switches | buc | 34,00 |
| 8 | 08-03-530-4 | Magnetic starter for common use, separate, wall or column mounted, current up to 40 A | buc | 1,00 |
| 9 | 08-02-407-1 | Steel pipes on wall-mounted constructions, fixing with nails, diameter up to 25 mm | 100 m | 9,40 |
| 10 | supplier price | Rigid PVC pipe for electrical assembly d=25 mm | m.l. | 940,00 |
| 11 | 08-02-397-1 | Perforated mounting profile, length 2 m | 100 pcs | 0,10 |
| 12 | supplier price | Perforated profile type K108 L=2.0 m | buc | 10,00 |
| 13 | 08-02-396-6 | Metal channel on walls and ceilings, length 3 m | 100 m | 3,60 |
| 14 | supplier price | Perforated galvanized metal trough section 50x50 mm | m.l. | 360,00 |
| 15 | supplier price | Elbow 90" for galvanized metal gutter 50x50 mm | buc | 50,00 |
| 16 | supplier price | Wall pulley for fixing gutter, B=60 mm | buc | 120,00 |
| 17 | 10-08-01901 | Branch box on wall | buc | 90,00 |
| 18 | supplier price | Distribution box made of corrosion-protected metal, IP54, 171x171x101 mm, type У995 | buc | 30,00 |
| 19 | supplier price | Distribution box in carbolite, IP44, D=102 mm, H=44 mm, type KOP-74 | buc | 50,00 |
| 20 | supplier price | Distribution box У-192 | buc | 10,00 |
| 21 | 08-02-412-3 | Insertion of conductors in metal pipes and hoses: first single-wire or multi-wire conductor in common strand, cross-section up to 16 mm2 | 100 m | 9,40 |
| 22 | 08-02-398-1 | Conductor in troughs, cross-section up to 6 mm2 | 100 m | 3,40 |
| 23 | 08-02-398-2 | Conductor in troughs, cross-section up to 35 mm2 | 100 m | 1,30 |
| 24 | 08-02-398-4 | Conductor in troughs, cross-section up to 120 mm2 | 100 m | 0,05 |
| 25 | supplier price | Cable ВВВГннг-LS-0.66 3x1.5 mm2 | m.l. | 190,00 |
| 26 | supplier price | Cable ВВВГннг-LS-0.66 3x2.5 mm2 | m.l. | 1 010,00 |
| 27 | supplier price | Cable ВВВГннг-LS-0.66 4x1.5 mm2 | m.l. | 50,00 |
| 28 | supplier price | Cable ВВВГннг-LS-0.66 4x2.5 mm2 | m.l. | 40,00 |
| 29 | supplier price | Cable ВВВГннг-LS-0.66 5х6 mm2 | m.l. | 20,00 |
| 30 | supplier price | Cable ВВВГннг-LS-0.66 5х16 mm2 | m.l. | 5,00 |
| 31 | supplier price | Cable ВВВГннг(A)-FRLS 3x1.5 mm2 | m.l. | 100,00 |
| 32 | 08-03-594-1 | Luminaire with LED modules | 100 pcs | 0,82 |
| 33 | 08-03-591-2 | Switch with one flap, buried type, for closed installation, including socket for mounting appliances | 100 pcs | 0,13 |
| 34 | supplier price | Switch for enclosed installation with earthing, with 1 flap, IP20, 10A, 230V | buc | 13,00 |
| 35 | 08-03-591-5 | Switch with two flaps, buried type, for closed installation, including socket for mounting appliances | 100 pcs | 0,12 |
| 36 | supplier price | Switch for installation switchgear with earthing connection, with 2 flaps, IP20, 10A, 230V | buc | 12,00 |
| 37 | 08-03-591-7 | Buried type switch, with closed installation, including socket for mounting appliances | 100 pcs | 0,02 |
| 38 | supplier price | Switch switch for installation in closed installation with earthing, with 1 flap, IP20, 10A, 230V | buc | 2,00 |
| 39 | 08-03-591-9 | Buried socket outlet, with closed installation, including socket for mounting appliances | 100 pcs | 0,81 |
| 40 | supplier price | Socket outlet for closed grounded installation, IP20, 16A, 230V | buc | 81,00 |
| 41 | supplier price | 2M horizontal frame | set | 45,00 |
| 42 | supplier price | 3M horizontal frame | set | 6,00 |
|  |  | **Total 2 Assembly works** |  |  |
|  |  | Total | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | *Supply and storage expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | *Total* |  |  |
|  |  | **Total 2 Assembly works** |  |  |
|  |  | **3. Machine** |  |  |
| 43 | supplier price | Metal distribution panel surface mounted on the wall, with a capacity of 36 modules, IP31, equipped with DIN, N and PE bars and locks. | buc | 1,00 |
| 44 | supplier price | Metal distribution panel surface mounted on the wall, with a capacity of 72 modules, IP41, equipped with DIN, N and PE bars and locks. | buc | 1,00 |
| 45 | supplier price | Modular load separator, Un=400V, 3P, In=25A | buc | 1,00 |
| 46 | supplier price | Modular load separator, Un=400V, 3P, In=50A | buc | 1,00 |
| 47 | supplier price | Single pole automatic circuit breaker, characteristic B, In=10A, U=230V | buc | 13,00 |
| 48 | supplier price | Automatic current differential circuit breaker, bipolar, with "AC" characteristic, In=20А, 30мА, Un=230V | buc | 17,00 |
| 49 | supplier price | Three-pole automatic circuit breaker, characteristic C, In=63A, Un=400V | buc | 1,00 |
| 50 | supplier price | Three-pole circuit breaker, characteristic C, In=32A, Un=400V | buc | 1,00 |
| 51 | supplier price | Electromagnetic starter 380V, 39A, in IP65 box in set with STOP button | buc | 1,00 |
| 52 | supplier price | Luminaire for general indoor lighting 595 x 595 mm, IP41, with suspended ceiling mounting, LED module 32W, opal reflector, luminous flux 3600 lm, 4000K, supply voltage 230V | buc | 78,00 |
| 53 | supplier price | Luminaire for illumination of school blackboards with wall bracket, dimensions 1445x630x250 mm, with 48 LED modules 20 W, 2150 lm, IP41, type LE-SBO-14-020-7005-20D or similar | buc | 4,00 |
|  |  | **Total 3. Machine** |  |  |
|  |  | *Total* |  |  |
|  |  | *Supply and storage costs* | 1,2 % |  |
|  |  | **Total 3. Machine** |  |  |
|  |  |  |  |  |
|  |  | **Total**  **Including salary** |  |  |

***List of quantities of works***

*Fire and security signaling (SI)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| №  crt. | Rules symbol and Resource Code | Work and expenditure | U.M. | Quantity according to project data |
|

| 1 | 2 | 3 | 4 | 5 |
| --- | --- | --- | --- | --- |
|  |  | **1. Construction works** |  |  |
| 1 | RpCU05F1 | Execution of pulling for pipes or tie rods in stone or reinforced concrete walls of 16-25 cm thickness, for mechanized pulling execution | buc | 2,00 |
| 2 | RpCU05I1 | Execution of pull-outs for pipes or tie rods in stone or reinforced concrete walls of 26 - 50 cm, for mechanized pull-outs execution | buc | 6,00 |
| 3 | RpEJ09A | Repairing gaps in walls with plaster mortar | buc | 8,00 |
|  |  | **Total 1. Construction works** |  |  |
|  |  | *Total* | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | **Total 1. Construction works** |  |  |
|  |  | **2. Assembly work** |  |  |
| 4 | 10-08-001-04 | Receiving devices: SI device for: 4 beams | buc | 1,00 |
| 5 | 10-08-001-07 | Installation Communicator module | 10 pcs | 0,10 |
| 6 | 08-03-575-1 | Device - Radioemitter | buc | 1,00 |
| 7 | 10-08-003-03 | Power supply and control block | buc | 1,00 |
| 8 | 08-03-575-1 | Device - Battery | buc | 2,00 |
| 9 | 08-03-593-10 | Optical and acoustic beacon | 100 pcs | 0,03 |
| 10 | 10-08-002-02 | Automatic SI smoke alarms | buc | 17,00 |
| 11 | 08-03-591-3 | Manual fire alarm release | 100 pcs | 0,03 |
| 12 | 08-03-593-10 | "EXIT" indicator light | 100 pcs | 0,03 |
| 13 | 10-08-019-01 | Miscellaneous equipment - Optical signal indicator | buc | 4,00 |
| 14 | 08-02-409-2 | Vinylplast sheeting on installed constructions, on walls and columns, fixing with toothpicks, diameter up to 50 mm | 100 m | 0,15 |
| 15 | supplier price | Rigid PVC pipe for electrical assembly d=50 mm | m.l. | 15,00 |
| 16 | 08-02-409-1 | Vinylplast sheeting on installed constructions, on walls and columns, fixing with toothpicks, diameter up to 25 mm | 100 m | 2,10 |
| 17 | supplier price | U-PVC corrugated corrugated tee, 750N, d=20 mm | m.l. | 210,00 |
| 18 | 08-02-390-1 | Plastic channels with lid, section 22x10 mm, including all necessary accessories (elbows, plugs, tees, crosses, etc.) | 100 m | 0,50 |
| 19 | 08-02-412-2 | Insertion of conductors in metal pipes and hoses: first single-wire or multi-wire conductor in common strand, cross-section up to 6 mm2 | 100 m | 2,60 |
| 20 | supplier price | Fire signaling cable, 2 conductors, cross-section S=0.8 mmp, with a fire resistance of at least 30 minutes, FE180 E30 - JE-H(St)H-1x2x0.8 mmp | m.l. | 200,00 |
| 21 | supplier price | Cable ВВВГннг(A)-FRLS 3x1.5 mm2 | m.l. | 60,00 |
|  |  | **Total 2 Assembly works** |  |  |
|  |  | Total | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | *Supply and storage expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | *Total* |  |  |
|  |  | **Total 2 Assembly works** |  |  |
|  |  | **3. Machine** |  |  |
| 22 | supplier price | Fire panel - fire detection panel with 4 security zones, with output for siren and radio transmitter type PREVIDIA-MSG or similar in a red metal box, with glass door, with keys | buc | 1,00 |
| 23 | supplier price | Communicator module type PREVIDIA-C-COM LAN or similar | buc | 1,00 |
| 24 | pert supplier | Radio transmitter type ATS-100 or similar | buc | 1,00 |
| 25 | supplier price | 12 V, 10 A switching backup power supply | buc | 1,00 |
| 26 | supplier price | Battery 12V, 17A/h | buc | 2,00 |
| 27 | supplier price | Unaddressed light and sound siren 18-30 V, 86-101 dB, 10-40mA type IS2010RE or similar | buc | 2,00 |
| 28 | supplier price | Outdoor light and sound siren, uncovered, 12V, 86-103 dB Ivy-R or similar type | buc | 1,00 |
| 29 | supplier price | Smoke detector, 0.09/40 mA type ID100 or similar with socket for detectors and additional box for installation of detectors | buc | 17,00 |
| 30 | supplier price | Manual fire alarm release, not fitted with a resettable element which is armed with an IC0020 or similar type key | buc | 3,00 |
| 31 | supplier price | Light and sound indicator without address "OUT" beep 92dB, 18-30 V, current consumption 50mA | set | 3,00 |
| 32 | supplier price | Optical signal indicator type RI31 | buc | 4,00 |
|  |  | **Total 3. Machine** |  |  |
|  |  | *Total* |  |  |
|  |  | *Supply and storage costs* | 1,2 % |  |
|  |  | **Total 3. Machine** |  |  |
|  |  |  |  |  |
|  |  | **Total**  **Including salary** |  |  |

***List of quantities of works***

*Automatic security signaling (SPA)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| №  crt. | Rules symbol and Resource Code | Work and expenditure | U.M. | Quantity according to project data |
|

| 1 | 2 | 3 | 4 | 5 |
| --- | --- | --- | --- | --- |
|  |  | **1. Construction works** |  |  |
| 1 | RpCU05F1 | Execution of pulling for pipes or tie rods in stone or reinforced concrete walls of 16-25 cm thickness, for mechanized pulling execution | buc | 2,00 |
| 2 | RpCU05I1 | Execution of pull-outs for pipes or tie rods in stone or reinforced concrete walls of 26 - 50 cm, for mechanized pull-outs execution | buc | 8,00 |
| 3 | RpEJ09A | Repairing gaps in walls with plaster mortar | buc | 10,00 |
|  |  | **Total 1. Construction works** |  |  |
|  |  | *Total* | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | *Supply and storage expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | **Total 1. Construction works** |  |  |
|  |  | **2. Assembly work** |  |  |
| 4 | 10-04-067-23 | Video control device - vacuum camera | buc | 6,00 |
| 5 | 10-08-002-06 | Construction for installing video cameras | buc | 6,00 |
| 6 | 10-08-019-01 | Camera connection box | buc | 6,00 |
| 7 | supplier price | Box 100x100x70 mm IK08 for connecting video cameras | buc | 6,00 |
| 8 | 10-03-013-05 applied | Access switch | buc | 1,00 |
| 9 | 10-04-030-01 | Plug block | buc | 1,00 |
| 10 | 10-04-030-01 | UPS | buc | 1,00 |
| 11 | 10-04-077-01 | Plant tool: Video recorder | buc | 1,00 |
| 12 | 10-04-101-10 | 3.5" HDD 3.5" HDD | buc | 1,00 |
| 13 | 10-04-100-07 | Mass Appliance System Block + Monitor | buc | 1,00 |
| 14 | 08-02-409-1 | Vinylplast sheeting on installed constructions, on walls and columns, fixing with toothpicks, diameter up to 25 mm | 100 m | 2,00 |
| 15 | supplier price | U-PVC corrugated corrugated tee, 750N, d=20 mm | m.l. | 200,00 |
| 16 | 08-02-390-1 | Plastic channels with lid, section 15x10 mm, including all necessary accessories (elbows, plugs, tees, crosses, etc.) | 100 m | 0,80 |
| 17 | 08-02-411-1 | Metal hose, outside diameter up to 48 mm | 100 m | 0,20 |
| 18 | supplier price | Flexible metal tube with PVC insulation D=25 mm | m.l. | 0,20 |
| 19 | 08-02-412-1 | Insertion of conductors in metal pipes and hoses: first single-wire or multi-wire conductor in common strand, cross-section up to 2.5 mm2 | 100 m | 2,70 |
| 20 | supplier price | UTP Cat.5E 4P CU Solid | m.l. | 270,00 |
|  |  | **Total 2 Assembly works** |  |  |
|  |  | Total | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | *Supply and storage expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | *Total* |  |  |
|  |  | **Total 2 Assembly works** |  |  |
|  |  | **3. Machine** |  |  |
| 21 | supplier price | 4Mp IP video camera type Uniview IPC354SR3-ADNPF28-F with the following features - IR30 m; fixed lens 2.8 mm; 1/3" CMO; resolution: 2688 x 1520: 30fps; viewing angle: 95.8\*; WDR 120dB; Ultra 265, H.265, H.264, MJPEG; intelligent functions - motion detection, people detection, intrusion detection, audio detection; audio: G.711, two-way audio support, built-in microphone; power supply: 12V DC, PoE; with Micro SD - 256 GB; POE, IP67 or similar with mounting bracket for camcorder | buc | 6,00 |
| 22 | supplier price | POE switch ZKTeco PE082-120-C, 8xPOE, 2xLAN Uplink, max. 120W or similar | buc | 1,00 |
| 23 |  | Block 4 sockets 2P+E, 16A, 200-240V, 50/60Hz with safety switch | buc | 1,00 |
| 24 |  | 1500VA UPS (3-step AVR, CPU controlled, USB) metal enclosure, LCD display | buc | 1,00 |
| 25 | supplier price | Video recorder, 16-ch IP, min. 1xSATA interfaces with video and audio input/output | buc | 1,00 |
| 26 | supplier price | 3.5" SATA3 HDD SATA3, 10TB, 7200rpm, 256MB cache | buc | 1,00 |
| 27 | supplier price | System Block - Computer with Core i7-13700 processor / GeForce RTX 3060 video card / 16GB RAM / 2TB SSD internal storage / Windows 11 operating system / Mouse / Keyboard | buc | 1,00 |
| 28 | supplier price | 28" VA monitor, Screen resolution 2560x1440, 4 ms, 75 Hz, CR4000:1, HDMI+DP, Pivot | buc | 1,00 |
|  |  | **Total 3. Machine** |  |  |
|  |  | *Total* |  |  |
|  |  | *Supply and storage costs* | 1,2 % |  |
|  |  | **Total 3. Machine** |  |  |
|  |  | **4. Adjusting-demarking** |  |  |
| 29 | 10-06-068-15 | Tuning synchronous digital transmission systems. Adjusting the control and routing system: configuration and adjustment of network components | buc | 1,00 |
|  |  | **Total 4. Start-up adjustment** |  |  |
|  |  | Total | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | *Supply and storage expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | *Total* |  |  |
|  |  |  |  |  |
|  |  | **Total**  **Including salary** |  |  |

***List of quantities of works***

*Telephone and signaling communications (TS)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| №  crt. | Rules symbol and Resource Code | Work and expenditure | U.M. | Quantity according to project data |
|

| 1 | 2 | 3 | 4 | 5 |
| --- | --- | --- | --- | --- |
|  |  | **1. Construction works** |  |  |
| 1 | RpCU05F1 | Execution of pull-outs for pipes or tie rods in stone or reinforced concrete walls of 16-25 cm thickness, for mechanized pull-outs execution | buc | 2,00 |
| 2 | RpCU05I1 | Execution of pull-outs for pipes or tie rods in stone or reinforced concrete walls of 26 - 50 cm, for mechanized pull-outs execution | buc | 5,00 |
| 3 | RpEJ09A | Repairing gaps in walls with plaster mortar | buc | 7,00 |
| 4 | RpEJ08C | Execution of trenches with a depth of up to 5 cm in stone or reinforced concrete walls of 5x50 cmp. | m | 12,00 |
| 5 | RpEJ09D | Wall trench repair up to 50 square meters | m | 12,00 |
|  |  | **Total 1. Construction works** |  |  |
|  |  | *Total* | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | *Supply and storage expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | **Total 1. Construction works** |  |  |
|  |  | **2. Assembly work** |  |  |
| 6 | 10-06-037-05 | Wall cabinet, size 19" 12U | buc | 1,00 |
| 7 | 10-04-030-01 | Ventilation module with thermostat 19", 1U | buc | 1,00 |
| 8 | 10-03-013-05 applied | Access / distribution switch | buc | 2,00 |
| 9 | 10-04-030-01 | ODF Panel 19", 1U | buc | 1,00 |
| 10 | 10-04-030-01 | Modular patch-panel cat. 6e fully equipped with 24xRJ45 modules, 19", 1U | buc | 1,00 |
| 11 | 10-04-030-01 | Cable management 1U | buc | 20,00 |
| 12 | 10-04-030-01 | Plug block | buc | 1,00 |
| 13 | 10-04-030-01 | UPS | buc | 1,00 |
| 14 | 10-04-066-07 | Wall-mountable: RJ-45 socket | buc | 4,00 |
| 15 | supplier price | 2 RJ45 cat.6e RJ45 cat.6e modules - mounting box frame and bracket, wall installation | buc | 4,00 |
| 16 | 10-02-051-03 | Cable connection points between sections of a stand: with laying in cable duct - Patch Cord UTP | 100 pcs | 0,08 |
| 17 |  | Patch Cord 0,5 m, copper, UTP Cat.6e | buc | 4,00 |
| 18 |  | Patch Cord 1,5 m, copper, UTP Cat.6e | buc | 4,00 |
| 19 | 08-02-409-1 | Vinylplast sheeting on installed constructions, on walls and columns, fixing with toothpicks, diameter up to 25 mm | 100 m | 4,00 |
| 20 | supplier price | U-PVC corrugated corrugated tee, 750N, d=20 mm | m.l. | 400,00 |
| 21 | 08-02-409-2 | Vinylplast sheeting on installed constructions, on walls and columns, fixing with toothpicks, diameter up to 50 mm | 100 m | 0,10 |
| 22 | supplier price | Rigid PVC pipe for electrical assembly d=50 mm | m.l. | 10,00 |
| 23 | 08-02-390-1 | Plastic channels with cover, section 25x16 mm, including all necessary accessories (elbows, plugs, tees, crosses, etc.) | 100 m | 1,10 |
| 24 | 08-02-396-6 | Metal channel on walls and ceilings, length 3 m | 100 m | 0,60 |
| 25 | supplier price | Metal cable channel section 50(h)x80 mm with cover | m.l. | 60,00 |
| 26 | 08-02-412-1 | Insertion of conductors in metal pipes and hoses: first single-wire or multi-wire conductor in common strand, cross-section up to 2.5 mm2 | 100 m | 4,30 |
| 27 | supplier price | UTP Cat.6E 4P CU Solid | m.l. | 430,00 |
|  |  | **Total 2 Assembly works** |  |  |
|  |  | Total | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | *Supply and storage expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | *Total* |  |  |
|  |  | **Total 2 Assembly works** |  |  |
|  |  | **3. Machine** |  |  |
| 28 | supplier price | Wall cabinet 12U, 600x600 mm, 19", black, disassembled (in set includes legs, wheels), with fans for extracting warm air produced by equipment and thermostat, with perforated front/back doors with tool-less mounting | buc | 1,00 |
| 29 | supplier price | Access switch, with 24 RJ-45 POE+ POE+ auto-negotiating 1 Gbps + min. 2 SFP+ 10 Gbps | buc | 1,00 |
| 30 | supplier price | Distribution switch type CRS310-1G-5S-4S-4S+IN or similar | buc | 1,00 |
| 31 | supplier price | ODF Patch-Panel 19", 1U | buc | 1,00 |
| 32 | supplier price | Modular patch-panel cat. 6e fully equipped with 24xRJ45 modules, 19", 1U | buc | 1,00 |
| 33 | supplier price | Cable management 1U (Cable organizer), horizontal | buc | 1,00 |
| 34 | supplier price | Block with min. 8 sockets 2P+E, 16A, 200-240V, 50/60Hz with safety switch, 1U | buc | 1,00 |
| 35 | supplier price | UPS Rack Mounting 2U SRV2000VA (SRV2KRI+SRVRK1), 2000VA/1600W, Double-conversion On-line UPS, 4 x IEC Sockets ( 4 IEC C13, all 4 Battery Backup + Surge Protected), Multifunction LCD Display, DB-9 RS-232, USB, with Rail Kit | buc | 1,00 |
| 36 | supplier price | Wall clock with autonomous power supply | ansmablu | 2,00 |
|  |  | **Total 3. Machine** |  |  |
|  |  | *Total* |  |  |
|  |  | *Supply and storage costs* | 1,2 % |  |
|  |  | **Total 3. Machine** |  |  |
|  |  |  |  |  |
|  |  | **Total**  **Including salary** |  |  |