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| ***Interior repair works and modernization of science classrooms in LT ''Boris Dinga'' from Criuleni*** |  |
| (name of the objective) |  |

***List of quantities of works***

**DEVIZ LOCAL № 0257 0102 - 2-1-1**

*Architectural-constructive solutions (SAC)*

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| --- | --- | --- | --- | --- |
| №  crt. | Rules symbol and Resource Code | Work and expenditure | U.M. | Quantity according to project data |
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| 1 | | 2 | | | 3 | | | | | | 4 | | | 5 | | |
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|  | |  | | | **1.1 Dismantling** | | | | | |  | | |  | | |
|  | | | RpCO56A | | | Dismantling: wooden joinery (doors, windows, shutters, boxes, rollers, masks, etc.) (dismantling doors) | | | | | | m2 | | | 27,40 | | |
|  | | | RpCO56A | | | Dismantling: wood joinery (doors, windows, shutters, boxes, rollers, masks, etc.) (dismantling PVC doors) | | | | | | m2 | | | 8,10 | | |
|  | | | RpCO56A | | | Dismantling: wooden joinery (doors, windows, shutters, boxes, rollers, masks, etc.) (dismantling of wooden cabinets) | | | | | | m2 | | | 7,80 | | |
|  | | | RpCO56A | | | Dismantling: wood joinery (doors, windows, shutters, boxes, rollers, masks, etc.) (dismantling PVC windows) | | | | | | m2 | | | 9,30 | | |
|  | | | RpCO56A | | | Dismantling: wooden joinery (doors, windows, shutters, boxes, roll, masks, etc.) (dismantling of the PVC inner sill b=350mm) | | | | | | m2 | | | 1,68 | | |
|  | | | RpCI42A | | | Dismantling of roof elements - gutters, gutters, eaves, glazing, aprons, etc. (dismantling of the external sill made of galvanized pre-painted sheet metal b=300mm) | | | | | | m | | | 4,50 | | |
|  | | | RpCG29D | | | Demolition of masonry walls from breakthroughs to create masonry voids | | | | | | m3 | | | 0,05 | | |
|  | | | RpCK41A | | | Removal of floors in shower rooms made of hardwood, cupboards, | | | | | | m2 | | | 19,80 | | |
|  | | | RpCH32B | | | Stripping of wooden planks and roofing elements - roofing with stripping of all component parts, including sorting of the resulting materials | | | | | | m2 | | | 19,80 | | |
|  | | | RpCO56B | | | Removals: wood wall and ceiling panelling, plywood, PFL, PAS etc. | | | | | | m2 | | | 7,20 | | |
|  | | | RpCH32B | | | Stripping of wooden planks and roofing elements - roofing with stripping of all component parts, including sorting of the resulting materials | | | | | | m2 | | | 7,20 | | |
|  | | | RpCO56B | | | Removals: wood wall and ceiling panelling, plywood, PFL, PAS etc. | | | | | | m2 | | | 13,00 | | |
|  | | | RpCH32B | | | Stripping of wooden planks and roofing elements - roofing with stripping of all component parts, including sorting of the resulting materials | | | | | | m2 | | | 13,00 | | |
|  | | | RpCG29C | | | Demolition of masonry walls made of solid brick, BCA, ceramic or light concrete blocks, GVP bricks, excluding scaffolding and brick cleaning | | | | | | m3 | | | 0,80 | | |
|  | | | RpCO56A | | | Dismantling: wood joinery (doors, windows, shutters, boxes, roll, masks, etc.) | | | | | | m2 | | | 45,00 | | |
|  | | | RpCM33A | | | Removal of tiles | | | | | | m2 | | | 86,00 | | |
|  | | | RpCJ35A | | | Removal of loose interior or exterior plaster on walls or ceilings | | | | | | m2 | | | 672,00 | | |
|  | | | RpCG29C | | | Demolition of masonry walls made of solid brick, BCA, ceramic or light concrete blocks, GVP bricks, excluding scaffolding and brick cleaning | | | | | | m3 | | | 0,33 | | |
|  | | | RpCG29C | | | Demolition of masonry walls made of solid brick, BCA, ceramic or light concrete blocks, GVP bricks, excluding scaffolding and brick cleaning | | | | | | m3 | | | 0,40 | | |
|  | | | RpCP45D | | | Dismantling of railings, gratings, railings, parapets and metal fences, etc. | | | | | | kg | | | 12,00 | | |
|  | | | RpCK42C | | | Removal of cold floors made of concrete slabs, marble, stone, tiles, ceramic tiles, etc. | | | | | | m2 | | | 107,20 | | |
|  | | | RpCK41C | | | Removal of PVC carpet floors with or without textile backing, carpet, etc. | | | | | | m2 | | | 79,90 | | |
|  | | | RpCK41C | | | Removal of PVC carpet floors with or without textile backing, carpet, etc. | | | | | | m2 | | | 342,80 | | |
|  | | | RpCK41A | | | Removal of floors in shower rooms made of hardwood, cupboards, | | | | | | m2 | | | 342,80 | | |
|  | | | RpCH32B | | | Stripping of wooden planks and roofing elements - roofing with stripping of all component parts, including sorting of the resulting materials | | | | | | m2 | | | 342,80 | | |
|  | | | RpCK41A | | | Removal of wooden floors in wooden shower room, cupboards, etc (removal of wooden skirting H~70mm) | | | | | | m2 | | | 15,40 | | |
|  | | | RCsB29S k=1,21 | | | Drilling holes in brick and stone masonry using a diamond core drill with a diameter of 190 mm (Dn230 mm) | | | | | | pcs. | | | 10,00 | | |
|  | | | RCsB29S k=1.47 | | | Drilling holes in brick and stone masonry using a diamond core drill with a diameter of 190 mm (Dn280 mm) | | | | | | pcs. | | | 1,00 | | |
|  | | | RCsB29K | | | Drilling of holes in brick and stone masonry, using a machine, diamond core drill bit diam.120 mm | | | | | | pcs. | | | 1,00 | | |
|  | | | TsC03G1 | | | Mechanical digging with 0,40-0,70 cubic meter excavator, with internal combustion engine and hydraulic control, in soil with natural humidity, unloading in vehicles, land catg. III | | | | | | 100 m3 | | | 0,12 | | |
|  | | | TRI1AA04C3 | | | Loading of group A materials - light and small materials by dumping - from the ramp or ground, in a category 3 car | | | | | | t | | | 4,70 | | |
|  | | | TsI50A3 | | | Transportation of soil by 5 t dumper truck over a distance of 3 km | | | | | | t | | | 23,50 | | |
|  | | |  | | | **Total 1.1 Dismantling** | | | | | |  | | |  | | |
|  | | |  | | | **1.2 Wall (pl.10)** | | | | | |  | | |  | | |
|  | | | CD50A | | | Simple brick masonry, size 250 x 120 x 65 on exterior walls up to 4 m high | | | | | | m3 | | | 3,08 | | |
|  | | |  | | | **Total 1.2 Wall (pl. 10)** | | | | | |  | | |  | | |
|  | | |  | | | **2. Enlargement of door gap GU-1,GU-2** | | | | | |  | | |  | | |
|  | | | RCsU06F | | | Execution of trenches up to 5 cm deep in stone or reinforced concrete walls of 5 x 100 cm2 | | | | | | m | | | 8,68 | | |
|  | | | RCsB21C k=0.36 | | | Mechanical drilling of 5 cm diameter holes in 30 cm thick concrete elements (Dn 1.8 cm) | | | | | | pcs. | | | 12,00 | | |
|  | | | RpCU02A | | | Bollards made of metal sleepers, mounted in masonry, including cutting to size of sleepers | | | | | | kg | | | 55,56 | | |
|  | | | CL57A | | | Installation and fixing of embedded parts in monolithic reinforced concrete: weighing less than 4 kg | | | | | | kg | | | 4,08 | | |
|  | | | market price | | | M16 nut | | | | | | pcs. | | | 24,00 | | |
|  | | | market price | | | Read more 16 | | | | | | pcs. | | | 24,00 | | |
|  | | | CC03A | | | Installation of welded nets at heights up to 35 m, on walls and diaphragms, with weight of nets up to 3 kg/meter (net 5 Bp500B, with mesh 100x100; staples 8 B500B - 7,20 kg) | | | | | | kg | | | 43,20 | | |
|  | | | CF15A | | | Interior and exterior handmade plaster, with cement mortar M 150-T, 2 cm medium thickness, on concrete or brick walls, with flat surfaces (gr.3 cm) | | | | | | m2 | | | 15,00 | | |
|  | | | CF17B k=2 | | | Various works - difference in thickness, +- 5 mm in the layer of primer applied to the walls, executed with mortar М150 | | | | | | m2 | | | 15,00 | | |
|  | | |  | | | **Total 2. Enlargement of doorway GU-1,GU-2** | | | | | |  | | |  | | |
|  | | |  | | | **3. Insulating window gaps** | | | | | |  | | |  | | |
|  | | | CN53A | | | Grinding interior surfaces of walls and ceilings | | | | | | m2 | | | 10,00 | | |
|  | | | IzF55C | | | External wall insulation of buildings with fine plaster on thermal insulation (systems with rigid fixing of thermal insulation), smooth wall surface: with mineral wool boards (mineral wool p=110 kg/m3, 150 mm; dowels with metal nails) | | | | | | m2 | | | 10,00 | | |
|  | | | CN53A | | | Grinding interior surfaces of walls and ceilings | | | | | | m2 | | | 10,00 | | |
|  | | | CF30A | | | 2-3 mm. thick exterior plaster, handmade with "TINC" mixture on walls | | | | | | m2 | | | 10,00 | | |
|  | | |  | | | **Total 3. Thermal insulation of window gaps** | | | | | |  | | |  | | |
|  | | |  | | | **4. Installing external sills** | | | | | |  | | |  | | |
|  | | | CE23B | | | Glazing and awnings made of 0.5 mm thick galvanized sheeting on a layer of bituminized cardboard mounted on a levelling screed made of cement mortar-var M 100-T, fixed on brick masonry, for lengths greater than 2 m, with a width between 16 - 30 cm (pre-coated galvanized sheeting b=250mm) | | | | | | m | | |  | | |
|  | | |  | | | **Total 4. Installation of external sills** | | | | | |  | | |  | | |
|  | | |  | | | **5. Capturing water sewage columns** | | | | | |  | | |  | | |
|  | | | СF59A | | | Surface cladding with one layer of PGC with execution of simple flat metal casing, up to 4 m high: walls without insulation | | | | | | m2 | | | 10,00 | | |
|  | | |  | | | **Total5. Capturing of water sewage columns** | | | | | |  | | |  | | |
|  | | |  | | | **6. Installation of dividing walls Pd.1,2** | | | | | |  | | |  | | |
|  | | | CD72A correct | | | Flat partition walls made of PGC with thickness 75-125 mm on simple metal casing with PGC plywood in one layer on both sides without insulation, up to 4 m high (laminated chipboard 18mm, edges covered with ABS 2mm edgebanding - 24,10 m2; gypsum plasterboard gr.12,5 mm - 24,10 m2; profile UW 75; profile CW 75) | | | | | | m2 | | | 24,10 | | |
|  | | | СF59A adaptive | | | Surface cladding with one layer of PGC with the execution of simple flat metal casing, up to 4 m high: walls without insulation (18mm laminated chipboard, edges covered with 2mm ABS edgebanding, perforated with holes from Dn100 to Dn250 with edges covered with melamine edgebanding; profile CW 75) | | | | | | m2 | | | 10,10 | | |
|  | | | Market price | | | Removable Minifix with eccentric | | | | | | pcs. | | | 70,00 | | |
|  | | | CE40A | | | Mounting of skeleton elements in beams (bars) with antiseptic treatment (45x70mm wooden ruler for reinforcing the door opening) | | | | | | m3 | | | 0,044 | | |
|  | | | CN50A | | | Fire-retardant treatment of woodwork; trusses, arches, beams, rafters, rafters, staves. | | | | | | m3 | | | 0,044 | | |
|  | | | CG06A adaptive | | | Oak or beech skirting boards, cleaned and mounted on wooden dowels fixed with brass screws in rooms with areas greater than 16 square meters, horizontal skirting boards with a maximum height of 15 cm at the walls (laminated chipboard 18mm, 57x3000mm) | | | | | | m | | | 42,00 | | |
|  | | |  | | | **Total 6. Installation of partition walls Pd1,2** | | | | | |  | | |  | | |
|  | | |  | | | **7. Installation of dividing walls Pd.3** | | | | | |  | | |  | | |
|  | | | CD72A correct | | | Flat partition walls made of PGC with thickness 75-125 mm on simple metal casing with PGC plywood in one layer on both sides without insulation, up to 4 m high (laminated chipboard 18mm, edges covered with ABS 2mm edgebanding - 17,40 m2; gypsum plasterboard gr.12,5 mm - 17,40 m2; profile UW 75; profile CW 75) | | | | | | m2 | | | 17,40 | | |
|  | | | Market price | | | Removable Minifix with eccentric | | | | | | pcs. | | | 35,00 | | |
|  | | | CE40A | | | Mounting of the skeleton elements in beams (bars) with antiseptic treatment (45x70mm wooden ruler for reinforcing the door opening) | | | | | | m3 | | | 0,022 | | |
|  | | | CN50A | | | Fire-retardant treatment of woodwork; trusses, arches, beams, rafters, rafters, staves. | | | | | | m3 | | | 0,022 | | |
|  | | | CG06A adaptive | | | Oak or beech skirting boards, cleaned and mounted on wooden dowels fixed with brass screws in rooms with areas larger than 16 square meters, horizontal skirting boards with a maximum height of 15 cm at the walls (laminated chipboard 18mm, 57x3000mm) | | | | | | m | | | 21,00 | | |
|  | | |  | | | **Total 7. Installation of partition walls Pd.3** | | | | | |  | | |  | | |
|  | | |  | | | **8. Window** | | | | | |  | | |  | | |
|  | | | RpCO08G | | | Overhaul and replacement of hardware on wooden windows, single, double or coupled with olivere (window closers) (replacement of existing casement hardware with tilt and turn hardware (with 3 openings)) | | | | | | pcs. | | | 23,00 | | |
|  | | | RpCQ01E adaptive | | | Replacement of 4-6 mm thick drawn glazing, 4-6 mm thick, in meshes less than 0.50 sq.m, with putty and nails, mounted on wooden joinery, on surfaces over 5 sq.m (replacement of existing double-glazed windows with 4mm+ 16mm+4mm Low-E/4S float 4mm+4mm double-glazed windows, filled with krypton or argon, including elastic gaskets) | | | | | | m2 | | | 56,00 | | |
|  | | |  | | | **Total 8. Window** | | | | | |  | | |  | | |
|  | | |  | | | **9. Use** | | | | | |  | | |  | | |
|  | | | CK03A adaptive | | | Interior wooden doors in one panel, on linings and balcony doors, including waterproof and thermal insulation of the frame, mounted on existing eaves on buildings with heights up to 35 m (door with glass laminated plywood canvas, with overlight, 2mm gr.2mm metal frame, without threshold, handle - Startec, stainless steel, model LDH2170, U-1, U-2, U-3) | | | | | | m2 | | | 27,85 | | |
|  | | | CK21A | | | Doors made of aluminium profiles, including fittings and accessories necessary for doors mounted in the masonry of any kind, in buildings up to 35 m high inclusive, in a frame, with a frame area up to 7 sq.m. inclusive (glass door in aluminium frame, U-4) | | | | | | m2 | | | 5,67 | | |
|  | | |  | | | **Total 9. Use** | | | | | |  | | |  | | |
|  | | |  | | | **10. Flooring** | | | | | |  | | |  | | |
|  | | |  | | | **10.1 Flooring Tip 1** | | | | | |  | | |  | | |
|  | | | CG56A correct | | | Self-levelling screed "Nivelir": thickness 10mm (levelling with adhesive for tiles gr.3 mm) | | | | | | m2 | | | 104,20 | | |
|  | | | CG56A1 correct k=7 | | | Correction to CG56A: decrease to 1mm thickness (levelling with tile adhesive) | | | | | | m2 | | | -104,20 | | |
|  | | | CG17D | | | Flooring made of ceramic tiles, including the supporting layer of adhesive mortar, executed on surfaces greater than 16 m2 (porcelain tiles 600\*600 gr.10 mm) | | | | | | m2 | | | 104,20 | | |
|  | | | CI14A | | | Linear elements made of ceramic tiles applied with adhesive (porcelain stoneware plinth h=100mm) | | | | | | m | | | 53,20 | | |
|  | | |  | | | **10.2 Flooring Tip 2** | | | | | |  | | |  | | |
|  | | | IzF53A | | | Manual execution of the floor support with a thermal insulating layer made of 100 mm thick extruded polystyrene sheets in one layer (extruded polystyrene gr.40 mm) | | | | | | m2 | | | m2 | | |
|  | | | market price | | | Perimeter tape with adhesive Tia (thickness 8 mm, h=100mm), pl.17 p.2 | | | | | | m | | | m | | |
|  | | | CG01A | | | Support layer for floors made of cement mortar M 100-T 3 cm thick with a fine smooth face (gr.5,5 cm) | | | | | | m2 | | | m2 | | |
|  | | | CG01A1 k=5 | | | Supporting layer for floors made of 3 cm thick M 100-T cement mortar with finely smoothened face. The difference plus or minus for each 0.5 cm of M 100-T mortar support layer is added or subtracted | | | | | | m2 | | | m2 | | |
|  | | | CG56A correct | | | Self-levelling screed "Nivelir": thickness 10mm (levelling with adhesive for tiles gr.3 mm) | | | | | | m2 | | | m2 | | |
|  | | | CG56A1 correct k=7 | | | Correction to CG56A: decrease to 1mm thickness: (levelling with tile adhesive) | | | | | | m2 | | | m2 | | |
|  | | | CG08A | | | Plastic floors mounted on the existing support, cleaned, including the PVC sills, in rooms with areas larger than 16 sqm, with PVC carpet glued with prenadhesive (heterogeneous PVC carpet Tarkett type with the following properties:- anti-slip >R9; - antibacterial; - antistatic; - heavy traffic; - thickness - 2mm; - wear layer - 0,7mm; - 2m width; support profile - 216,0 m) | | | | | | m2 | | | m2 | | |
|  | | |  | | | **10.3 Flooring Tip 3** | | | | | |  | | |  | | |
|  | | | CG56A correct | | | Self-levelling screed "Nivelir": thickness 10mm (levelling with adhesive for tiles gr.3 mm) | | | | | | m2 | | | 7,70 | | |
|  | | | CG56A1 correct k=7 | | | Correction to CG56A: decrease to 1mm thickness (levelling with tile adhesive) | | | | | | m2 | | | -7,70 | | |
|  | | | CG08A | | | Plastic floors mounted on the existing support, cleaned, including the PVC sills, in rooms with areas larger than 16 square meters, with PVC carpet glued with prenadhesive (heterogeneous PVC carpet Tarkett type with the following properties:- anti-slip >R9; - antibacterial; - antistatic; - heavy traffic; - thickness - 2mm; - wear layer - 0,7mm; - 2m wide) | | | | | | m2 | | | 7,70 | | |
|  | | |  | | | **Total 10. Flooring** | | | | | |  | | |  | | |
|  | | |  | | | **11. Interior finishing** | | | | | |  | | |  | | |
|  | | |  | | | **11.1 Ceiling** | | | | | |  | | |  | | |
|  | | | CK29F | | | Suspended ceilings made of prefabricated "Armstrong" panels, including grid-system (Sahara Vector type (semi-concealed structure, Sahara Vector type boards (600\*600\*19mm)) | | | | | | m2 | | | 431,70 | | |
|  | | |  | | | **11.2 Wall** | | | | | |  | | |  | | |
|  | | |  | | | **11.2.1 Detail "1"** | | | | | |  | | |  | | |
|  | | | CF05A | | | Interior plastering of 3 cm thickness, executed on roughcast, smooth, sanded, with cement-lime mortar brand M 100-T for the render, cement-lime mortar brand M 50-T for the primer and lime-cement mortar brand M 10-T for the visible layer, executed by hand on straight surfaces, including the installation of steel reinforcement and the bracket, applied to the walls (5 cm) | | | | | | m2 | | | 649,00 | | |
|  | | | CF17B k=4 | | | Miscellaneous works - difference in thickness, +- 5 mm in the layer of primer applied to the walls, executed with M100 mortar | | | | | | m2 | | | 649,00 | | |
|  | | | CN53A | | | Grinding interior surfaces of walls and ceilings | | | | | | m2 | | | 649,00 | | |
|  | | | CF17C | | | Miscellaneous works - fibreglass interlayer applied on the surface of prefabricated reinforced concrete elements bonded with aracet, including priming layer | | | | | | m2 | | | 649,00 | | |
|  | | | CF50B | | | Interior plastering of 5 mm thickness, handmade, dry-mixed plaster-based plaster, on walls and partitions, manual mortar preparation. (plaster-based mortar) | | | | | | m2 | | | 649,00 | | |
|  | | | CF57A | | | Manual application of 1.0 mm thick 'Eurofin' plaster-based grout on wall, column and ceiling surfaces | | | | | | m2 | | | 649,00 | | |
|  | | | CN53A | | | Grinding interior surfaces of walls and ceilings | | | | | | m2 | | | 649,00 | | |
|  | | | CN06A | | | Interior painting with paint based on vinyl copolymers in aqueous emulsion, applied in 2 coats on existing plaster, executed by hand (acrylic paint with enhanced washability) | | | | | | m2 | | | 649,00 | | |
|  | | |  | | | **11.2.2 Detail "2"** | | | | | |  | | |  | | |
|  | | | CN53A | | | Grinding interior surfaces of walls and ceilings | | | | | | m2 | | | 42,00 | | |
|  | | | CF57A | | | Manual application of 1.0 mm thick 'Eurofin' plaster-based grout on wall, column and ceiling surfaces | | | | | | m2 | | | 42,00 | | |
|  | | | CN53A | | | Grinding interior surfaces of walls and ceilings | | | | | | m2 | | | 42,00 | | |
|  | | | CN06A | | | Interior painting with paint based on vinyl copolymers in aqueous emulsion, applied in 2 coats on existing plaster, executed by hand (acrylic paint with enhanced washability) | | | | | | m2 | | | 42,00 | | |
|  | | |  | | | **11.2.3 Tiling around sinks** | | | | | |  | | |  | | |
|  | | | CI06C | | | Glazed, unglazed, unglazed, matt or glossy porcelain stoneware tiles with tiles of the same color and format with dimensions from 15 x 15 cm up to 30 x 30 cm, executed on flat surfaces on walls and wall tiles, including glazes and grooves, with alternating joints, in rooms with a surface area of more than 10 sqm, fixed with adhesive for the installation of tiles (light colored porcelain stoneware tiles, format 1200x600) | | | | | | m2 | | | 11,52 | | |
|  | | |  | | | **11.2.4 Reinforcement of glazed corners** | | | | | |  | | |  | | |
|  | | | CK18C | | | Fitting aluminium battens to aluminium wainscoting (perforated aluminium collars) | | | | | | m | | | 196,00 | | |
|  | | | CK32B | | | Blinds (shutters) for windows, venetian blinds made of anodized aluminum, including accessories / Roller blinds made of textile material, fixed on the glass profile, color RAL 9016, 50% transparency | | | | | | m2 | | | 62,00 | | |
|  | |  | | | **Total 11 Interior finishing** | | | | | |  | | |  | | |
|  | |  | | | **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** | | | | | | | | | | | |

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| ***Interior repair works and modernization of science classrooms in LT ''Boris Dinga'' from Criuleni*** |  |
| (name of the objective) |  |

***List of quantities of works***

**DEVIZ LOCAL № 0257 0131 - 2-1-2**

*Indoor water supply and sewerage networks (RAC)*

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

| 1 | 2 | 3 | 4 | 5 |
| --- | --- | --- | --- | --- |
|  |  | 1. **Dismantling** |  |  |
| 1 | RpSC05A | Dismantling a tiled sink including accessories | pcs. | 3,00 |
| 2 | RpSD02A | Dismantling a wall battery with D=1/2" for multiple functions | pcs. | 3,00 |
| 3 | RpSA04A | Dismantling the existing unplasticized heavy type polyvinyl chloride (PVC) pipes inside the building, at connections, columns, or distribution pipes, with a diameter of 20 mm | m | 13,00 |
| 4 | RpSB03A | Dismantling of unplasticized lightweight polyvinyl chloride (PVC) pipes with a diameter of 50 mm | m | 10,00 |
| 5 | RpSB03B | Dismantling of unplasticized polyvinyl chloride (PVC) light type pipes with a diameter of 110 mm | m | 3,00 |
|  |  | **Total 1. Dismantling** |  |  |
|  |  | 1. **Sanitary works water/sewerage** |  |  |
| 6 | SD19A | Retention valve with straight valve stem with threaded nipples, diameter 15 m | pcs. | 6,00 |
| 7 | SD19A | Retention valve with straight valve stem with threaded sockets, diameter 20 mm | pcs. | 1,00 |
| 8 | SA17A | Plastic pipe joined by polyfusion welding, in distribution pipes, in residential and social-cultural buildings, with a diameter of 20 mm (polypropylene PP-R PN10) | m | 12,00 |
| 9 | SA17A | Plastic pipe joined by polyfusion welding, in distribution pipes, in residential and social-cultural buildings, with a diameter of 25 mm (polypropylene PP-R PN10) | m | 6,00 |
| 10 | 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 | 18,00 |
| 11 | SF05C | Flushing of the cold or hot water installation, made of plastic pipes with a diameter of 20-75 mm | m | 18,00 |
| 12 | RpIF09C1 | Insulation of pipelines with longitudinally cut thermal insulating sleeves with diameter and thickness from D=20 mm (insulated pipes AF-D-022) | m | 12,00 |
| 13 | RpIF09C1 | Insulation of pipelines with longitudinally cut thermal insulating sleeves with diameter and thickness from D=25 mm (insulated pipes AF-D-022) | m | 6,00 |
| 14 | SA37B | Bracket for fixing the water and gas supply pipes, made of steel or PVC, mounted by recessing, the pipes having a diameter of 20 mm | pcs. | 6,00 |
| 15 | SA37C | Bracket for fixing the water and gas supply pipes, made of steel or PVC, mounted by recessing, the pipes having a diameter of 25 mm | pcs. | 4,00 |
| 16 | SD04A | Mixer with swinging arm for washbasin or washing machine, regardless of the closing mode, including for handicapped people, with 1/2" diameter (sink tap) | pcs. | 5,00 |
| 17 | SB05C | Unplasticized PVC light type (U) pipe for sewerage, joined by gluing, surface mounted or buried under the floor, diameter 50 mm | m | 27,00 |
| 18 | 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 | 2,70 |
| 19 | SC04A | Washbasin made of semi-porcelain, sanitary porcelain, etc. including for handicapped persons, with plastic drainpipe, mounted on brackets fixed on brick or reinforced concrete masonry walls (ceramic washbasin with plastic bottle trap) | pcs. | 5,00 |
| 20 | SA40A | Installation of fire-proof fire protection plugs with 50 mm dowels (fire sleeve) | pcs. | 8,00 |
|  |  | **Total 2. Sanitary works water/sewerage** |  |  |
|  |  | *Total* | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | Supply and storage expenses | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | *Total* |  |  |
|  |  | **Total Construction works** |  |  |
|  |  | **3. Mounting works** |  |  |
| 21 | SD04A adaptive | Mixing battery with tilting arm for washbasin or clothes washer, regardless of the closing mode, including for handicapped people, with 1/2" diameter (3.5 kWh flow water heater) | pcs. | 5,00 |
|  |  | *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** |  |  |
| 22 | supplier price | Instant water coil, electric 230V, 13A, 3-3.5 kW, hot water performance 1.2-1.7 l/min | set | 5,00 |
|  |  | Total |  |  |
|  |  | *Supply and storage costs* | 1,2 % |  |
|  |  | **Total 3. Machine** |  |  |
|  |  |  |  |  |
|  |  | **Total**  **Including salary** |  |  |

|  |  |
| --- | --- |
| ***Interior repair works and modernization of science classrooms in LT ''Boris Dinga'' from Criuleni*** |  |
| (name of the objective) |  |

***List of quantities of works***

**DEVIZ LOCAL № 0257 0154 - 2-1-3**

*Heating, ventilation, air conditioning (IVC)*

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

| 1 | 2 | 3 | 4 | 5 |
| --- | --- | --- | --- | --- |
|  |  | **1.1 Heating - Dismantling** |  |  |
| 1 | RpIB11A | Removal of position radiators for dismantling | m2 | 86,70 |
| 2 | RpIB11C | Dismantling brackets or supporting devices for dismantling | pcs. | 116,00 |
| 3 | RpIC19C | Dismantling of black pipes, for installations, installed in central heating by welding, in residential and social-cultural buildings, for connecting appliances, distribution columns, etc. with a diameter of 1 1/2". | m | 97,00 |
|  |  | **Total 1. Heating - Dismantling** |  |  |
|  |  | **1. 2 Heating** |  |  |
| 4 | IB01A | Cast-iron radiators with loose columns and circular cross-section or joined columns and elliptical cross-section (existing radiator) | m2 | 77,74 |
| 5 | IB20A | Support elements for heating elements, mounted on brick wall. (bracket with dowel for cast iron radiators) | pcs. | 104,00 |
| 6 | IC05E | Longitudinally welded, unthreaded black steel pipe for installations, mounted by welding in columns in central heating installations for production buildings (industrial constructions), the pipe having a diameter of 40 mm (previously dismantled) | m | 97,00 |
| 7 | IC05E | Longitudinally welded, unthreaded, black steel pipe for installations, assembled by welding in columns in central heating installations for production buildings (industrial constructions), pipe diameter 40 mm | m | 5,00 |
| 8 | 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 | 102,00 |
| 9 | 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 | 102,00 |
| 10 | RpIB08A | Internal cleaning of heating elements, including fault detection | m2 | 77,74 |
| 11 | IzJ09B | Painting of the sheet metal covering of pipes and appliances with oil paint in 2 coats, including priming | m2 | 14,28 |
| 12 | IzA08C | Hand painting of radiator bodies with oil paint | m2 | 77,74 |
| 13 | IC42A | Supports and fixtures for supporting pipes, boilers, appliances and vessels, weighing up to 2 kg / piece | kg | 68,00 |
|  |  | **Total 1.2 Heating** |  |  |
|  |  | **Total Heating works** |  |  |
|  |  | Total | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | *Supply and storage expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | *Total* |  |  |
|  |  | **Total Heating works** |  |  |
|  |  | **2. Ventilation** |  |  |
|  |  | **2.1 Sanitary works A.1** |  |  |
| 14 | IC40F adaptive | Bracket for fastening steel pipes for central heating or gas installation, mounted through 2 1/2" - 4" dowels, on expansion dowels, on concrete wall (FK250 quick release clamp) | pcs. | 2,00 |
| 15 | VB01A | Butterfly valve, butterfly, mounted on circular channels type CFC-I, CFC-II, with perimeter 800 - 1600 mm (check valve RSK250) | pcs. | 1,00 |
| 16 | VB27B | Protective cap, for circular channels with perimeter 700 - 1600 mm (stainless steel umbrella in insulation 0,7mm, Dn250 mm) | pcs. | 1,00 |
| 17 | VA02E | Manufacture and installation of straight ventilation ducts, made of galvanized sheet metal or aluminium 0.3 - 2 mm thick, with a perimeter of the circular section of 250 - 700 mm (stainless steel sheet gr.0.5mm) | m2 | 4,71 |
| 18 | VA13F | Special piece (elbow), made of galvanized sheet metal or aluminium of 0.5 - 2 mm thickness inclusive, with a perimeter of the circular section of 250 mm (stainless sheet 0.5 mm) | m2 | 0,62 |
|  |  | **Total 2.1 Sanitary works A.1** |  |  |
|  |  | **2.2 Sanitary works A.2, A.3** |  |  |
| 19 | IC40F adaptive | Bracket for fastening steel pipes for central heating or gas installation, mounted through 2 1/2" - 4" dowels, on expansion dowels, on concrete wall (quick release clamp FK100) | pcs. | 4,00 |
| 20 | VB01A | Butterfly valve, butterfly, mounted on circular channels type CFC-I, CFC-II, with perimeter 800 - 1600 mm (check valve RSK100) | pcs. | 2,00 |
| 21 | VB27A | Protective cap, for circular ducts with perimeter 230 - 700 mm (umbrella made of galvanized sheet steel 0,5 mm, Dn100 mm) | pcs. | 1,00 |
| 22 | VB15A | Ready-made frame with simultaneously adjustable blinds, perimeter 800 - 2500 mm, mounted on masonry (RAG 150x150 grid) | pcs. | 1,00 |
| 23 | VA02E | Manufacture and installation of straight ventilation ducts, made of galvanized sheet metal or aluminium of 0.3 - 2 mm thickness, with a perimeter of the circular section of 250 - 700 mm (galvanized sheet metal gr.0.5mm) | m2 | 1,57 |
| 24 | VA13F | Special piece (elbow), made of galvanized sheet metal or aluminium of 0.5 - 2 mm thickness inclusive, with a perimeter of the circular section of 100 mm (galvanized sheet 0.5 mm) | m2 | 0,20 |
| 25 | VA17F | Special piece (reduction), made of galvanized or aluminium sheet of 0,5 - 2 mm thickness, with a perimeter of the circular section of 100/150x150 mm (galvanized sheet 0,5 mm) | m2 | 0,15 |
| 26 | VB15B | Ready-made frame with simultaneously adjustable blinds, perimeter 800 - 2500 mm, mounted on the channel (door grille MV450/2) | pcs. | 3,00 |
|  |  | **Total 2.2 Sanitary works A.2, A.3** |  |  |
|  |  | **2.3 Thermal insulation ventilation ducts** |  |  |
| 27 | IzH05B | Insulation of pipes with glass wool, mineral wool type I or type P mats sewn on one side, on galvanized steel wire, made on site, with a thickness of 20; 30; 40; 50 or 60 mm, for pipes with a circumference over the thermal insulation exceeding 30 mm (ISOTEC KIM-AL 50 mm) | m2 | 1,30 |
|  |  | **Total 2.3 Thermal insulation ventilation ducts** |  |  |
|  |  | **Total 2. Ventilation - Sanitary works, thermal insulation** |  |  |
|  |  | Total | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | *Supply and storage expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | *Total* |  |  |
|  |  | **Total 2. Ventilation - Sanitary works, thermal insulation** |  |  |
|  |  | **3. Ventilation Mounting work** |  |  |
|  |  | **3.1. RA 1 - RA 13** |  |  |
| 28 | VC37D | Installation of domestic air conditioners (split-system) motor power up to 8.5 kw, from stairs (supply and exhaust ventilation systems with heat recovery) | pcs. | 13,00 |
|  |  | **Total 3.1 RA 1-RA 13** |  |  |
|  |  | **3.2. A 1, A 2** |  |  |
| 29 | VC05A | Installation of axial fans, with leaf - cloverleaf blades, in explosion-proof construction, axial, low pressure, both directly driven with coupling, with a flow rate of 2000-10.800 mc/h with electric motor of 0,37 - 1,1 kw (K100EC sileo fan) | pcs. | 2,00 |
| 30 | VB18A | Noise meter, rectangular, perimeter 1000 - 2000 mm (LDC 100-900 silencer) | pcs. | 2,00 |
|  |  | **Total 3.2 A 1, A 2** |  |  |
|  |  | Total | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | *Supply and storage expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | *Total* |  |  |
|  |  | **Total 3. Ventilation mounting works** |  |  |
|  |  | **4. Machine** |  |  |
|  |  | **4.1 RA 1-RA 13** |  |  |
| 31 | Market price | Supply and exhaust ventilation systems with heat recovery, Climtec RD 200+standard | set | 13,00 |
|  |  | **4.2 A 1, A 2** |  |  |
| 32 | Market price | Fan L=55m3/hour; H=300Pa; N=0,084kW; n=3300rpm, K100EC sileo | pcs. | 2,00 |
| 33 | Market price | Regulator, RE1.5 | pcs. | 2,00 |
| 33 | Market price | **Noise silencer LDC 100-900** | pcs. | 2,00 |
|  |  | **4.3 Conditioning** |  |  |
| 34 | Market price | Air cooler L=1000 m3/hour, evaporation capacity - 2.8 l/hour, V tank=60l, -220-240V/50Hz, N=125w, TROTEC AIR COOLER PAE 81 | pcs. | 5,00 |
|  |  | **Total 4. Machine** |  |  |
|  |  | *Total* | lei |  |
|  |  | *Supply and storage costs* | 1,2 % |  |
|  |  | **Total 4. Machine** |  |  |
|  |  |  |  |  |
|  |  | **Total**  **Including salary** |  |  |

|  |  |
| --- | --- |
| ***Interior repair works and modernization of science classrooms in LT ''Boris Dinga'' from Criuleni*** |  |
| (name of the objective) |  |

***List of quantities of works***

**DEVIZ LOCAL № 0257 0161 - 2-1-4**

*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 | pcs. | 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 | pcs. | 5,00 |
| 3 | RpEJ09A | Repairing gaps in walls with plaster mortar | pcs. | 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 | 08-03-572-4 | Control block for cabinet or distribution point (cabinet) execution, wall-mounted, height and width, mm, up to 1200х1000 (hinged switchgear cabinet PR11-3068-21U3) GRS-1 | pcs. | 1,00 |
| 7 | 08-03-525-3 | Switch or package switch in metal casing, mounted on wall or column construction, quantity of clamps for connection up to 9, current up to 250 A (switch BP 32-35 250A) | pcs. | 1,00 |
| 8 | 08-03-526-2 | Automatic single-, double-, three-pole, wall or column mounted, current up to 100 (ВА47-100-100/3/С40А) | pcs. | 1,00 |
| 9 | 08-03-526-1 | Single-, double-, three-pole automatic, wall or column mounted, current up to 25 A | pcs. | 4,00 |
| 10 | 08-03-572-8 | Cabinet or distribution point (cabinet) execution control block, mounted in niche, height and width, mm, up to 700х850 (switchboard, metatallic, recessed, with zakommmmm, for installation of 24 modular ShchRv-24z, IP31) RP-1 | pcs. | 1,00 |
| 11 | 08-03-525-1 | Switch or package switch in metal casing, mounted on wall or column construction, quantity of clamps for connection up to 9, current up to 25 A (load disconnector VNN32-3P-20A) | pcs. | 1,00 |
| 12 | 08-03-526-1 | Automatic single-, double-, three-pole, wall or column mounted, current up to 25 A | pcs. | 9,00 |
| 13 | 08-03-572-8 | Cabinet or distribution point (cabinet) execution control block, mounted in niche, height and width, mm, up to 700х850(switchboard, metatallic, recessed, with zakommmmm, for installation of 24 modular ShchRv-24z, IP31) RP-2 | pcs. | 1,00 |
| 14 | 08-03-525-1 | Switch or package switch in metal casing, mounted on wall or column construction, quantity of clamps for connection up to 9, current up to 25 A (load disconnector VNN32-3P-20A) | pcs. | 1,00 |
| 15 | 08-03-526-1 | Automatic single-, double-, three-pole, wall or column mounted, current up to 25 A | pcs. | 12,00 |
| 16 | 08-03-572-8 | Cabinet or distribution point (cabinet) execution control block, mounted in niche, height and width, mm, up to 700х850 (switchboard, metal, recessed, with lock, for installation of 36 modular ShchRv-36z, IP31) RP-3 | pcs. | 1,00 |
| 17 | 08-03-525-2 | Switch or package switch in metal casing, mounted on wall or column construction, quantity of clamps for connection up to 9, current up to 100 A(load disconnector VNN32-3P/40A) | pcs. | 1,00 |
| 18 | 08-03-526-1 | Single-, double-, three-pole automatic, wall or column mounted, current up to 25 A | pcs. | 14,00 |
| 19 | 08-03-572-8 | Control block for cabinet or distribution point (cabinet) execution, mounted in niche, height and width, mm, up to 700х850 (switchboard distribution, metal, metal, built-in, with zakomm, for installation of 12 modules ЩРв-12з, IP31) ЩВ-1 | pcs. | 1,00 |
| 20 | 08-03-525-1 | Switch or package switch in metal casing, mounted on wall or column construction, quantity of clamps for connection up to 9, current up to 25 A (load disconnector VNN32-3P-20A) | pcs. | 1,00 |
| 21 | 08-03-526-1 | Automatic single-, double-, three-pole, wall or column mounted, current up to 25 A | pcs. | 7,00 |
| 22 | 08-03-572-8 | Control block for cabinet or distribution point (cabinet) execution, mounted in niche, height and width, mm, up to 700х850 (switchboard, metatallic, metal, built-in, with zakomm, for installation of 12 modules ЩРв-12з, IP31) ЩВ-1 | pcs. | 1,00 |
| 23 | 08-03-525-1 | Switch or package switch in metal casing, mounted on wall or column construction, quantity of clamps for connection up to 9, current up to 25 A (load disconnector VNN32-3P-20A) | pcs. | 1,00 |
| 24 | 08-03-526-1 | Single-, double-, three-pole automatic, wall or column mounted, current up to 25 A | pcs. | 5,00 |
| 25 | 08-03-529-1 | DC contactor for construction, current up to 160 A (small-sized contactor, KMI 10960, 9A) | pcs. | 3,00 |
| 26 | 08-03-593-10 | Wall lighting indicators (light sign EXIT IP20, 11 W, LED with emergency power supply DPA 2104) | 100 pcs | 0,01 |
| 27 | 08-03-594-17 | Luminaire with luminescent lamps in suspended ceilings, mounted in embedded parts, quantity of lamps, in luminaire, 4 (LED luminaire, recessed, 220V, 48W, IP20, 600x600mmmm, Frame) | 100 pcs | 0,57 |
| 28 | 08-03-594-3 | Luminaire with luminescent lamps mounted separately on pivots, quantity of lamps, in the luminaire, up to 4 (LED panel on the ceiling 220V, 48W, IP20, 595x595x110mmm, LED PANEL FRAME) | 100 pcs | 0,15 |
| 29 | Market price | With Exit light IP20, 11 W, LED with emergency power supply DPA 2104 | pcs. | 1,00 |
| 30 | Market price | LED luminaire, recessed, 220V, 48W, IP20, 600x600mmmm, Frame | pcs. | 57,00 |
| 31 | Market price | LED ceiling LED panel 220V, 48W, IP20, 595x595x110mmm, LED PANEL FRAME | pcs. | 15,00 |
| 32 | 08-02-412-1 | Insertion of conductors into metal pipes and hoses: first single or multistranded conductor in common strand, cross-section up to 2.5 mm2 (cable with copper conductors VVVVGGngg-LS (3x1.5) mm2) | 100 m | 6,90 |
| 33 | 08-02-412-1 | Insertion of conductors into metal pipes and hoses: first single or multi-wire conductor in common strand, cross-section up to 2.5 mm2 (cable with copper conductors VVVVGGngg-LS (3x2.5) mm2) | 100 m | 4,15 |
| 34 | 08-02-412-1 | Insertion of conductors into metal pipes and hoses: first single or multi-wire conductor in common strand, cross-section up to 2.5 mm2 (cable with copper conductors VVVVGGngg-LS (4x1.5) mm2) | 100 m | 0,30 |
| 35 | 08-02-412-1 | Insertion of conductors into metal pipes and hoses: first single or multistranded conductor in common strand, cross-section up to 2.5 mm2 (cable with copper conductors VVVVGGngg-LS (5x1.5) mm2) | 100 m | 0,10 |
| 36 | 08-02-412-2 | Insertion of conductors into metal pipes and hoses: the first single-wire or multi-wire conductor in common strand, cross-section up to 6 mm2 (cable with copper conductors VVVVGngng-LS (5x4) mm2) | 100 m | 0,75 |
| 37 | 08-02-412-2 | Insertion of conductors into metal pipes and hoses: the first single-wire or multi-wire conductor in common strand, cross-section up to 6 mm2 (cable with copper conductors VVVVGGngg-LS (5x6) mm2) | 100 m | 0,30 |
| 38 | 08-02-412-6 | Insertion of conductors into metal pipes and hoses: first single or multistranded conductor in common strand, cross-section up to 120 mm2 (cable with copper conductors VVVVGGngg-LS (5x95) mm2) | 100 m | 0,50 |
| 39 | 08-02-412-1 | Insertion of conductors into metal pipes and hoses: first single or multi-wire conductor in common strand, cross-section up to 2.5 mm2 (cable with copper conductors VVVVGnng-FRLS (3x1.5) mm2) | 100 m | 0,20 |
| 40 | Market price | Cable with copper conductors with PVC insulation VVGng-LS cross-section. 3x1,5 mm2 | m | 690,00 |
| 41 | Market price | Cable with copper conductors with PVC insulation VVGng-LS cross-section. 3x2,5 mm2 | m | 415,00 |
| 42 | Market price | Cable with copper conductors with PVC insulation VVGng-LS cross-section. 4x1,5 mm2 | m | 30,00 |
| 43 | Market price | Cable with copper conductors with PVC insulation VVGng-LS cross-section. 5x1,5 mm2 | m | 10,00 |
| 44 | Market price | Cable with copper conductors with PVC insulation VVGng-LS cross-section. 5x4 mm2 | m | 75,00 |
| 45 | Market price | Cable with copper conductors with PVC insulation VVGng-LS cross-section. 5x6 mm2 | m | 30,00 |
| 46 | Market price | Cable with copper conductors with PVC insulation VVGng-LS cross-section. 5x95 mm2 | m | 50,00 |
| 47 | Market price | Cable with copper conductors with PVC insulation VVGGGGng-FRLS section. 3x1,5 mm2 | m | 20,00 |
| 48 | 08-02-409-1 | Vinylplast sheeting on installed constructions, on walls and columns, fastening with toothpicks, diameter up to 25 mm (pipe PVC 25 ммм) | 100 m | 12,15 |
| 49 | 08-02-409-1 | Vinyl-plast pipes on installed constructions, on walls and columns, fastening with toothpicks, diameter up to 25 mm (pipe PVC 32 ммм) | 100 m | 0,30 |
| 50 | 08-03-591-9 | Ungrounded socket outlet, for closed installation (plug socket for flush wiring, 16A, 220V, IP20) | 100 pcs | 0,47 |
| 51 | 08-03-591-9 | Uninsulated socket outlet for closed installation (computer socket, 16A, 220V, IP20) | 100 pcs | 0,66 |
| 52 | 08-03-591-5 | Two-key switch, non-insulated type, for closed installation (two-key switch IP20) | 100 pcs | 0,07 |
| 53 | 08-03-591-2 | Switch with one flap, non-insulated type, for closed installation (single-key switch IP20) | 100 pcs | 0,12 |
| 54 | 08-03-591-9 | Uninsulated socket outlet with closed installation (universal floor recessed unit for 3 modules VIMAR-u54303) | 100 pcs | 0,05 |
| 55 | Market price | Universal floor recessed unit for 3 modules VIMAR-u54303 | pcs. | 3,00 |
| 56 | Market price | Box for installing flush-mounted switches and sockets | pcs. | 130,00 |
|  |  | **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** |  |  |
| 57 | supplier price | Hinged switchgear cabinet PR11-3068-21U3 | pcs. | 1,00 |
| 58 | supplier price | Switch-disconnector VR32-35 3P/250A | pcs. | 1,00 |
| 59 | supplier price | Independent trip unit PH-47 | pcs. | 1,00 |
| 60 | supplier price | Independent tripping device VA47-100-100-100/3P/C25PN-47 three-pole automatic tripping device | pcs. | 2,00 |
| 61 | supplier price | Automatic three-pole switch VA47-100-100-100/3P/C40 | pcs. | 1,00 |
| 62 | supplier price | Three-pole automatic switch VA47-100-100-100/3P/C20 | pcs. | 1,00 |
| 63 | supplier price | Box for installation of 24 modules, metal, recessed, with lock ShchRv-24z-1, IP31 | pcs. | 1,00 |
| 64 | supplier price | Load disconnector VN32-3P/20 | pcs. | 1,00 |
| 65 | supplier price | VA47-29/1P/V10 single-pole automatic switch VA47-29/1P/V10 | pcs. | 2,00 |
| 66 | supplier price | Automatic single-pole switch VA 47-29 1P/C10 | pcs. | 1,00 |
| 67 | supplier price | Diffused two-pole AVDT 32C/16C/30mA circuit breaker | pcs. | 4,00 |
| 68 | supplier price | Diffused two-pole AVDT 32C/20C/10mA circuit breaker | pcs. | 1,00 |
| 69 | supplier price | Diffused two-pole AVDT 32C/10C/10/10/10mA circuit breaker | pcs. | 1,00 |
| 70 | supplier price | Box for installation of 24 modules, metal, recessed, with lock ShchRv-24z-1, IP31 | pcs. | 1,00 |
| 71 | supplier price | Load disconnector VN32-3P/20 | pcs. | 1,00 |
| 72 | supplier price | VA47-29/1P/V10 single-pole automatic switch VA47-29/1P/V10 | pcs. | 2,00 |
| 73 | supplier price | Automatic single-pole switch VA 47-29 1P/C10 | pcs. | 1,00 |
| 74 | supplier price | Diffused two-pole AVDT 32C/16C/30mA circuit breaker | pcs. | 6,00 |
| 75 | supplier price | Diffused two-pole AVDT 32C/20C/10mA circuit breaker | pcs. | 1,00 |
| 76 | supplier price | Diffused two-pole AVDT 32C/10C/30mA circuit breaker | pcs. | 2,00 |
| 77 | supplier price | Box for installation of 36 modules, metal, recessed, with lock ShchRv-36z-1, IP31 | pcs. | 1,00 |
| 78 | supplier price | Load disconnector VN32-3P/40 | pcs. | 1,00 |
| 79 | supplier price | Automatic single-pole switch VA47-29-29-29/1P/C20 | pcs. | 1,00 |
| 80 | supplier price | VA47-29/1P/V10 single-pole automatic switch VA47-29/1P/V10 | pcs. | 3,00 |
| 81 | supplier price | Automatic single-pole switch VA 47-29 1P/C10 | pcs. | 1,00 |
| 82 | supplier price | Diffused two-pole AVDT 32C/16C/30mA circuit breaker | pcs. | 6,00 |
| 83 | supplier price | Diffused two-pole AVDT 32C/20C/10mA circuit breaker | pcs. | 1,00 |
| 84 | supplier price | Diffused two-pole AVDT 32C/10C/30mA circuit breaker | pcs. | 2,00 |
| 85 | supplier price | Box for installation of 12 modules, metal, recessed, with lock ShchRv-12z, IP31 | pcs. | 1,00 |
| 86 | supplier price | Load disconnector VN32-3P/20 | pcs. | 1,00 |
| 87 | supplier price | Automatic single-pole switch VA 47-29 1P/C10 | pcs. | 7,00 |
| 88 | supplier price | Box for installation of 12 modules, metal, recessed, with lock ShchRv-12z, IP31 | pcs. | 1,00 |
| 89 | supplier price | Load disconnector VN32-3P/20 | pcs. | 1,00 |
| 90 | supplier price | Automatic single-pole switch VA 47-29 1P/C10 | pcs. | 5,00 |
| 91 | supplier price | Small-size contactor, IP54, 9A, KMI 10960 | pcs. | 3,00 |
| 92 | 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 | pcs. | 5,00 |
|  |  | **Total 3. Machine** |  |  |
|  |  | *Total* |  |  |
|  |  | *Supply and storage costs* | 1,2 % |  |
|  |  | **Total 3. Machine** |  |  |
|  |  |  |  |  |
|  |  | **Total**  **Including salary** |  |  |

|  |  |
| --- | --- |
| ***Interior repair works and modernization of science classrooms in LT ''Boris Dinga'' from Criuleni*** |  |
| (name of the objective) |  |

***List of quantities of works***

**DEVIZ LOCAL № 0257 0180 - 2-1-5**

*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. Assembly works** |  |  |
| 1 | 11-03-001-01 | Devices, installed on metal constructions, panels and desks: device, mass, kg, up to: 5 (expansion card for 8 zones FS 5202) | pcs. | 1,00 |
| 2 | 10-08-002-02 | Automatic "ПС" smoke, photoelectric, radioisotope, radioisotope and light alarms in normal execution (smoke detector complete with base) | pcs. | 68,00 |
| 3 | 10-08-002-02 | Automatic "ПС" warning devices: smoke, photoelectric, radioisotope, light in normal operation (LED remote indicator light) | pcs. | 23,00 |
| 4 | 10-08-003-01 | Capacity signaling device (siren wailing) | pcs. | 3,00 |
| 5 | 10-01-055-02 | Laying cable and conductor on walls: Cable, mass 1 m up to 1 kg, on the wall: brick (fire-resistant, shielded cable, 1x2x0.8mm2, KKPSSEng(A) FRLS) | 100 m | 3,40 |
| 6 | Market price | Fire-resistant, shielded cable, 1x2x0.8mmm2, KPSEng(A) FRLS | m | 340,00 |
| 7 | 08-02-412-1 | Insertion of conductors into metal pipes and hoses: first single or multistranded conductor in common strand, cross-section up to 2.5 mm2 (cable with copper conductors VVVVGng(A)-FRLS cross-section. 2x1.5mm2) | 100 m | 0,20 |
| 8 | Market price | Cable with copper conductors, oggnestoyky, with PVC insulation VVVVGng(A)-FRLS cross-section. 2x1,5 mm2 | m | 20,00 |
| 9 | 08-02-410-1 | Polyethylene pipe, on floor support, diameter up to 25 mm PVC 16 mmm | 100 m | 3,60 |
| 10 | 08-02-410-1 | Polyethylene pipe, on floor support, diameter up to 25 mm PVC 25 mmm | 100 m | 0,10 |
| 11 | 08-01-087-3 | Metal constructions under machinery (fasteners) | t | 0,003 |
|  |  | **Total 1 Assembly works** |  |  |
|  |  | Total | lei |  |
|  |  | *Social insurance* | 24 % |  |
|  |  | *Transportation costs* | % |  |
|  |  | *Supply and storage expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Director's expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Benefit of the quote* | % |  |
|  |  | *Total* |  |  |
|  |  | **Total 1 Assembly works** |  |  |
|  |  | **2. Machine** |  |  |
| 12 | Market price | Expansion board for 8 zones FS 5202 | pcs. | 1,00 |
| 13 | Market price | Fire smoke detector | pcs. | 68,00 |
| 14 | Market price | Light remote indicator LED indicator LED indicator LED indicator | pcs. | 23,00 |
| 15 | Market price | Siren | pcs. | 3,00 |
|  |  | **Total 2. Machine** |  |  |
|  |  | *Total* |  |  |
|  |  | *Supply and storage costs* | 1,2 % |  |
|  |  | **Total 2. Machine** |  |  |
|  |  |  |  |  |
|  |  | **Total**  **Including salary** |  |  |

|  |  |
| --- | --- |
| ***Interior repair works and modernization of science classrooms in LT ''Boris Dinga'' from Criuleni*** |  |
| (name of the objective) |  |

***List of quantities of works***

**DEVIZ LOCAL № 0257 0181 - 2-1-6**

*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 | pcs. | 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 | pcs. | 8,00 |
| 3 | RpEJ09A | Repairing gaps in walls with plaster mortar | pcs. | 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 | 10-04-067-22 | Color television equipment: broadcast television camera (IP video camera, outdoor, HIKVISION, DS-2CD2955FWD-1) | pcs. | 5,00 |
| 5 | n/a | Software will already be installed, without additional payment | - | - |
| 6 | 10-04-067-22 | Color television equipment: broadcast television camera (16-channel video recorder, TRASSIR MININVR ANY IP 16) | pcs. | 1,00 |
| 7 | 10-03-013-05 | Service telecommunication switch (commutator Switch 16 port, 10/100 Mbps) | pcs. | 1,00 |
| 8 | Market price | Dispersal box IP54 100х100х70 mm | pcs. | 5,00 |
| 9 | Market price | Connector plug RJ 45 | pcs. | 10,00 |
| 10 | Market price | Patch cord 0,5 м | pcs. | 5,00 |
| 11 | 10-06-037-05 | Cabinets, boxes and boxes for pipe installations: Wall cabinet, size, mm, up to: 640х840 (power supply system UPS, 700VA) | pcs. | 1,00 |
| 12 | 10-06-037-05 | Cabinets, boxes and boxes for pipe installations: Wall cupboard, size, mm, up to: 600х600 (wiring closet 6U) | pcs. | 1,00 |
| 13 | 10-01-055-02 | Laying cable and conductor on walls: Cable, mass 1 m up to 1 kg, on the wall: brick (power cable 4х2х0,51 мм2 UTP-CAT.5) | 100 m | 2,30 |
| 14 | Market price | Power cable 4х2х0,51 мм2 UTP-CAT.5 | m | 230,00 |
| 15 | 08-02-410-1 | Polyethylene pipe, on floor support, diameter up to 25 mm (pipe PVC 20ммм) | 100 m | 2,30 |
| 16 | 08-01-087-3 | Metal constructions under machinery (fasteners) | t | 0,005 |
| 17 | 11-04-002-01 | Mass apparatus, mass, t, up to: 0,015 (system unit BM-01B-OP) | pcs. | 1,00 |
| 18 | 11-03-001-01 | Devices, installed on metal constructions, panels and desks: device, mass, kg, up to: 5 (hardware installed in the system unit) | pcs. | 6,00 |
| 19 | 11-08-001-04 | Connecting electrical networks to appliances by soldering (wire bonding) | 100 pcs | 0,06 |
|  |  | **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** |  |  |
| 20 | Market price | IP video camera, outdoor, HIKVISION, DS-2CD2955FWD-1 | pcs. | 5,00 |
| 21 | The market | Network video recorder for 16 channels | pcs. | 1,00 |
| 22 | Market price | Commutator Switch 16 port, 10/100 Mbps | pcs. | 1,00 |
| 23 | Market price | Hard disk HDD 6 ТB | pcs. | 1,00 |
| 24 | Market price | Hard disk UPS 700 VA | pcs. | 1,00 |
| 25 | Market price | Switching cabinet 6U | pcs. | 1,00 |
| 26 | Market price | System unit BM-01B-OP | pcs. | 1,00 |
| 27 | Market price | System power supply 650 Watt, APS-650CB | pcs. | 1,00 |
| 28 | Market price | Motherboard Z370M-ITX/AC 1151V2 | pcs. | 1,00 |
| 29 | Market price | Processor INTEL (R) I7 8700K+куллер | pcs. | 1,00 |
| 30 | Market price | Video card GTX 1070 8192MB | pcs. | 1,00 |
| 31 | Market price | Hard disk 2 ТB ST2000DM011 | pcs. | 1,00 |
| 32 | Market price | RAM 8 GB DDR III 1GB | pcs. | 1,00 |
| 33 | Market price | Video monitor TFT 28" | pcs. | 2,00 |
| 34 | Market price | Operational system Windows 10 | pcs. | 1,00 |
| 35 | Market price | Keyboard SLIM STAR 110 | pcs. | 1,00 |
| 36 | Market price | Computer mouse | pcs. | 1,00 |
|  |  | **Total 3. Machine** |  |  |
|  |  | *Total* |  |  |
|  |  | *Supply and storage costs* | 1,2 % |  |
|  |  | **Total 3. Machine** |  |  |
|  |  | **4. Adjusting-demarking** |  |  |
| 37 | 10-06-068-15 | Adjusting synchronous digital transmission systems. Adjusting the control and routing system: configuration and adjustment of network components | pcs. | 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** |  |  |

|  |  |
| --- | --- |
| ***Interior repair works and modernization of science classrooms in LT ''Boris Dinga'' from Criuleni*** |  |
| (name of the objective) |  |

***List of quantities of works***

**DEVIZ LOCAL № 0257 0190 - 2-1-7**

*Communications, computer networks (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 | pcs. | 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 | pcs. | 5,00 |
| 3 | RpEJ09A | Repairing gaps in walls with plaster mortar | pcs. | 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 | 10-03-013-05 | Service telecommunication switch (Switchboard Switch 24 port) | pcs. | 1,00 |
| 7 | 11-03-001-01 | Devices, installed on metal constructions, panels and desks: device, mass, kg, up to: 5 (patch panel 24 ports, cat. 5e) | pcs. | 1,00 |
| 8 | Market price | Cable organizer 1U | pcs. | 1,00 |
| 9 | Market price | Patch cord optical 1 m | pcs. | 11,00 |
| 10 | 08-03-591-9 | Ungrounded, uninsulated, in closed installation (computer socket Rj-45 UTP5E) | 100 pcs | 0,11 |
| 11 | 10-01-055-02 | Cable and conductor laying on walls: Cable, mass 1 m up to 1 kg, on wall: brick (UTP cable cat. 5e/CU) | 100 m | 6,20 |
| 12 | Market price | Cable UTP cat. 5e/CU | m | 620,00 |
| 13 | 08-02-410-1 | Polyethylene pipe, on floor support, diameter up to 25 mm (pipe PVC 20mmm) | 100 m | 6,20 |
| 14 | 08-02-409-2 | Vinylplast sheeting on installed constructions, on walls and columns, fastening with toothpicks, diameter up to 50 mm (PVC pipe 40 mmm) | 100 m | 0,12 |
|  |  | **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** |  |  |
| 15 | Market price | 24 Port Switch | pcs. | 1,00 |
| 16 | Market price | 24 port Rath panel, cat. 5e | pcs. | 1,00 |
|  |  | **Total 3. Machine** |  |  |
|  |  | *Total* |  |  |
|  |  | *Supply and storage costs* | 1,2 % |  |
|  |  | **Total 3. Machine** |  |  |
|  |  |  |  |  |
|  |  | **Total**  **Including salary** |  |  |