

**Major renovation of the building and
modernisation of the 'Ion Creanga' Secondary
School in Falesti, cadastral number
4301220.066, as part of the EU/UNDP
Moldova Project 'Improving Quality
Education and Opportunities'**

(name of the project)

Form No. 7
WinCmeta

LOCAL QUOTATION No. 2-1-3
Heating, ventilation and air-conditioning systems (0029/25-1-IVC)

Prepared at current prices:

No. No.	Standard symbol and resource code	Works and expenses	Unit of measureme nt	Quantity as per project data	Estimated value, lei	
					Per unit of measure incl. wages	Total incl. salary
1	2	3	4	5	6	7
		1. Construction works 1.1. Demolition works				
1	RpIB11A	Dismantling of fixed radiators for removal (946 sections)	m ²	16.22		
2	RpIC19A	Removal of black pipes, for installations, fitted to central heating systems by welding, in residential and social/cultural buildings, for connecting appliances, distribution columns, etc., with a diameter of 3/8" – 3/4"	m	112.50		
3	RpIC19B	Removal of black pipes, for installations, fitted to central heating systems by welding, in residential and social/cultural buildings, for connecting appliances, distribution columns, etc., with a diameter of 1" – 1 1/4"	m	55.50		
4	RpIC19C	Removal of black pipes, for installations, fitted to central heating systems by welding, in residential and social/cultural buildings, for connecting appliances, distribution columns, etc., with a diameter of 1 1/2"–2"	m	17.00		
5	RpIC19D	Removal of black pipes, for installations, fitted to central heating systems by welding, in residential and social/cultural buildings, for connecting appliances, distribution columns, etc., with a diameter of 2 1/2"–3"	m	38.00		

1	2	3	4	5	6	7
6	TrB05A1-6	Transport by hand of light materials weighing less than 25 kg over a distance of 60 m	t	8.43		
7	TrI1AF08B 4	Loading of materials – scrap metal, – with a distance of up to 10 m – group F2B – from the ground into a category 1 vehicle	t	8.43		
8	TsI50A5	Transport of waste using a 5-tonne tipper lorry over a distance of 5 km	t	8.43		
9	RpVC37A	Dismantling of a duct fan, weighing 50–400 kg	pcs	1.00		
10	RpVC38A	Dismantling of radial fans with an air flow rate of 660–14,600 m³/h	pcs	3.00		
11	RpVB43A	Dismantling of louvre frames, mounted on masonry with a perimeter of 800–2,500 mm	pcs	18.00		
12	RpVB37A	Removal of general-purpose black sheet metal extractor hoods, types A, B or C, 0.5–0.8 mm thick (Extractor hood 1400 × 1000 mm – 1 unit)	m²	1.30		
13	RpVA35C	Dismantling of ventilation ducts made of black, galvanised or aluminium sheet, 0.7 mm thick, with a rectangular or circular cross-section perimeter of 1600–2500 mm	m²	12.00		
14	RpVA35D	Dismantling of ventilation ducts made of 0.9 mm black, galvanised or aluminium sheet, with a rectangular or circular cross-section perimeter of 2500 – 4000 mm	m²	20.00		
15	TrI1AF08B 4	Loading of materials – scrap metal, – with a distance of up to 10 m – group F2B – from the ground into a category 1 vehicle	t	2.80		
16	TsI50A5	Transport of waste using a 5-tonne tipper lorry over a distance of 5 km	t	2.80		
		<i>Total</i>	lei			
		Total demolition works Including wages				
		1.2. Ventilation system 1.2.2. R/A system 0.2				
37	IC31A	3/8" (9.52 mm) copper pipe in factory-fitted thermal insulation, 13 mm thick	m	10.00		
38	IC31A	5/8" (15.875 mm) copper pipe in factory-fitted thermal insulation, 13 mm thick	m	10.00		
39	IE04A	Carrying out expansion-contraction and operational tests on supply pipes for heating appliances (air heaters, convector heaters, skirting board	m	20.00		

1	2	3	4	5	6	7
		convectors, etc.) with a diameter of 3/8" ... 1"				
40	IE03A	Carrying out the pressure leak test on the supply pipes for heating appliances (fan heaters, convector heaters, skirting board convectors, etc.) with a diameter of 3/8" ... 1"	m	20.00		
41	CL20A	Grille made from ETIAL 60 extruded aluminium profile, RAL9010, for supply air, adjustable, with frame, with slats in a single row, with opposing-blade damper, cross-section 300x200 mm	pc	4.00		
42	CL20A	Grille made from ETIAL 60 extruded aluminium profile, RAL9010, for intake, adjustable, with frame, with blades in a single row, with opposing-blade damper, cross-section 300x200 mm	pcs	4.00		
43	VA22B	Installation of ventilation ducts at a height of up to 3 m from the floor, made of 0.7 mm thick galvanised sheet metal, airtightness class A (EN 12237), including fittings, with a perimeter of up to 1200 mm (300×150; 400×200; 700×200 mm) Small items (wiping cloths, silicone) = 1.0100	m ²	110.10		
44	VA22C	Installation of ventilation ducts at a height of up to 3 m from the floor, made of 0.7 mm thick galvanised sheet metal, airtightness class A (EN 12237), including fittings, with a perimeter of up to 1,800 mm (700 × 200 mm) Miscellaneous materials (wiping cloths, silicone) = 1.0100	m ²	6.10		
45	VA22E	Installation of ventilation ducts at a height of up to 3 m from the floor, made of 0.7 mm thick galvanised sheet metal, airtightness class A (EN 12237), including fittings, with a perimeter of up to 3,600 mm (700 x 450 mm) Miscellaneous materials (wiping cloths, silicone) = 1.0100	m ²	4.15		
46	bidder's price	Mesh with 15×15 mm apertures in frames	m ²	3.00		
47	bidder's price	Metal for fixing ventilation ducts	kg	107.00		
48	IzH07B	Insulation consisting of mineral wool (glass-based) thermal insulation mats with a reinforced aluminium foil covering (type AL), thickness 50 mm. Density – 25 kg/m ³ . Thermal	m ²	97.00		

1	2	3	4	5	6	7
		conductivity – 0.035–0.039 W/(m ² ·K)				
49	IzH07B	Insulation consisting of thermal insulation mats made of mineral wool (glass-based) with a reinforced aluminium foil covering (type AL), thickness 20 mm. Density – 25 kg/m ³ . Thermal conductivity – 0.035–0.039 W/(m ² ·K)	m ²	20.00		
50	IzI07D1	Thermal insulation protection for pipes and appliances using 0.5 mm thick galvanised sheet metal, fixed with self-tapping slotted head screws for sheet metal – fabrication	m ²	97.00		
51	IzI07D2	Thermal insulation protection for pipes and appliances using 0.5 mm thick galvanised sheet metal, secured with self-tapping screws with a semi-round slotted head for sheet metal – installation	m ²	97.00		
		<i>Total</i>	lei			
		Total R/A System 0.2 Including salary				
		1.2.4. Drainage R/A system				
68	SB05A	PVC soldered pipe, diameter 32 x 1.6 mm, PN10 Small materials (steel wire, sandpaper, etc.) = 1.0500	m	32.00		
69	RpIF09D	Thermal insulation made of basalt mineral wool, reinforced with aluminium foil, fitted to pipes; thermal conductivity ≤ 0.035 W/mK at 0 °C, with an internal diameter and insulation thickness of D = 35 × 20 mm Small items = 1.0500	m	35.50		
70	SB05A	PVC solder pipe, diameter 25 x 1.5 mm, PN10 Small items (steel wire, sandpaper, etc.) = 1.0500	m	8.50		
71	RpIF09D	Thermal insulation made of basalt mineral wool, reinforced with aluminium foil, fitted to pipes; thermal conductivity ≤ 0.035 W/mK at 0 °C; with an internal diameter and insulation thickness of D = 28 × 20 mm Small items = 1.0500	m	10.00		
		<i>Total</i>	lei			
		Total Drainage R/A System Including salary				
		1.2.7. System A 0.3				
92	VA20A	Installation of ventilation ducts at a height of up to 3 m from the floor,	m ²	11.16		

1	2	3	4	5	6	7
		made of 0.6 mm thick stainless steel sheet, airtightness class A (EN 12237), including fittings, with a circular cross-sectional diameter of 201–560 mm Miscellaneous materials (wiping cloths, silicone) = 1.0100				
93	VA20A	Installation of ventilation ducts at a height of up to 3 m from the floor, made of 0.7 mm thick stainless steel sheet, airtightness class A (EN 12237), including fittings, with a circular cross-sectional diameter of 201–560 mm Miscellaneous materials (wiping cloths, silicone) = 1.0100	m ²	39.40		
94	bidder's price	Mesh with 15×15 mm apertures in frames	m ²	0.50		
95	bidder's price	Metal for fixing ventilation ducts	kg	130.00		
96	IzH07B	Insulation consisting of mineral wool (glass-based) thermal insulation mats with a reinforced aluminium foil covering (type AL), thickness 50 mm. Density – 25 kg/m ³ . Thermal conductivity – 0.035–0.039 W/(m ² ·K)	m ²	33.00		
97	IzI07D1	Thermal insulation protection for pipes and appliances using 0.5 mm thick galvanised sheet metal, fixed with self-tapping slotted head screws for sheet metal – fabrication	m ²	33.00		
98	IzI07D2	Thermal insulation protection for pipes and appliances using 0.5 mm thick galvanised sheet metal, secured with semi-round slotted , self-tapping sheet metal screws – installation	m ²	33.00		
		<i>Total</i>	lei			
		Total System A 0.3 Including salary				
		1.2.8. System A 0.4				
99	CL20A	Grille made from ETIAL 60 extruded aluminium profile, RAL9010, for air intake, adjustable, with frame, with slats in a single row, with damper with opposing slats, cross-section 200x100 mm	pcs	3.00		
100	CL20A	Grille made from ETIAL 60 extruded aluminium profile, RAL9010, for air intake, adjustable, with frame, with blades in a single row, with opposing-blade damper, cross-section 200x200 mm	pcs	1.00		

1	2	3	4	5	6	7
101	CL20A	Grille made from ETIAL 60 extruded aluminium profile, RAL9010, for intake, adjustable, with frame, with blades in a single row, with opposing-blade damper, cross-section 300x200 mm	pcs	1.00		
102	VB09B	Installation of a manually adjustable air flow control valve, D=200 mm, fitted to the duct	pcs	2.00		
103	VA19A	Installation of ventilation ducts at a height of up to 3 m from the floor, made of 0.5 mm thick galvanised sheet metal, airtightness class A (EN 12237), including fittings, with a circular cross-sectional diameter of up to 200 mm Miscellaneous materials (wiping cloths, silicone) = 1.0100	m ²	10.43		
104	VA20A	Installation of ventilation ducts at a height of up to 3 m from the floor, made of 0.6 mm thick galvanised sheet metal, airtightness class A (EN 12237), including fittings, with a circular cross-sectional diameter of 201–560 mm Miscellaneous materials (wiping cloths, silicone) = 1.0100	m ²	14.34		
105	VA22C	Installation of ventilation ducts at a height of up to 3 m from the floor, made of 0.7 mm thick galvanised sheet metal, airtightness class A (EN 12237), including fittings, with a perimeter of up to 1,800 mm Miscellaneous materials (wiping rags, silicone) = 1.0100	m ²	0.50		
106	bidder's price	Mesh with 15×15 mm apertures in frames	m ²	0.50		
107	bidder's price	Metal for fixing ventilation ducts	kg	21.50		
108	IzH07B	Insulation consisting of mineral wool (glass-based) thermal insulation mats with a reinforced aluminium foil covering (type AL), thickness 50 mm. Density – 25 kg/m ³ . Thermal conductivity – 0.035–0.039 W/(m ² ·K)	m ²	17.00		
109	IzI07D1	Thermal insulation protection for pipes and appliances using 0.5 mm thick galvanised sheet metal, fixed with self-tapping slotted head screws for sheet metal – fabrication	m ²	17.00		
110	IzI07D2	Thermal insulation protection for pipes and appliances using 0.5 mm thick galvanised sheet metal, secured with self-tapping screws with a semi-	m ²	17.00		

1	2	3	4	5	6	7
		round slotted head for sheet metal – installation				
		<i>Total</i>	lei			
		Total System A 0.4 Including salary				
		1.2.10. System A 1.1				
123	CL20A	Disc valve (diffuser) made from 0.7 mm thick sheet metal, electrostatic spray-painted in RAL9010, for extraction, adjustable, D=125 mm	pcs	9.00		
124	VB09B	Installation of a manually adjustable air flow control valve, D=125 mm, fitted to the duct	pcs	9.00		
125	VA19A	Installation of ventilation ducts at a height of up to 3 m from the floor, made of 0.5 mm thick galvanised sheet metal, airtightness class A (EN 12237), including fittings, with a circular cross-sectional diameter of up to 200 mm Miscellaneous materials (wiping cloths, silicone) = 1.0100	m ²	17.37		
126	bidder's price	Mesh with 15×15 mm apertures in frames	m ²	0.50		
127	bidder's price	Metal for fixing ventilation ducts	kg	14.10		
128	IzH07B	Insulation consisting of mineral wool (glass-based) thermal insulation mats with a reinforced aluminium foil covering (type AL), thickness 50 mm. Density – 25 kg/m ³ . Thermal conductivity – 0.035–0.039 W/(m ² ·K)	m ²	11.00		
129	IzI07D1	Thermal insulation protection for pipes and appliances using 0.5 mm thick galvanised sheet metal, fixed with self-tapping slotted head screws for sheet metal – fabrication	m ²	11.00		
130	IzI07D2	Thermal insulation protection for pipes and appliances using 0.5 mm thick galvanised sheet metal, secured with self-tapping screws with a semi-round slotted head for sheet metal – installation	m ²	11.00		
		<i>Total</i>	lei			
		Total System A 1.1 Including salary				
		1.2.12. System A 2.1				
138	CL20A	Disc valve (diffuser) made from 0.7 mm thick sheet metal, electrostatic spray-painted in RAL9010, for extraction, adjustable, D=125 mm	pcs	10.00		

1	2	3	4	5	6	7
139	VB09B	Installation of the manually adjustable air flow control valve () with D=125 mm, fitted to the duct	pc	10.00		
140	VA19A	Installation of ventilation ducts at a height of up to 3 m from the floor, made of 0.5 mm thick galvanised sheet metal, airtightness class A (EN 12237), including fittings, with a circular cross-sectional diameter of up to 200 mm Miscellaneous materials (wiping cloths, silicone) = 1.0100	m ²	16.11		
141	bidder's price	Mesh with 15×15 mm apertures in frames	m ²	0.50		
142	bidder's price	Metal for fixing ventilation ducts	kg	13.00		
143	IzH07B	Insulation consisting of mineral wool (glass-based) thermal insulation mats with a reinforced aluminium foil covering (type AL), thickness 50 mm. Density – 25 kg/m ³ . Thermal conductivity – 0.035–0.039 W/(m ² ·K)	m ²	6.20		
144	IzI07D1	Thermal insulation protection for pipes and appliances using 0.5 mm thick galvanised sheet metal, fixed with self-tapping slotted head screws for sheet metal – fabrication	m ²	6.20		
145	IzI07D2	Thermal insulation protection for pipes and appliances using 0.5 mm thick galvanised sheet metal, secured with self-tapping screws with a semi-round slotted head for sheet metal – installation	m ²	6.20		
		<i>Total</i>	lei			
		Total System A 2.1 Including salary				
		1.2.18. Systems R/A 1.1 – R/A 1.4, R/A 2.1 – R/A 2.4, R/A 3.1 – R/A 3.7				
202	CL20A	Air intake with rain and insect protection made from ETIAL 60 extruded aluminium profile, RAL 9010, cross-section 600 × 150 mm	pcs	30.00		
203	CL20A	Grille made from ETIAL 60 extruded aluminium profile, RAL9010, for supply air, adjustable, with frame, with slats in a single row, with opposing-blade damper, cross-section 400 x 150 mm	pcs	45.00		
204	VA19A	Installation of ventilation ducts at a height of up to 3 m from the floor, made of 0.5 mm thick galvanised	m ²	8.32		

1	2	3	4	5	6	7
		sheet metal, airtightness class A (EN 12237), including fittings, with a circular cross-section diameter of up to 200 mm Miscellaneous materials (wiping cloths, silicone) = 1.0100				
205	VA22C	Installation of ventilation ducts at a height of up to 3 m from the floor, made of 0.7 mm thick galvanised sheet metal, airtightness class A (EN 12237), including fittings, with a perimeter of: up to 1800 mm s (600 x 150 mm) Miscellaneous materials (wiping cloths, silicone) = 1.0100	m ²	51.75		
206	VA22C	Installation of ventilation ducts at a height of up to 3 m from the floor, made of 0.5 mm thick galvanised sheet metal, airtightness class A (EN 12237), including fittings, with a perimeter of up to 1800 mm (450 × 200 mm) Miscellaneous materials (wiping cloths, silicone) = 1.0100	m ²	40.82		
207	bidder's price	Metal for fixing ventilation ducts	kg	31.00		
208	IzH07B	Insulation consisting of mineral wool (glass-based) thermal insulation mats with a reinforced aluminium foil covering (type AL), thickness 50 mm. Density – 25 kg/m ³ . Thermal conductivity – 0.035–0.039 W/(m ² ·K)	m ²	49.50		
209	SB05A	PVC soldering pipe, diameter 25 x 1.5 mm, PN10 Small items (steel wire, sandpaper, etc.) = 1.0500	m	215.00		
		<i>Total</i>	lei			
		Total R/A 1.1 – R/A 1.4, R/A 2.1 – R/A 2.4, R/A 3.1 – R/A 3.7 systems Including salary				
		1.2.20. Systems R/A 0.1, R/A 1.01 – R/A 1.04, R/A 2.01 – R/A 2.06				
218	IzH07B	Insulation consisting of mineral wool (glass-based) thermal insulation mats with a reinforced aluminium foil covering (type AL), thickness 50 mm. Density – 25 kg/m ³ . Thermal conductivity – 0.035–0.039 W/(m ² ·K)	m ²	19.00		
219	bidder's price	Metal for fixing ventilation ducts	kg	6.00		
		<i>Total</i>	lei			

1	2	3	4	5	6	7
		Total R/A 0.1, R/A 1.01 – R/A 1.04, R/A 2.01 – R/A 2.06 systems Including salary				
		Total Ventilation system Including wages				
		1.3. Smoke extraction system 1.3.1. AF1 system				
236	VA22E	Installation of ventilation ducts at a height of up to 3 m from the floor, made of 0.8 mm thick galvanised sheet metal, airtightness class B (EN 12237), including fittings, with a perimeter of up to 3600 mm (800 x 300 mm) Small items (wiping cloths, silicone) = 1.0100	m ²	17.20		
237	VA20B	Installation of ventilation ducts at a height of up to 3 m from the floor, made of 1.0 mm thick galvanised sheet metal, airtightness class B (EN 12237), including fittings, with a circular cross-sectional diameter of 900 mm Miscellaneous materials (wiping cloths, silicone) = 1.0100	m ²	14.13		
238	bidder's price	Mesh with 15×15 mm apertures in frames	m ²	2.00		
239	bidder's price	Metal for fixing ventilation ducts	kg	89.00		
240	IzH22A application	EI180 fire-resistant coating of ventilation ducts with fire-resistant basalt mineral wool, tufted, density 95–125 kg/m ³ , thickness 50 mm, applied to a layer of special adhesive	m ²	58.00		
241	IzI07D1	Thermal insulation protection for pipes and appliances using 0.5 mm thick galvanised sheet metal, fixed with self-tapping slotted head screws for sheet metal – fabrication	m ²	58.00		
242	IzI07D2	Thermal insulation protection for pipes and appliances using 0.5 mm thick galvanised sheet metal, secured with self-tapping screws with a semi-round slotted head for sheet metal – installation	m ²	58.00		
		<i>Total</i>	lei			
		Total AF1 System Including salary				
		<i>Total</i>	lei			
		Total Smoke extraction system Including salary				
		1.5. Heating system				

1	2	3	4	5	6	7
268	IB06A	Compact steel radiator with profiled surface, monobloc, with side connection, comprising two panels and two rows of convection fins, built-in air vent, fixing elements included, Pmax=10 bar, Tmax=110°C, type FKO 22 (depth 100 mm), H=500 mm, L=800 mm	pcs	34.00		
269	IB06A	Compact steel radiator with profiled surface, monobloc, with side connection, comprising two plates and two rows of convective fins, built-in air vent, fixing elements included, Pmax=10 bar, Tmax=110°C, type FKO 22 (depth 100 mm), H=500 mm, L=900 mm	pcs	13.00		
280	IE01C	Carrying out a pressure leak test on the central heating system, comprising pipes made of steel, copper, polyethylene or polypropylene, with heating elements, heating appliances, fittings, distributors, manifolds and expansion tanks or air vents, with a total surface area of the heating units of 201–500 m ²	m ²	142.60		
281	IE02C	Carrying out expansion-contraction and operational testing of the central heating system, comprising pipes made of steel, copper, polyethylene or polypropylene, with heating units, heating appliances, fittings, distributors, manifolds and air vents or valves, with a total surface area of the heating units of 201–500 m ²	m ²	142.60		
282	IE08C	Flushing the indoor central heating system with drinking water, where the total surface area of the radiators is 201–500 m ²	m ²	142.60		
283	ID06A	Automatic air vent valve for central heating systems, with a nominal diameter of 1/2"	pcs	4.00		
284	ID04A	Full-bore ball valve, Pn40, with drain function, nominal diameter 1/2"	pcs	6.00		
285	ID04A	Full-bore ball valve, Pn40, with drain function, nominal diameter 3/4"	pcs	18.00		
286	ID04A	Full-bore ball valve, Pn40, with drain function, nominal diameter 1"	pcs	22.00		
287	ID04B	Axial compensator, stainless steel bellows, PN10, L=80±40 mm, with connectors for central heating systems, nominal diameter 1 1/4"	pcs	2.00		

1	2	3	4	5	6	7
288	ID09C	Axial expansion joint, stainless steel bellows, PN10, L=80±40 mm, with couplings for central heating systems, DN50	pcs	2.00		
289	ID09D	Axial expansion joint, stainless steel bellows, PN10, L=80±40 mm, with couplings for central heating systems, DN65	pcs	2.00		
290	IC42A	Pipe supports and fixing devices, with a weight of up to 2 kg per piece in accordance with Series 4.903-10, 4th Edition. Fixed pipe supports, type T3 (24 pcs), including anti-corrosion protection	kg	2.48		
291	IC42A	Supports and fasteners for securing pipes, boilers, appliances and containers weighing up to 2 kg pcs	kg	634.00		
292	IC35B	Polyethylene pipe, cross-linked using the peroxide method (RAU-PE-Xa), pink in colour, with an external diameter x wall thickness of 20 x 2.8 mm (K=1.4 for fittings) Labour coefficient = 1.4000 Materials coefficient = 1.4000 Machinery coefficient = 1.4000	m	248.00		
293	IC36B	Polyethylene pipe, cross-linked using the peroxide method (RAU-PE-Xa), pink in colour, with an external diameter x wall thickness of 25 x 3.5 mm (K=1.4 for fittings) Labour coefficient = 1.4000 Materials coefficient = 1.4000 Machinery coefficient = 1.4000	m	24.00		
294	IC36A	Composite pipe, with a PE-Xa (peroxide-crosslinked polyethylene) liner, aluminium layer and an outer polyethylene layer (PE-Xa/Al/PE), with an external diameter x wall thickness of 20 x 2.9 mm (K=1.4 for fittings) Labour coefficient = 1.4000 Material coefficient = 1.4000 Machinery coefficient = 1.4000	m	44.00		
295	IC36B	Composite pipe, with a PE-Xa (peroxide-crosslinked polyethylene) liner, an aluminium layer and an outer polyethylene layer (PE-Xa/Al/PE), with an outer diameter x wall thickness of 25 x 3.7 mm (K=1.4 for fittings) Labour coefficient = 1.4000 Material coefficient = 1.4000 Machinery coefficient = 1.4000	m	30.00		
296	IC36C	Composite pipe, with a PE-Xa (peroxide-crosslinked polyethylene) liner, an aluminium layer and an	m	27.00		

1	2	3	4	5	6	7
		outer polyethylene layer (PE-Xa/Al/PE), with an external diameter x wall thickness of 32 x 4.7 mm (K=1.4 for fittings) Labour coefficient = 1.4000 Material coefficient = 1.4000 Machinery coefficient = 1.4000				
300	IC11E	Steel water and gas pipe EN10217/EN10219, installed by welding in columns, in central heating systems for residential and socio-cultural buildings, with an external diameter x wall thickness of 40 x 3.0 mm (K=1.4 for fittings) Labour coefficient = 1.4000 Materials coefficient = 1.4000 Equipment coefficient = 1.4000	m	34.00		
301	IC12A	Electrofusion-welded steel pipes EN10217/EN10219, installed by column welding in central heating systems for residential and socio-cultural buildings, with an external diameter x wall thickness of 57 x 3.0 mm (K=1.4 for fittings) Labour coefficient = 1.4000 Materials coefficient = 1.4000 Equipment coefficient = 1.4000	m	58.00		
302	IC12C	Electrofusion-welded steel pipes EN10217/EN10219, installed using column welding in central heating systems for residential and socio-cultural buildings, with an external diameter x wall thickness of 76 x 3.5 mm (K=1.4 for fittings) Labour coefficient = 1.4000 Materials coefficient = 1.4000 Machinery coefficient = 1.4000	m	36.00		
303	CN23F	High-quality paintwork on operational installations, applied using two coats of BT-177 alkyd enamel over one coat of GF-021 primer, on pipes with an external diameter of 34 mm and above	m ²	64.36		
304	RpIF09B	Flexible elastomeric rubber thermal insulation fitted to pipes, type K-Flex ST, thermal conductivity ≤ 0.033 W/mK at 0 °C, with an insulation diameter and thickness of D = 22 × 9 mm Miscellaneous materials = 1.0500	m	270.00		
308	RpIF09C	Flexible elastomeric rubber thermal insulation fitted to pipes, type K-Flex ST, thermal conductivity ≤ 0.033 W/mK at 0 °C, with insulation diameter and thickness of D = 35 × 19 mm Miscellaneous materials = 1.0500	m	52.00		

1	2	3	4	5	6	7
309	RpIF09D	Insulation of pipes with a shell of crumbed basalt mineral wool, waterproof, with an outer layer of aluminium foil reinforced with fibreglass mesh, thermal conductivity ≤ 0.033 W/mK at 0 °C, with a pipe diameter and insulation thickness of D=28x50 mm Miscellaneous materials = 1.0500	m	40.00		
310	RpIF09D	Insulation of pipes with a shell of crumbed basalt mineral wool, waterproof, with an outer layer of aluminium foil reinforced with fibreglass mesh, thermal conductivity ≤ 0.033 W/mK at 0 °C, with a pipe diameter and insulation thickness of D=34x50 mm Miscellaneous materials = 1.0500	m	166.00		
311	RpIF09D	Insulation of pipes with a shell of crumbed basalt mineral wool, waterproof, with an outer layer of aluminium foil reinforced with fibreglass mesh, thermal conductivity ≤ 0.033 W/mK at 0 °C, with a pipe diameter and insulation thickness of D=42x50 mm Miscellaneous materials = 1.0500	m	52.00		
312	RpIF09D	Insulation of pipes with a shell of crumbed basalt mineral wool, waterproof, with an outer layer of aluminium foil reinforced with fibreglass mesh, thermal conductivity ≤ 0.033 W/mK at 0 °C, with a pipe diameter and insulation thickness of D = 45 × 50 mm Miscellaneous materials = 1.0500	m	70.00		
313	RpIF09D	Insulation of pipes with a shell of crumbed basalt mineral wool, waterproof, with an outer layer of aluminium foil reinforced with fibreglass mesh, thermal conductivity ≤ 0.033 W/mK at 0 °C, with a pipe diameter and insulation thickness of D = 57 × 50 mm Miscellaneous materials = 1.0500	m	64.00		
314	RpIF09D	Insulation of pipes with a shell of crimped, waterproof basalt mineral wool, externally covered with aluminium foil reinforced with fibreglass mesh, thermal conductivity ≤ 0.033 W/mK at 0 °C, with a pipe diameter and insulation thickness of D=76x50 mm Miscellaneous materials = 1.0500	m	40.00		

1	2	3	4	5	6	7
315	IE03A	Carrying out the pressure leak test on the supply pipes for heating appliances (fan heaters, convector heaters, skirting board convectors, etc.) with a diameter of 3/8" ... 1"	m	334.00		
316	IE03B	Carrying out a pressure leak test on the supply pipes of heating appliances (air heaters, convector heaters, skirting board convectors, etc.) with a diameter of 1 1/4" ... 2"	m	158.00		
317	IE03C	Carrying out a pressure leak test on the supply pipes of heating appliances (air heaters, convector heaters, skirting board convectors, etc.) with a diameter of 54 x 3.5 ... 83 x 3.5 mm	m	94.00		
318	IE04A	Carrying out expansion-contraction and operational tests on supply pipes for heating appliances (air heaters, convector heaters, skirting board convectors, etc.) with a diameter of 3/8" ... 1"	m	334.00		
319	IE04B	Carrying out expansion-contraction and operational tests on the supply pipes for heating appliances (fan heaters, convector heaters, skirting board convectors, etc.) with a diameter of 1 1/4" ... 2"	m	58.00		
320	IE04C	Carrying out expansion-contraction and operational tests on the supply pipes for heating appliances (air heaters, convector heaters, skirting convectors, etc.) with diameters of 54 x 3.5 ... 83 x 3.5 mm	m	94.00		
		<i>Total</i>	lei			
		Total Heating system Including salary				
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and storage costs</i>	%			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total construction works Including wages				
		2. Installation works				
		2.1. Ventilation system				
		2.1.1. R/A system 0.1				

1	2	3	4	5	6	7
321	VC18A	Installation of a special, modulated air-conditioning unit for mixing, filtering, heating, humidification, cooling, post-heating, ventilation, distribution and noise attenuation, with a treated air flow rate of up to 12,000 m ³ /h Miscellaneous materials (water, petrol, cleaning rags, electricity, etc.) = 1.0050	pcs	1.00		
322	F A16 A	Compact liquid-cooling unit comprising a compressor, electric motor, oil separator, condenser, evaporator and accessories, with a cooling capacity of up to 58.15 kW	pcs	1.00		
323	11-06-001-01	Automation system with cooling/heating coil control module	pcs	1.00		
324	08-03-602-1	Electric air heater	pcs	1.00		
		<i>Total</i>	lei			
		Total R/A System 0.1 Including salary				
		2.1.6. System A 0.3				
337	VC06A	Installation of direct-drive radial roof fans, with a flow rate of 4,200–10,000 m ³ /h, fitted with a 1.5 kW electric motor Miscellaneous materials (gaskets, rags, petrol, etc.) = 1.0500	pcs	1.00		
		<i>Total</i>	lei			
		Total System A 0.3 Including salary				
		2.1.7. System A 0.4				
338	VC07A	Installation of axial duct fans with a motor rated at 0.55 kW Small parts and fitting materials (screws, oxygen, carbide, etc.) = 1.0100	pcs	1.00		
339	VB17A	Noise generator, circular with a circumference of 800–1,600 mm	pcs	1.00		
		<i>Total</i>	lei			
		Total System A 0.4 Including salary				
		2.1.8. System A 0.5				
340	VC07A	Installation of axial duct fans with a motor rated at 0.55 kW Small parts and fitting materials (screws, oxygen, carbide, etc.) = 1.0100	pcs	1.00		
341	VB17A	Noise generator, circular with a circumference of 800–1,600 mm	pcs	1.00		
		<i>Total</i>	lei			
		Total System A 0.5 Including salary				
		2.1.11. System A 2.1				

1	2	3	4	5	6	7
345	VC07A	Installation of axial duct fans with motors rated at 0.55 kW Small parts and fitting materials (screws, oxygen, carbide, etc.) = 1.0100	pc	1.00		
346	VB17A	Noise generator, circular with a circumference of 800–1,600 mm	pcs	1.00		
		<i>Total</i>	lei			
		Total System A 2.1 Including salary				
		2.1.12. System A 3.1				
347	VC07A	Installation of axial duct fans with a motor rated at 0.55 kW Small parts and fitting materials (screws, oxygen, carbide, etc.) = 1.0100	pcs	1.00		
348	VB17A	Noise generator, circular with a circumference of 800–1,600 mm	pcs	1.00		
		<i>Total</i>	lei			
		Total System A 3.1 Including salary				
		2.1.17. Systems R/A 1.1 – R/A 1.4, R/A 2.1 – R/A 2.4, R/A 3.1 – R/A 3.9				
355	VC16A	Installation of the partial air treatment unit indoors, comprising suction, filtration, ventilation, heating, cooling and discharge, with a treated air flow rate of up to 7,500 m ³ /h Miscellaneous materials (water, petrol, cleaning rags, electricity, etc.) = 1.0050	pcs	17.00		
356	IA37A	Plastic pump for draining condensate from beneath the split unit, fitted to the existing pipe by screwing	pcs	17.00		
		<i>Total</i>	lei			
		Total R/A 1.1 – R/A 1.4, R/A 2.1 – R/A 2.4, R/A 3.1 – R/A 3.9 systems Including salary				
		2.1.18. R/A 0.1, R/A 1.01–R/A 1.04, R/A 2.01–R/A 2.06				
357	VC07A	Installation of axial and duct fans with a motor rated at 0.55 kW Small parts and fitting materials (screws, oxygen, carbide, etc.) = 1.0100	pcs	11.00		
		<i>Total</i>	lei			
		Total R/A 0.1, R/A 1.01 – R/A 1.04, R/A 2.01 – R/A 2.06 systems Including salary				
		2.1.19. Systems R/A 3.01 – R/A 3.06				
358	VC07A	Installation of axial duct fans with a motor rated at 0.55 kW Small parts and fitting materials (screws, oxygen, carbide, etc.) = 1.0100	pcs	6.00		

1	2	3	4	5	6	7
		<i>Total</i>	lei			
		Total R/A Systems 3.01 – R/A 3.06 Including salary				
		2.1.20. AN 0.1 system				
359	CL20A	Turbo deflector	pcs	1.00		
		<i>Total</i>	lei			
		Total AN System 0.1 Including salary				
		<i>Total</i>	lei			
		Total Ventilation system Including salary				
		2.2. Smoke extraction system				
		2.2.1. AF1 system				
361	VC01E	Installation of a radial fan for smoke extraction systems, with a total weight of 400–4,000 kg, mounted on a concrete foundation Small parts and fitting materials = 1.0050	pcs	1.00		
362	VB15B applicable	Installation of normally open fire damper for ductwork	pcs	2.00		
363	08-03-605-1	Installation of electric actuators for the fire damper	pcs	2.00		
		<i>Total</i>	lei			
		Total AF1 System Including salary				
		2.2.2. RFN1 system				
364	VB15B applicable	Installation of normally open fire damper for ductwork	pcs	1.00		
365	08-03-605-1	Installation of electric actuators for the fire damper	pcs	1.00		
		<i>Total</i>	lei			
		Total RFN1 system Including salary				
		<i>Total</i>	lei			
		Total Smoke extraction system Including wages				
		2.3. Air-conditioning system				
		2.3.1. System C.0.1				
366	VC37B	Installation of domestic air conditioning units (split-system) with a motor power of up to 4.5 kW, using a telescopic boom lift Small parts = 1.0500	pcs	1.00		
		<i>Total</i>	lei			
		Total System C.0.1 Including salary				
		<i>Total</i>	lei			
		Total Air-conditioning system Including salary				

1	2	3	4	5	6	7
		2.4. Heating system				
371	ID01A	Valves for corner radiators, FE, radiator connection R 1/2, system connection G 3/4, normal flow rate, with preset, Kv setting in 8 ranges (0.04 m³/h – 0.73 m³/h), DN 15 (1/2") type RA-N or similar	pcs	32.00		
372	ID01A	Protected shut-off valves, corner type, FE, radiator connection R 1/2, system connection G 3/4 A, Kv 2.5 m³/h, type RLV or similar	pcs	32.00		
373	ID01A	Straight radiator valves, FE, radiator connection R 1/2, system connection G 3/4, normal flow rate, with preset, Kv setting in 8 ranges (0.04 m³/h – 0.73 m³/h), DN 15 (1/2"), type RA-N or similar	pcs	4.00		
374	ID01A	Straight shut-off valves with protection, FE, radiator connection R 1/2, system connection G 1/2, Kv 1.45 m³/h, type RLV-S or similar	pcs	4.00		
375	ID01A	Dynamic valve, H-type, centre-to-centre distance 50 mm, pressure-independent, straight, for a two-pipe system, radiator connection R 1/2, system connection G 3/4, maximum flow rate 159 l/h, type RLV-KDV or similar	pcs	48.00		
376	ID02A	Thermostatic radiator valve, built-in for liquid heating medium, click-fit installation, with frost protection and tamper protection, sensor set temperature 8°C ... 28°C, type Redia or similar	pcs	30.00		
377	11-02-042-02	Valves and dampers with lever-operated actuator: Control valve, standard bore diameter, mm: 15, 20	pcs	8.00		
378	11-02-042-03	Valves and flaps with lever-operated mechanism: Control valve, standard bore diameter, mm: 25, 32	pcs	12.00		
379	11-02-042-02	Valves and flaps with lever-operated mechanism: Automatic balancing valve, nominal bore, mm: 15, 20	pcs	20.00		
380	11-04-008-01	Impulse tube L=1.5 m with O-ring seals, for automatic balancing valve	pcs	20.00		
		<i>Total</i>	lei			
		Total Heating system Including salary				
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and storage costs</i>	%			

1	2	3	4	5	6	7
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total installation work Including wages				
		3. Equipment				
		3.1. Ventilation system				
		3.1.3. R/A system 0.3				
388	bidder's price	Supply and extract ventilation system, Lr=3200 m³/h, Pr=310 Pa, electric motor Nel=2.5 kW, La=3200 m³/h, Pa=310 Pa, electric motor Nel=2.4 kW, service access on the left, comprising the following components: - automation system, dampers on the intake and discharge ducts; - rotary heat exchanger; - EC fans; - freon cooling/heating coil, R410A, 16.10 kW / 16.00 kW; - M5 filters; - silencers on the intake and exhaust ducts; - flexible connections 950 × 650 mm on the intake and exhaust ducts.	set	1.00		
389	bidder's price	Outdoor compressor-condenser unit with R410A refrigerant, 16.10 kW / 16.00 kW (1 kg), supplied as a set with mounting brackets, vibration-isolating supports and a wind protection panel	set	1.00		
390	bidder's price	Automation system with AHUKZ-01D-type cooling/heating coil control module or equivalent	set	1.00		
391	bidder's price	Normally open fire damper for ducts, E180, electrically operated with built-in return spring and 220V, 50Hz thermal cut-out fitted to the outside of the damper, with 72°C fusible link, cross-section 800x300 mm	set	2.00		
		<i>Total</i>	lei			
		Total R/A System 0.3 Including salary				
		3.1.4. System A 0.1				
392	bidder's price	Centrifugal duct fan D=200 mm, fitted with a fire-resistant EC-class motor (class E2), protection rating IPX5, with a thermal overload protection device, speed adjustable via signal, operating characteristics La=400 m³/h, Pa=160 Pa, electric	set	1.00		

1	2	3	4	5	6	7
		motor Nel=0.09 kW (230V) supplied as a set with a speed controller and directional dampers				
393	supplier price	Noise attenuator, circular D=200 mm x L=300 mm	pcs	1.00		
		<i>Total</i>	lei			
		Total System A 0.1 Including salary				
		3.1.17. Systems R/A 1.1 – R/A 1.4, R/A 2.1 – R/A 2.4, R/A 3.1 – R/A 3.9				
414	bidder's price	Horizontally mounted discharge-suction system, Lr=500 m³/h, La=500 m³/h, electric motor Nel=0.476 kW (230V, 50Hz), comprising the following components: - automation system (with air sensors for supply and extraction) and LED control panel for the system, dampers on the extraction and supply ducts; - static heat recovery unit with counter-flow polystyrene coils, thermal efficiency over 85%; - EC 'Plenum Fan' type fans; - 1.50 kW electric heater; - F7 / G4 filters; - noise level emitted by the system: 37 dB; - adjustable grille.	set	8.00		
415	bidder's price	Horizontally mounted supply and extract system, Lr=340 m³/h, La=340 m³/h, electric motor Nel=0.196 kW (230 V, 50 Hz), comprising the following components: - automation system (with air sensors for supply and extraction) and LED control panel for the system, dampers on the extraction and supply ducts; - static heat recovery unit with counter-flow polystyrene coils, thermal efficiency over 85%; - 'Plenum Fan' type EC fans; - 1.00 kW electric heater; - F7 / G4 filters; - noise level emitted by the system: 37 dB; - adjustable grille.	set	2.00		
416	bidder's price	Plastic pump for draining condensate from beneath the split unit, dimensions 225x70x60 mm, pumping capacity – 11 l/h, IP20, 19W, 230V, 50Hz	set	17.00		
		<i>Total</i>	lei			
		Total R/A 1.1 – R/A 1.4, R/A 2.1 – R/A 2.4, R/A 3.1 – R/A 3.9 systems				

1	2	3	4	5	6	7
		Including salary				
		3.1.20. AN 0.1 system				
419	supplier price	Stainless steel turbo deflector D=200 mm	pcs	1.00		
		<i>Total</i>	lei			
		Total AN 0.1 System Including salary				
		<i>Total</i>	lei			
		Total PA1 System Including salary				
		<i>Total</i>	lei			
		Total Ventilation system Including salary				
		3.2. Smoke extraction system				
		3.2.1. AF1 system				
421	bidder's price	Radial fan for smoke extraction systems with a rotor diameter of 900 mm, fire resistance (F400), design – general industrial (N), rotation – left-hand (L), housing position at 0°, rotor – with backward-curved blades, fitted with a single-speed three-phase asynchronous motor, with the option of variable speed control, motor protection class IP54, supplied with vibration isolators with a maximum load on the set of 405 kg (4 pcs) and a variable frequency drive, operating characteristics: La=22,500 m³/h, Pa=850 Pa, electric motor Nel=7.50 kW, 1,500 rpm, 380 V, 50 Hz	set	1.00		
422	bidder's price	Normally open fire damper for ducts, E180, electrically operated with built-in return spring and 220V, 50Hz thermal cut-out fitted to the outside of the damper, with 72°C fusible link, cross-section 800x300 mm	set	2.00		
		<i>Total</i>	lei			
		Total AF1 System Including salary				
		3.2.2. RFN1 system				
423	bidder's price	Normally open fire damper for ductwork, E180, electrically operated with built-in return spring and 220V, 50Hz thermal cut-out device fitted to the outside of the damper, with 72°C fusible link, cross-section 1200x300 mm	set	1.00		
		<i>Total</i>	lei			
		Total RFN1 system				

1	2	3	4	5	6	7
		Including salary				
		<i>Total</i>	lei			
		Total Smoke extraction system Including wages				
		3.3. Air-conditioning system 3.3.1. System C.0.1				
424	bidder's price	Split-type ceiling-mounted air conditioner for the kitchen, comprising an outdoor unit and a stainless steel indoor unit fitted with oil filters, dimensions 1136x650x280 mm, supplied with a remote control, with the following operating characteristics - Qc=7.6 kW, Qf=7.1 kW, Ne=3.1 kW, 230 V, 50 Hz	set	1.00		
		<i>Total</i>	lei			
		Total for System C.0.1 Including salary				
		<i>Total</i>	lei			
		Total Air-conditioning system Including salary				
		3.4. Heating system				
429	bidder's price	Valves for corner radiators, FE, radiator connection R 1/2, system connection G 3/4, normal flow rate, with preset, Kv setting in 8 ranges (0.04 m³/h – 0.73 m³/h), DN 15 (1/2") type RA-N or similar	pcs	32.00		
430	bidder's price	Protected shut-off valves, corner type, FE, radiator connection R 1/2, system connection G 3/4 A, Kv 2.5 m³/h, type RLV or similar	pcs	32.00		
431	bidder's price	Straight radiator valves, FE, radiator connection R 1/2, system connection G 3/4, normal flow rate, with preset, Kv setting in 8 ranges (0.04 m³/h – 0.73 m³/h), DN 15 (1/2"), type RA-N or similar	pcs	4.00		
432	bidder's price	Straight shut-off valves with protection, FE, radiator connection R 1/2, system connection G 1/2, Kv 1.45 m³/h, type RLV-S or similar	pcs	4.00		
433	bidder's price	Dynamic valve, H-type, centre-to-centre distance 50 mm, pressure-independent, straight, for a two-pipe system, radiator connection R 1/2, system connection G 3/4, maximum flow rate 159 l/h, type RLV-KDV or similar	pcs	4.00		
434	bidder's price	Thermostatic radiator valve, built-in for liquid heating medium, click-fit	pcs	32.00		

1	2	3	4	5	6	7
		installation, with frost protection and tamper protection, sensor set temperature 8°C ... 28°C, type Redia or similar				
435	bidder's price	ASV-I type DN 15 flow control valve fitted to the supply pipe, internal thread, Kv=1.60 m³/h	pcs	4.00		
436	bidder's price	ASV-I type control valve fitted to the flow pipe, DN 20, internal thread, Kv=2.50 m³/h	pcs	4.00		
437	bidder's price	ASV-I type control valve fitted to the flow pipe, DN 25, internal thread, Kv=4.00 m³/h	pcs	5.00		
438	bidder's price	ASV-PV type automatic balancing valve, DN 15, differential pressure setting 5–25 kPa, internal thread, without insulation	pcs	6.00		
439	bidder's price	ASV-PV type automatic balancing valve, DN 20, differential pressure setting 5–25 kPa, internal thread, without insulation	pcs	1.00		
440	bidder's price	Impulse tube L=1.5 m with O-ring seals, for automatic balancing valve	pcs	20.00		
		<i>Total</i>	lei			
		Total Heating system Including salary				
		<i>Total</i>	lei			
		<i>Procurement and storage costs</i>	%			
		Total machinery Including wages				
		4. Adjustment and start-up work 4.1. Ventilation system				
441	03-01-002-01	Axial fan with mains connection, installed in the air duct, in the intake shaft, in a void or on the roof, No.: 4–8	1 device	1.00		
442	03-01-011-10	Control and shut-off device: manually or electrically operated shut-off valve – Inlet dampers	1 device	1.00		
443	03-01-005-01	Recuperative heat exchanger	1 device	1.00		
444	03-01-004-02	Heat exchanger – Outdoor compressor-condenser unit	pcs	1.00		
445	03-01-004-01	Heat exchanger – Electric air heater	pcs	1.00		
446	03-01-011-06	Control and shut-off device: fire damper	1 device	1.00		
447	03-01-011-03	Control and shut-off device: air consumption regulator – Air flow control damper	1 device	1.00		

1	2	3	4	5	6	7
448	03-01-022-01	Ventilation and air conditioning system network, up to 5 sections	1 ventilation net.	1.00		
449	03-01-022-02	Ventilation and air-conditioning system network, number of sections up to 10	1 ventilation net.	1.00		
		<i>Total</i>	lei			
		Total ventilation system Including wages				
		4.2. Smoke extraction system				
450	03-01-051-01	Smoke extraction system, number of storeys served up to 6	1 system	1.00		
451	03-01-050-01	Overpressure system in stairwells and lift shafts, number of storeys served: up to 6	1 system	1.00		
		<i>Total</i>	lei			
		Total Smoke extraction system Including wages				
		4.3. Air-conditioning systems				
452	03-01-070-01	Local stand-alone cabinet-type air conditioning unit with built-in refrigeration unit, nominal air flow rate over 1,000 m³/h: up to 3,500 m³/h, number of air conditioning units of the same type in the machine room (room): 1	pcs	1.00		
		<i>Total</i>	lei			
		Total Air conditioning systems Including salary				
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total commissioning and start-up works Including wages				
		<i>Total</i>	lei			
		Total estimate: Including wages				

Prepared by

(position, signature, surname, first name)

Verified

(position, signature, surname, first name)

**Major renovation of the building and
modernisation of the 'Ion Creanga' Secondary
School in Falesti, cadastral number
4301220.066, as part of the EU/UNDP
Moldova Project 'Improving Quality
Education and Opportunities'**

(name of the project)

LOCAL QUOTATION No. 2-1-4

Power electrical equipment / Indoor electrical lighting (0029/25-1-EEF/IEI)

Prepared at current prices:

No. No.	Standard symbol and resource code	Works and expenses	Unit of measureme nt	Quantity as per project data	Estimated value, lei	
					Per unit of measure incl. wages	Total incl. salary
1	2	3	4	5	6	7
		1. Construction works				
1	RpEJ08A	Excavation of trenches up to 5 cm deep in walls of 5x50 cm brickwork	m	930.00		
2	RpEJ09D	Filling of grooves in walls up to 50 square metres	m	930.00		
3	RpEJ08D	Cutting grooves up to 5 cm deep in 5x100 square metre brickwork walls	m	52.00		
4	RpEJ09E	Filling of grooves in walls between 50 and 100 cm ²	m	52.00		
5	IzD09A application	Marking the panels with paint using a stencil in accordance with the markings in the project	pcs	2.00		
6	IC43B	Fabrication and fitting of protective conduit where pipes pass through floors; the conduit has a diameter of 63.5 x 3.0 mm, L = 0.25 m	pcs	10.00		
7	IC43B	Fabrication and installation of protective conduit for pipes passing through floors, with a diameter of 63.5 x 3.0 mm, L = 0.50 m	pcs	7.00		
8	IC44A	Fabrication, fitting and cementing of protective sleeves where pipes pass through walls; the sleeve has a diameter of 40 x 2.5 mm, L = 0.25 m	pcs	8.00		
9	IC44A	Fabrication, installation and grouting of the protective sleeve where pipes pass through walls; the sleeve has a diameter of 34x3.0 mm, L=0.25 m	pcs	38.00		
10	IC44A	Fabrication, installation and grouting of the protective sleeve where pipes pass through walls; the sleeve has a diameter of 34x3.0 mm, L=0.5 m	pcs	2.00		

1	2	3	4	5	6	7
11	IC44A	Fabrication, installation and grouting of the protective sleeve where pipes pass through walls; the sleeve has a diameter of 25x2.5 mm, L=0.25 m	pcs	21.00		
12	IC44A	Fabrication, installation and grouting of the protective sleeve where pipes pass through walls; the sleeve has a diameter of 20x2.0 mm, L=0.25 m	pcs	12.00		
13	IC44A	Fabrication, installation and grouting of the protective sleeve where pipes pass through walls; the sleeve has a diameter of 20x2.0 mm, L=0.50 m	pcs	5.00		
14	TsA02B	Earthworks. Manual excavation in confined spaces, less than 1.00 m wide, carried out without shoring, with a vertical slope, for channels, in non-cohesive or weakly cohesive soil, depth < 0.75 m, medium-grade soil	m ³	6.30		
15	TsD18B	Backfilling. Compacted backfill in trenches for buried cables of high-voltage power lines, carried out using soil from medium-grade ground	m ³	6.30		
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and storage costs</i>	%			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total construction works Including wages				
		2. Installation works 2.1. Distribution boards and accessories				
16	08-01-102-1	Control and regulation cabinet (1, 2 – AVR)	pcs	2.00		
17	08-03-526-3 fitted	ABP controller with RS85 communication interface (1, 2 – AVR)	pcs	2.00		
18	08-03-522-28	Panel-mounted switch with operating mechanism, fitted to a metal bracket, three-pole, current up to 250 A – Motorised load break switch with changeover (1 – AVR)	pcs	1.00		
19	10-01-001-13 fitted	Miscellaneous accessories fitted in the switchboard - Terminal cover (1 - AVR)	pcs	1.00		
20	10-01-001-13 fitted	Various accessories mounted in the panel - Connecting bridge (1 - AVR)	pcs	3.00		

1	2	3	4	5	6	7
21	08-01-081-1	Auxiliary contacts (1 - AVR)	pcs	1.00		
22	08-03-522-29	Panel-mounted switch with operating mechanism, mounted on a metal bracket, three-pole, current up to 400 A – Moulded-case circuit breaker, size H, 4P (4P, K=1.33) Labour coefficient = 1.3300 Materials factor = 1.3300 Equipment factor = 1.3300	pcs	2.00		
23	08-01-080-2	Miniature circuit breakers (MCB) 3P (1-AVR)	pcs	9.00		
24	08-01-053-1	Current transformer, voltage up to 10 kV (1- AVR)	pcs	3.00		
25	08-03-600-2	Meters, mounted on a prepared bracket, three-phase (1, 2 - AVR)	pcs	2.00		
26	10-08-001-10	Reception and control devices - Equipment for remote data transmission (2 – AVR)	pcs	1.00		
27	08-03-522-28	Panel-mounted switch with operating mechanism, fitted to a metal bracket, three-pole, current up to 250 A – Motorised load break switch with switching function (2 - AVR)	pcs	1.00		
28	10-01-001-13 fitted	Miscellaneous accessories fitted in the switchboard - Connection bridge (2 - AVR)	pcs	1.00		
29	10-01-001-13 fitted	Miscellaneous accessories mounted in the panel - Terminal cover (2 - AVR)	pcs	1.00		
30	08-01-080-2	Miniature circuit breakers (MCB) 3P (2-AVR)	pcs	4.00		
31	08-01-080-2	Miniature circuit breakers (MCB) 2P (2-AVR)	pcs	3.00		
32	08-01-080-1	Miniature circuit breakers (MCB) 1P (2-AVR)	pcs	2.00		
33	08-03-572-4	Control unit, cabinet-type or distribution point (cabinet), wall-mounted, height and width, mm, up to 1200×1000 (ShSV-0.1)	pcs	1.00		
34	08-01-080-2	Miniature circuit breakers (MCBs) 3P	pcs	10.00		
35	08-01-080-2	Miniature circuit breakers (MCB) 2P	pcs	1.00		
36	08-01-080-1	Miniature circuit breakers (MCB) 1P	pcs	12.00		
37	08-03-529-1	DC contactor up to 160 A	pcs	12.00		
38	08-03-572-8	Control unit for cabinet-type or distribution point (cabinet) installation, recessed, height and width, mm, up to 700×850 (ShSV-1, ShSV-2, ShSV-3)	pcs	3.00		

1	2	3	4	5	6	7
39	08-01-080-2	Miniature circuit breakers (MCBs) 3P	pcs	7.00		
40	08-01-080-2	Miniature circuit breakers (MCB) 2P	pcs	3.00		
41	08-01-080-1	Miniature circuit breakers (MCB) 1P	pcs	42.00		
42	08-03-529-1	DC contactor up to 160 A	pcs	8.00		
		<i>Total</i>	lei			
		Total distribution boards and accessories Including wages				
		2.2. Cables and cable-laying systems				
104	08-02-409-1	Vinyl-plastic conduit on existing structures, on walls and columns, secured with clamps, diameter up to 25 mm	100 m	23.85		
105		Flexible spiral U-PVC pipe with self-extinguishing properties (does not propagate flame), with probe, 750N, d=20 mm	m	1,434.00		
106		Flexible spiral U-PVC pipe with self-extinguishing properties (does not propagate flame), with probe, 750N, UV-resistant, d=20 mm	m	24.00		
107		Flexible spiral U-PVC pipe with self-extinguishing properties (does not propagate flame), with probe, 750N, d=25 mm	m	95.00		
108		Flexible spiral U-PVC pipe with self-extinguishing properties (does not propagate flame), with probe, 750N, UV-resistant, d=25 mm	m	16.00		
109	08-02-409-2	Vinylplast pipe for installation on structures, walls and columns, secured with clamps, diameter up to 50 mm	100 m	2.51		
110		Flexible spiral U-PVC pipe with self-extinguishing properties (does not propagate flame), with probe, 750N, d=32 mm	m	182.00		
111		Flexible spiral U-PVC pipe with self-extinguishing properties (does not propagate flame), with probe, 750N, d=40 mm	m	32.00		
112		Flexible spiral U-PVC pipe with self-extinguishing properties (does not propagate flame), with probe, 750N, UV-resistant, d=40 mm	m	2.00		
113	08-02-409-3	Vinylplast pipe for installation on structures, walls and columns,	100 m	0.25		

1	2	3	4	5	6	7
		secured with clamps, diameter up to 63 mm				
114		Flexible spiral U-PVC pipe with self-extinguishing properties (does not propagate flame), with probe, 750N, d=63 mm	m	25.00		
115	08-02-148-1	Cable up to 35 kV in conduits, blocks and installed boxes, weight per 1 m up to: 1 kg	100 m	9.73		
116	08-02-146-2	Cable up to 35 kV, secured with clamps, weight per 1 m up to: 1 kg	100 m	5.63		
117	supplier price	Single-core conductor with a polyvinyl chloride (PVC) insulating layer, type NYY-J, yellow-green colour, cross-section 1x6.0 mm ²	linear metre	5.00		
118	supplier price	Copper cables with halogen-free, extruded solid dielectric insulation, low smoke emission and ‘ ’ with increased flame propagation delay, for voltages of 0.6/1.0 kV, complying with the requirements of DIN VDE 0276-604:2008-02; HD 604 S1+A1+A2+A3 :2005, IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034-2, type N2XH-J, cross-section 2x1.5 mm ²	m.l.	49.00		
119	supplier price	Copper cables with halogen-free, extruded solid dielectric insulation, low smoke emission and increased flame propagation delay, for voltages of 0.6/1.0 kV, meeting the requirements of DIN VDE 0276-604 :2008-02; HD 604 S1+A1+A2+A3 :2005, IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034-2, type N2XH-J, cross-section 3x1.5 mm ²	linear metre	454.00		
120	supplier price	Copper cables with halogen-free, extruded solid dielectric insulation, low smoke emission and increased flame propagation delay, for voltages of 0.6/1.0 kV, complying with the requirements of DIN VDE 0276-604 :2008-02; HD 604 S1+A1+A2+A3:2005, IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034-2, type N2XH-J, cross-section 3 × 2.5 mm ²	linear metre	590.00		
121	supplier price	Copper cables with halogen-free, extruded solid dielectric insulation, low smoke emission and increased flame propagation delay, for voltages of 0.6/1.0 kV, complying with the	linear metre	215.00		

1	2	3	4	5	6	7
		requirements of DIN VDE 0276-604 :2008-02; HD 604 S1+A1+A2+A3:2005, IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034-2, type N2XH-J, cross-section $3 \times 4.0 \text{ mm}^2$				
122	supplier price	Copper cables with halogen-free, extruded solid dielectric insulation, low smoke emission and increased flame propagation delay, for voltages of 0.6/1.0 kV, complying with the requirements of DIN VDE 0276-604 :2008-02; HD 604 S1+A1+A2+A3:2005, IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034-2, type N2XH-J, cross-section $4 \times 1.5 \text{ mm}^2$	linear metre	19.00		
123	supplier price	Copper cables with halogen-free, extruded solid dielectric insulation, low smoke emission and increased flame propagation delay, for voltages of 0.6/1.0 kV, complying with the requirements of DIN VDE 0276-604 :2008-02; HD 604 S1+A1+A2+A3:2005, IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034-2, type N2XH-J, cross-section $5 \times 2.5 \text{ mm}^2$	linear metre	269.00		
124	supplier price	Copper cables with halogen-free, extruded solid dielectric insulation, low smoke emission and increased flame propagation delay, for voltages of 0.6/1.0 kV, complying with the requirements of DIN VDE 0276-604:2008-02; HD 604 S1+A1+A2+A3:2005, IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034-2, type N2XH-J, cross-section $5 \times 4.0 \text{ mm}^2$	linear metre	202.00		
125	supplier price	Copper cables with halogen-free, extruded solid dielectric insulation, low smoke emission and increased flame propagation delay, for voltages of 0.6/1.0 kV, complying with the requirements of DIN VDE 0276-604:2008-02; HD 604 S1+A1+A2+A3 :2005, IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034-2, type N2XH-J, cross-section $5 \times 6.0 \text{ mm}^2$	linear metre	54.00		
126	supplier price	Copper cables that do not propagate flame, with low smoke and gas emission, low toxicity when burning,	linear metre	242.00		

1	2	3	4	5	6	7
		maintaining operational capability for 180 minutes at a minimum temperature of 750°C, for voltages of 0.6/1.0 kV, meeting the requirements of DIN VDE 0266, DIN VDE 0276-604, IEC 60332-3 Cat. C, DIN VDE 0472-814, DIN 4102 Part 12, Unom = 0.66 kV, type (N)HXXH-JE90/FE180, cross-section 3 × 1.5 mm ²				
127	supplier price	Copper cables that do not propagate flame, with low smoke and gas emission, low toxicity when burning, maintaining operational capability for 180 minutes at a minimum temperature of 750°C, for voltages of 0.6/1.0 kV, meeting the requirements of DIN VDE 0266, DIN VDE 0276-604, IEC 60332-3 Cat. C, DIN VDE 0472-814, DIN 4102 Part 12, Unom = 0.66 kV, type (N)HXXH-JE90/FE180, cross-section 3 × 4.0 mm ²	linear metre	6.00		
128	supplier price	Copper cables that do not propagate flame, with low smoke and gas emission, low toxicity when burning, maintaining operational capability for 180 minutes at a temperature of at least 750°C, for voltages of 0.6/1.0 kV, meeting the requirements of DIN VDE 0266, DIN VDE 0276-604, IEC 60332-3 Cat. C, DIN VDE 0472-814, DIN 4102 Part 12, Unom = 0.66 kV, type ‘ ’ (N)HXXH-JE90/FE180, cross-section 5 × 2.5 mm ²	linear metre	21.00		
129	supplier price	Copper cables that do not propagate flame, with low smoke and gas emission, low toxicity when burning, maintaining operational capability for 180 minutes at a minimum temperature of 750°C, for voltages of 0.6/1.0 kV, meeting the requirements of DIN VDE 0266, DIN VDE 0276-604, IEC 60332-3 Cat. C, DIN VDE 0472-814, DIN 4102 Part 12, Unom = 0.66 kV, type (N)HXXH-JE90/FE180, cross-section 5 × 4.0 mm ²	linear metre	28.00		
130	08-02-148-2	Cable up to 35 kV in conduits, blocks and installed boxes, weight per 1 m up to: 2 kg	100 m	0.69		
131	08-02-146-3	Cable up to 35 kV, secured with clamps, weight per 1 m up to: 2 kg	100 m	0.13		

1	2	3	4	5	6	7
132	supplier price	Copper cables with halogen-free, extruded solid dielectric insulation, low smoke emission and increased flame propagation delay, for voltages of 0.6/1.0 kV, complying with the requirements of DIN VDE 0276-604:2008-02; HD 604 S1+A1+A2+A3 :2005, IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034-2, type N2XH-J, cross-section 5x16 mm ²	linear metre	82.00		
133	08-02-148-3	Cable up to 35 kV in conduits, blocks and installed boxes, weight per 1 m up to: 3 kg	100 m	0.50		
134	08-02-146-4	Cable up to 35 kV, secured with clamps, weight per 1 m up to: 3 kg	100 m	0.17		
135	supplier price	Copper cables with halogen-free, extruded solid dielectric insulation, low smoke emission and increased flame propagation delay, for voltages of 0.6/1.0 kV, complying with the requirements of DIN VDE 0276-604:2008-02; HD 604 S1+A1+A2+A3 :2005, IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034-2, type N2XH-J, cross-section 5x50 mm ²	linear metre	67.00		
136	08-02-405-1	Installation of self-regulating heating cable	100 m	1.13		
137	supplier price	Self-regulating heating cable, with 1.20 mm ² copper conductor, modified polyolefin insulation, aluminium foil sheath, tinned copper protective braid and modified polyolefin outer sheath, Un=230 V AC, linear heating power – 30 W/m at 10 °C in air	linear metre	113.00		
138	supplier price	Double-sided adhesive tape, 38 mm wide	m	50.00		
139	08-02-144-2	Connecting wires or cables to terminals, cross-section up to : 6 mm ²	100 pcs	2.04		
140	supplier price	Tinned copper cable lug with a nominal cross-section of 6 mm ²	pcs	30.00		
141	supplier price	Copper pin-type terminal with a nominal cross-section of 4 mm ²	pcs	174.00		
142	08-02-144-3	Connection of conductor wires or cables to terminals, cross-section up to: 16 mm ²	100 pcs	0.20		
143	supplier price	Tinned copper cable lug with a nominal cross-section of 16 mm ²	pcs	20.00		

1	2	3	4	5	6	7
144	08-02-144-5	Connecting conductor wires or cables to terminals, cross-section up to: 70 mm ²	100 pcs	0.40		
145	supplier price	Tinned copper cable lug with a nominal cross-section of 50 mm ²	pcs	40.00		
146	08-02-411-4	Flexible connector, outer diameter of metal hose up to 27 mm, IP54	pcs	4.00		
147	08-02-411-5	Flexible connection, outer diameter of metal hose up to 48 mm, IP54	pcs	8.00		
148	08-02-411-6	Flexible connection, outer diameter of metal hose up to 60 mm, IP54	pcs	1.00		
149	08-03-592-1	Distribution box with terminals	100 pcs	2.50		
		<i>Total</i>	lei			
		Total Cables and cable-laying systems Including wages				
		2.3. Electrical installation items				
150	08-03-591-2	Single-pole switch, flush-mounted type, for concealed installation, including junction box for fitting appliances	100 pcs	,13		
151	supplier price	Single-pole switch, flush-mounted, IP20, 10A, 250 V, colour – matt graphite	pcs	10.00		
152	supplier price	Single-pole switch, flush-mounted, IP54, 10A, 250 V, colour – matt graphite	pcs	3.00		
153	08-03-591-5	Double-pole switch, flush-mounted, for flush-mounted installation, including junction box for fitting devices	100 pcs	0.13		
154	supplier price	2-pole switch, flush-mounted, IP20, 10A, 250 V, colour – matt graphite	pcs	7.00		
155	supplier price	3-pole switch, flush-mounted, IP20, 10A, 250 V, colour – matt graphite	pcs	6.00		
156	08-03-591-7	Flush-mounted switch, for flush-mounted installation, including junction box for fitting devices	100 pcs	0.11		
157	supplier price	Staircase switch with 1 pole, illuminated, flush-mounted, IP20, 10A, 250 V, colour – matt graphite	pcs	8.00		
158	supplier price	Staircase switch with 1 pole, illuminated, flush-mounted, IP44, 10A, 250 V, colour – matt graphite	pcs	3.00		
159	08-03-591-9	Flush-mounted socket, for flush-mounted installation, including junction box for fitting appliances	100 pcs	1.03		
160	supplier price	Flush-mounted socket, with earth connection, 2P+N, IP20, 16A, 250 V, colour – matt graphite	pcs	85.00		

1	2	3	4	5	6	7
161	supplier price	Flush-mounted socket, earthed, 2P+N, IP54, 16A, 250 V, colour – matt graphite	pcs	9.00		
162	supplier price	1M horizontal frame, colour – matt graphite	set	28.00		
163	supplier price	2M horizontal frame, colour – matt graphite	set	18.00		
164	supplier price	3M horizontal frame, colour – matt graphite	set	26.00		
165	supplier price	4M horizontal frame, colour – matt graphite	set	18.00		
		<i>Total</i>	lei			
		Total Electrical installation items Including wages				
		2.4. Lighting equipment				
166	08-03-594-1	Lighting fixture with integrated LED module and power supply unit, surface-mounted	100 pcs	0.97		
167	08-03-593-10	Emergency luminaire with integrated LED module, surface-mounted	100 pcs	0.08		
168	08-03-594-6	Lighting fixture with integrated LED module and power supply unit, for suspended installation	100 pcs	0.08		
169	08-03-605-1	Programmable wall-mounted bactericidal recirculator	pcs	2.00		
		<i>Total</i>	lei			
		Total Lighting equipment Including salary				
		2.5. Grounding				
170	08-02-152-3	Metal cable structures: welded construction	t	0.05		
171	08-02-409-1	Vinyl-plastic conduit on existing structures, on walls and columns, secured with clamps, diameter up to 25 mm	100 m	0.89		
172		Flexible spiral U-PVC pipe with self-extinguishing properties (does not propagate flame), with probe, 750N, d=16 mm	m	65.00		
173		Flexible spiral U-PVC pipe with self-extinguishing properties (does not propagate flame), with probe, 750N, d=25 mm	m	24.00		
174	08-02-148-1	Cable up to 35 kV in conduits, blocks and installed boxes, weight per 1 m up to: 1 kg	100 m	0.89		
175	08-02-146-2	Cable up to 35 kV, secured with clamps, weight per 1 m up to: 1 kg	100 m	0.15		
176	supplier price	Single-core conductor with a polyvinyl chloride (PVC) insulating	linear metre	73.00		

1	2	3	4	5	6	7
		layer, type NYY-J, yellow-green colour, cross-secti , 1x6.0 mm ²				
177	supplier price	Single-core conductor with a polyvinyl chloride (PVC) insulating layer, type NYY-J, yellow-green, cross-section 1x10 mm ²	linear metre	31.00		
178	08-03-592-1	Potential equalisation box	100 pcs	0.02		
179	08-02-144-2	Connection of wires or cables to terminals, cross-section up to: 6 mm ²	100 pcs	0.20		
180	supplier price	Tinned copper cable lug with a nominal cross-section of 6 mm ²	pcs	20.00		
181	08-02-144-3	Connection of conductor wires or cables to terminals, cross-section up to: 16 mm ²	100 pcs	0.04		
182	supplier price	Tinned copper cable lug with a nominal cross-section of 10 mm ²	pcs	4.00		
183	08-01-068-1	Prefabricated busbars – single-phase: copper or aluminium busbar, cross-section up to 250 mm ²	100 m	0.006		
184	08-02-471-4 applied	Earth electrode, vertical, made of round steel, diameter 20 mm, L=3.0 m	10 pcs	0.60		
185	08-02-472-2	Earth connection conductors: horizontal earth electrode, made of split steel, cross-section 160 mm ²	100 m	0.33		
		<i>Total</i>	lei			
		Total Land Including salary				
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and storage costs</i>	%			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total installation work Including wages				
		3. Plant 3.1. Distribution boards and accessories				
186	supplier price	Metal surface-mounted distribution board, IP54, AVR type or similar in terms of specifications, fitted with a padlock and DIN, N and PE busbars (1, 2 – AVR)	pcs	2.00		
187	supplier price	ABP controller with RS85 communication interface, U - 230 V, with a voltage measurement range of	pcs	2.00		

1	2	3	4	5	6	7
		50 V – 520 V and a frequency measurement range of 45 Hz – 65 Hz, ATSC25 type or similar in terms of specifications (1, 2 – AVR)				
188	supplier price	Motorised load switch with changeover, Umax – 690 VAC, 3P, In=400 A, Ucontrol – 230 VAC, manufactured by , type MLBS 400 3P CO 230VAC or similar in terms of specifications (1 – AVR)	pcs	1.00		
189	supplier price	LBS-TS250 3P (CO) terminal cover or equivalent in terms of specifications (1 – AVR)	pcs	1.00		
190	supplier price	LBS-BR630 1P CO junction box or equivalent based on specifications (1 - AVR)	pcs	3.00		
191	supplier price	Auxiliary contacts, type MLBS-PS11 or similar according to specifications (1 - AVR)	pcs	1.00		
192	supplier price	Moulded-case circuit breaker, size H, 4P, with electronic trip, Icu = 50 kA (400 V, 50 Hz), In = 400 A, Un = 400 / 690 V, IP20 (1 - AVR)	pcs	2.00		
193	Supplier price	Current transformer In/Is = 400 A / 5 A, accuracy class -0.5S, 660 V, 50 Hz, IP20 (1 - AVR)	pcs	3.00		
194	supplier price	Electronic multi-tariff meter with in-circuit connection via current transformers, designed for electricity metering, with the following characteristics: accuracy class for active energy – 0.55s, accuracy class for reactive energy – 2.0s, Unom = 3 × 240/380 V, I = 5(10) A, 50/60 Hz (1 - AVR)	pcs	1.00		
195	supplier price	3-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 15.0 kA, Uimp = 6.0 kV, In = 125 A, Un = 400 V, 50 Hz, IP40 (1 - AVR)	pcs	2.00		
196	supplier price	3-pole circuit breaker, current curve: C, breaking capacity according to EN 60898: 6.0 kA, In=63 A, Un= 400 V, 50 Hz, IP20 (1 - AVR)	pcs	1.00		
197	supplier price	3-pole circuit breaker, current curve: C, breaking capacity according to EN 60898: 6.0 kA, In=40 A, Un= 400 V, 50 Hz, IP20 (1 - AVR)	pcs	1.00		
198	supplier price	3-pole circuit breaker, current curve: C, breaking capacity according to EN 60898: 6.0 kA, In=32 A, Un= 400 V, 50 Hz, IP20 (1 - AVR)	pcs	2.00		

1	2	3	4	5	6	7
199	supplier price	3-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 6.0 kA, In=25 A, Un= 400 V, 50 Hz, IP20 (1 - AVR)	pcs	3.00		
200	supplier price	Motorised load switch with changeover, ETIM classification - EC000216, Umax - 690 VAC, 4P, In=63 A, Ucontrol - 230 VAC, type MLBS 63 4P CO 230VAC or similar in terms of specifications (2 - AVR)	pcs	1.00		
201	supplier price	MLBS-BR125 4P CO connection bridge or equivalent based on specifications (2 - AVR)	pcs	1.00		
202	supplier price	MLBS-TSIN 4P CO terminal cover or equivalent based on specifications (2 - AVR)	pcs	1.00		
203	supplier price	3P circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=32 A, Un= 400 V, 50 Hz, IP20 (2 - AVR)	pcs	2.00		
204	supplier price	3-pole circuit breaker, current curve: C, breaking capacity according to EN 60898: 4.5 kA, In=20 A, Un= 400 V, 50 Hz, IP20 (2 - AVR)	pcs	1.00		
205	supplier price	3-pole circuit breaker, current curve: C, breaking capacity according to EN 60898: 4.5 kA, In=16 A, Un= 400 V, 50 Hz, IP20 (2 - AVR)	pcs	1.00		
206	supplier price	1-pole circuit breaker, current curve: C, breaking capacity according to EN 60898: 4.5 kA, In=16 A, Un= 230/400 V, 50 Hz, IP20 (2 - AVR)	pcs	2.00		
207	supplier price	2-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=6 A, Un= 400 V, 50 Hz, IP20 (2 - AVR)	pcs	3.00		
208	supplier price	Direct-wired multi-tariff electronic meter, designed for electricity metering, with the following characteristics: accuracy class for active energy – 1.0s, accuracy class for reactive energy – 2.0s, Unom=3x240/380 V, I= 5(60) A, 50/60 Hz with M-Bus and RS485 interfaces (2 - AVR)	pcs	1.00		
209	bidder's price	GSM/GPRS communications module with RJ45 connector for Zxx 4xx-type meters with omnidirectional LTE antenna (2 - AVR)	set	1.00		
210	supplier price	Metal surface-mounted distribution board, with a capacity of 84 modules, IP31, dimensions 1085 x 310 x 140	pcs	1.00		

1	2	3	4	5	6	7
		mm, fitted with a padlock and DIN, N and PE rails (ShSV-0.1)				
211	supplier price	3-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 15.0 kA, Uimp = 6.0 kV, In = 125 A, Un = 400 V, 50 Hz, IP40	pcs	1.00		
212	supplier price	3-pole circuit breaker, current curve: C, breaking capacity according to EN 60898: 10 kA, In=80 A, Un= 400 V, 50 Hz, IP20	pcs	1.00		
213	supplier price	3-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=20 A, Un= 400 V, 50 Hz, IP20	pcs	1.00		
214	supplier price	3-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=16 A, Un= 400 V, 50 Hz, IP20	pcs	6.00		
215	supplier price	3-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=6 A, Un= 400 V, 50 Hz, IP20	pcs	1.00		
216	supplier price	2-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=6 A, Un= 400 V, 50 Hz, IP20	pcs	1.00		
217	supplier price	1-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=6 A, Un= 230/400 V, 50 Hz, IP20	pcs	6.00		
218	supplier price	1P circuit breaker, current curve: C, breaking capacity according to EN 60898: 4.5 kA, In=16 A, Un= 230/400 V, 50 Hz, IP20	pcs	5.00		
219	supplier price	1P circuit breaker, current curve: C, breaking capacity according to EN 60898: 4.5 kA, In=20 A, Un= 230/400 V, 50 Hz, IP20	pcs	1.00		
220	bidder's price	Compact contactor In=80 A, Un=380 V / AC3, 50 Hz with 1NO+1NC contacts, Ucom=230 V, IP20	pcs	1.00		
221	bidder's price	Modular contactor In=25 A, Un=400 V, 50 Hz with 4NO+0NC contacts, Ucom=230 V AC/DC, IP20, 4.0 kV, 3.0 kA	pcs	1.00		
222	bidder's price	Modular contactor In=20 A, Un=400 V, 50 Hz with 4NO+0NC contacts, Ucom=230 V AC/DC, IP20, 4.0 kV, 3.0 kA	pcs	6.00		
223	bidder's price	Modular contactor In=25 A, Un=230 V, 50 Hz with 2NO+0NC contacts,	pcs	1.00		

1	2	3	4	5	6	7
		Ucom=230 V AC/DC, IP20, 4.0 kV, 3.0 kA				
224	bidder's price	Modular contactor In=20 A, Un=230 V, 50 Hz with 2NO+0NC contacts, Ucom=230 V AC/DC, IP20, 4.0 kV, 3.0 kA	pcs	3.00		
225	bidder's price	Flame-retardant plastic enclosure in accordance with IEC 62208-2013, in 3 rows, with 36 modules, for recessed mounting, IP41, dimensions 342 x 96 x 503(h) mm, fitted with a lock and DIN, N and PE busbars (ShSV-1, ShSV-2, ShSV-3)	pcs	3.00		
226	supplier price	3-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 6.0 kA, In=63 A, Un= 400 V, 50 Hz, IP20	pcs	1.00		
227	supplier price	3-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 6.0 kA, In=25 A, Un= 400 V, 50 Hz, IP20	pcs	1.00		
228	supplier price	3-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 6.0 kA, In=40 A, Un= 400 V, 50 Hz, IP20	pcs	1.00		
229	supplier price	3-pole circuit breaker, current curve: C, breaking capacity according to EN 60898: 4.5 kA, In=32 A, Un= 400 V, 50 Hz, IP20	pcs	1.00		
230	supplier price	3-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=16 A, Un= 400 V, 50 Hz, IP20	pcs	3.00		
231	supplier price	2-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=6 A, Un= 400 V, 50 Hz, IP20	pcs	3.00		
232	supplier price	1P circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=25 A, Un= 230/400 V, 50 Hz, IP20	pcs	1.00		
233	supplier price	1P circuit breaker, current curve: C, breaking capacity according to EN 60898: 4.5 kA, In=16 A, Un= 230/400 V, 50 Hz, IP20	pcs	21.00		
234	supplier price	1-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=6 A, Un= 230/400 V, 50 Hz, IP20	pcs	20.00		
235	bidder's price	Modular contactor In=40 A, Un=400 V, 50 Hz with 4NO+0NC contacts, Ucom=230 V AC/DC, IP20, 4.0 kV, 3.0 kA	pcs	1.00		

1	2	3	4	5	6	7
236	bidder's price	Modular contactor In=20 A, Un=400 V, 50 Hz with 4NO+0NC contacts, Ucom=230 V AC/DC, IP20, 4.0 kV, 3.0 kA	pcs	3.00		
237	bidder's price	Modular contactor In=25 A, Un=230 V, 50 Hz with 2NO+0NC contacts, Ucom=230 V AC/DC, IP20, 4.0 kV, 3.0 kA	pcs	1.00		
238	bidder's price	Modular contactor In=20 A, Un=230 V, 50 Hz with 2NO+0NC contacts, Ucom=230 V AC/DC, IP20, 4.0 kV, 3.0 kA	pcs	3.00		
239	bidder's price	ABS plastic enclosure, 3 rows, with 54 modules, for recessed mounting, IP41, dimensions 398 x 102 x 535(h) mm, fitted with a lock and DIN, N and PE rails (ShR-1)	pcs	1.00		
240	bidder's price	Modular load break switch In=25 A, Un=400 V, 50 Hz, IP20	pcs	1.00		
241	supplier price	3-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=20 A, Un= 400 V, 50 Hz, IP20	pcs	1.00		
242	supplier price	2-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=6 A, Un= 400 V, 50 Hz, IP20	pcs	1.00		
243	supplier price	1P circuit breaker, current curve: C, breaking capacity according to EN 60898: 4.5 kA, In=16 A, Un= 230/400 V, 50 Hz, IP20	pcs	2.00		
244	supplier price	1-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=6 A, Un= 230/400 V, 50 Hz, IP20	pcs	4.00		
245	supplier price	2-pole residual current circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=16 A, rated leakage current – 0.03 A, Un= 230 V, 50 Hz, IP20	pcs	13.00		
246	bidder's price	ABS plastic housing, 2 rows, with 24 modules, for recessed mounting, IP41, dimensions 290 x 102 x 385(h) mm, fitted with a lock and DIN, N and PE busbars (ShR – banquet hall)	pcs	1.00		
247	bidder's price	Modular load separator In=20 A, Un=400 V, 50 Hz, IP20	pcs	1.00		
248	supplier price	1-pole circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=6 A, Un= 230/400 V, 50 Hz, IP20	pcs	2.00		

1	2	3	4	5	6	7
249	supplier price	2-pole residual current circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 4.5 kA, In=16 A, rated leakage current – 0.03 A, Un= 230 V, 50 Hz, IP20	pcs	4.00		
		<i>Total</i>	lei			
		Total distribution boards and accessories Including wages				
		3.2. Cables and cable-laying systems				
311	supplier price	Distribution box with terminals and cover, IP20	pcs	135.00		
312	supplier price	Fire-resistant, halogen-free distribution box with terminals and lid	pcs	50.00		
313	supplier price	Distribution box with terminals and lid, IP55	pcs	65.00		
		<i>Total</i>	lei			
		Total Cables and cable-laying systems Including wages				
		3.4. Lighting equipment				
314	supplier price	Lighting fixture with integrated LED module, painted steel housing, with power supply unit (on/off), surface-mounted, dimensions 595 x 595 x 50(h) mm, luminous flux 3200 lm, light source colour temperature 4000K, nominal luminous efficacy 100.00 lm/W, CRI >80, beam angle - 120°, 32 W, 220–240 V, 50/60 Hz, IP54, IK02 (0.2 J), service life – 50,000 h, operating temperature +5...+35 °C, energy efficiency class – A+, including fixing elements	pcs	10.00		
315	supplier price	Lighting fixture with integrated LED module, painted steel housing, with power supply unit (on/off), surface-mounted, dimensions 595 x 595 x 80(h) mm, luminous flux 3200 lm, light source colour temperature 4000K, nominal luminous efficacy 100.00 lm/W, CRI >90, beam angle - 120°, 32 W, 220–240 V, 50/60 Hz, IP54, IK02 (0.2 J), service life – 50,000 h, operating temperature – 20...+40 °C, energy efficiency class – A+, including fixing elements	pcs	92.00		
316	supplier price	Lighting fixture with integrated LED module, polyamide housing, with	pcs	18.00		

1	2	3	4	5	6	7
		power supply unit (on/off), surface-mounted, dimensions D=360 x 107(h) mm, luminous flux 1,300 lm, light source colour temperature 4,000 K, nominal luminous efficacy 93.00 lm/W, CRI >90, beam angle – 120°, 14 W, 220–240 V, 50/60 Hz, IP54, IK02 (0.2 J), service life – 24,000 h, operating temperature –20...+40 °C, energy efficiency class – A+, including fixing elements				
317	supplier price	Light fitting with integrated LED module, polycarbonate housing, with power supply unit (on/off), surface-mounted, dimensions D=220 x 75(h) mm, luminous flux 1400 lm, light source colour temperature 4000K, nominal luminous efficacy 100.00 lm/W, CRI >90, beam angle - 120°, 14 W, 220–240 V, 50/60 Hz, IP65, IK08 (6.5 J), service life – 50,000 h, operating temperature –20...+40 °C, energy efficiency class – A+, including fixing elements	pcs	3.00		
319	supplier price	Lighting fixture with integrated LED module, polycarbonate housing, with power supply unit (on/off), surface-mounted, dimensions D=390 x 163(h) mm, luminous flux 2500 lm, light source colour temperature 4000K, nominal luminous efficacy 114.00 lm/W, CRI >80, beam angle - 120°, 22 W, 220–240 V, 50/60 Hz, IP65, IK02 (0.2 J), service life – 50,000 h, operating temperature – 20...+40 °C, energy efficiency class – A+, including fixing elements	pcs	6.00		
320	supplier price	Emergency luminaire with integrated LED module, polycarbonate housing, with centralised power supply, surface-mounted, dimensions 255 x 137 x 60(h) mm, luminous flux 150 lm, nominal luminous efficacy 38.00 lm/W, 4 W, 220–240 V, 50/60 Hz, IP22, IK02 (0.2 J), operating temperature 0...+40 °C, energy efficiency class – B, with ‘Arrow’ pictogram, dimensions 120 x 105 mm, including fixing elements	pcs	6.00		
321	supplier price	Lighting fixture with integrated LED module, steel housing, with power supply unit (on/off), wall-mounted or suspended installation, dimensions 1213 x 86 x 128(h) mm, luminous	pcs	2.00		

1	2	3	4	5	6	7
		flux 1600 lm, light source colour temperature 3000K, nominal luminous efficacy 89.00 lm/W, CRI >80, beam angle -100° / 50°, 18 W, 220–240 V, 50 / 60 Hz, IP40, IK02 (0.2 J), service life – 50,000 h, operating temperature +5...+35 °C, energy efficiency class – A+, including a set of wall-mounted suspension fixings				
323	supplier price	Programmable wall-mounted germicidal recirculator, with lamp status indicators, dust filters, 6 x 30W germicidal lamps, for areas up to 20 m² (rooms 118, 119), 230V, 50 Hz, including mounting kit and power cable	pcs	2.00		
		<i>Total</i>	lei			
		Total Lighting equipment Including wages				
		3.5. Grounding				
324	supplier price	Potential equalisation box, dimensions 90.5 x 90.5 x 39 mm, with potential equalisation busbar. Connection options: - 6 conductors 1.5–10 mm² and 1 conductor 6–16 mm²	pcs	2.00		
325	supplier price	Copper equipotential bonding bar, dimensions L=600 mm, cross-section 40 x 4 mm, with insulators and pre-drilled holes for connecting earthing conductors	pcs	1.00		
		<i>Total</i>	lei			
		Total Land Including salary				
		<i>Total</i>	lei			
		<i>Procurement and storage costs</i>	%			
		Total machinery Including wages				
		4. Adjustment and commissioning work				
326	1-12-021-1	Switchgear, voltage up to 1 kV (for power circuits) – ABP controller	1 test	2.00		
327	1-03-002-6	Three-pole switch with electromagnetic, thermal or combined trip mechanism, rated current up to 600 A – Motorised load switch with switching function	pcs	1.00		
328	1-03-002-5	4-pole switch with electromagnetic, thermal or combined trip mechanism,	pcs	1.00		

1	2	3	4	5	6	7
		rated current 63–200 A – Motorised load switch with switching				
329	1-03-003-1	Fast-acting DC circuit-breaker, rated current up to 1000 A – Automatic circuit-breaker in die-cast housing, size H, 4P	pcs	2.00		
330	1-03-002-4	Three-pole load break switch with electromagnetic, thermal or combined trip unit, rated current up to 50 A	pcs	13.00		
331	1-03-002-5	Three-pole load break switch with electromagnetic, thermal or combined trip unit, rated current 63–200 A	pcs	1.00		
332	1-03-001-1	Single-pole load break switch with electromagnetic, thermal or combined trip mechanism	pcs	1.00		
333	1-12-021-1	Switchgear, voltage up to 1 kV (for power circuits) – Compact contactor	1 test	1.00		
334	1-03-001-2	2-pole residual current circuit breaker with protective disconnection device	pcs	28.00		
335	1-03-002-18	Residual current circuit breaker, 4-pole with protective disconnection device	pcs	4.00		
336	1-12-021-1	Switchgear, voltage up to 1 kV (for power circuits) – Modular contactor	1 test	9.00		
337	1-03-001-1	Single-pole circuit breaker with electromagnetic, thermal or combined trip mechanism	pcs	26.00		
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total Commissioning and start-up works Including wages				
		Total	lei			
		Total estimate: Including wages				

Prepared by

(position, signature, surname, first name)

Verified

(position, signature, surname, first name)

**Major renovation of the building and
modernisation of the 'Ion Creanga' Secondary
School in Falesti, cadastral number
4301220.066, as part of the EU/UNDP
Moldova Project 'Improving Quality
Education and Opportunities'**

(name of the project)

Form No. 7
WinCmeta

LOCAL QUOTATION No. 2-1-5

Water and sewerage networks (0029/25-RAC)

Prepared at current prices:

No. No.	Standard code and resource code	Works and expenditure	Unit of measureme nt	Quantity as per project data	Estimated value, lei	
					Per unit of measure incl. wages	Total incl. salary
1	2	3	4	5	6	7
		1.2. The T3 system				
36	SA16C	PN16 polypropylene pipe, joined by fusion welding in columns, for residential and social and cultural buildings, with an external diameter x wall thickness of 32 x 4.4 mm	m	10.00		
37	SA16B	PN16 polypropylene pipe, joined by fusion welding, in risers, for residential and social and cultural buildings, with an external diameter x wall thickness of 25 x 3.5 mm	m	10.00		
38	SA15B	PN16 polypropylene pipe joined by fusion welding, in connecting pipes, for sanitary facilities, residential and social-cultural buildings, with a diameter of 20 x 2.8 mm	m	10.00		
39	SA37D fitting	Metal pipe clamp with rubber gasket and plug, supplied as a set for D32 pipe	pcs	5.00		
40	SA37C Application	Metal pipe clamp with rubber gasket and plug, set for D25 pipe	pcs	5.00		
41	SA37B	Metal pipe clamp with rubber gasket and plug, set for DN20 pipe	pcs	5.00		
42	RpIF09A	Insulation of pipes using special insulating sleeves, fitted onto pipes with a diameter and thickness of D=20x22 mm Small items = 1.0500	m	10.00		
43	RpIF09A	Insulation of pipes using special insulating sleeves, fitted onto the pipes, with a diameter and thickness of D=25x22 mm Miscellaneous materials = 1.0500	m	10.00		

1	2	3	4	5	6	7
44	RpIF09A	Insulation of pipes with special insulating sleeves, fitted onto the pipes, with a diameter and thickness of D=35x22 mm Miscellaneous materials = 1.0500	m	10.00		
45	SD19A	Ball valve with butterfly actuator and 1/2" connection Small items (spindle, lead minium primer, etc.) = 1.0150	pcs	70.00		
46	SD20B	PP-R/FB PN20 Dutch coupling, diameter d=25 x 3/4" Fine aggregate (spindle-shaped gravel, lead minium primer, etc.) = 1.0100	pcs	10.00		
47	SD07B	Ball valve with butterfly handle and 3/4" connection Small parts (spindle, red lead primer, etc.) = 1.0200	pcs	5.00		
48	SD20C	Dutch-style PP-R/FB PN20 coupling, diameter d=32 x 1" Fine aggregate (spindle-shaped gravel, lead minium primer, etc.) = 1.0100	pcs	14.00		
49	SD19B	Ball valve with butterfly handle and 1" connection Miscellaneous materials (spindle, lead minium primer, etc.) = 1.0150	pcs	7.00		
50	SD19A	Corner drain valve, 1/2" FE (ball), long handle with hose connection spigot Small parts (spindle, lead-based primer, etc.) = 1.0150	pcs	5.00		
51	SF01C	Carrying out a pressure-tightness test on hot or cold water installations with a diameter of 16–110 mm	m	30.00		
52	SF02C	Carrying out a functional test on a hot or cold water system with a diameter of 16–110 mm	10 m	3.00		
53	SF05C	Flushing of the cold or hot water system, made of plastic pipes, with a diameter of 20–75 mm	m	30.00		
54	SD12A	Electric water heater. Safety valve with a fixed setting of 0.8 MPa (8 bar), with threaded connections, having 3/4" fittings Miscellaneous materials (spindle, lead minium primer, etc.) = 1.0200	pcs	16.00		
55	SD07B	Electric water heater. Ball valve with butterfly handle, PN20, with 3/4" connection diameters Small materials (spindle, red lead primer, etc.) = 1.0200	pcs	16.00		
		<i>Total</i>	lei			
		Total Sistema T3 Including salary				
		1.4. K3 system				
78	SB08E	Polypropylene sewer pipe D110	m	35.00		

1	2	3	4	5	6	7
79	SA37I	Metal pipe clamp with rubber gasket and dowel, supplied as a set for D110 pipe	pcs	15.00		
80	SB08C	D50 polypropylene sewer pipe	m	10.00		
81	SA37F	Metal pipe clamp with rubber gasket and dowel, set for D50 pipe	pcs	15.00		
82	SA40A	Installation of fire-resistant couplings fixed to the floor slab using wall plugs, for D110 drainage pipes	pcs	4.00		
83	SB09E	Polypropylene inspection chamber for drainage with threaded plug, D110	pcs	4.00		
84	SB09E	Polypropylene ventilation cap for drainage, fitted with a rubber gasket, with a diameter of 110 mm	pcs	4.00		
85	SB28B	Polypropylene floor drain, with a stainless steel grate, side outlet, outlet diameter 110 mm. Fine aggregate (cement, sand, water, etc.) = 1.0100	pcs	3.00		
86	SB09E	45° polypropylene (PP) elbow for internal drainage, fitted with a rubber seal, with a diameter of 110 mm	pcs	16.00		
87	SB09C	45° polypropylene (PP) elbow for internal drainage, fitted with a rubber gasket, with a diameter of 50 mm	pcs	24.00		
88	SB10C	45° single branch made of polypropylene (PP) for internal drainage, fitted with a rubber seal, with a diameter of 50 mm	pcs	5.00		
89	SB10E	Single 45° polypropylene (PP) branch for internal drainage, fitted with a rubber seal, with a diameter of 110 mm	pcs	6.00		
90	SB09E	Polypropylene (PP) reducer for internal drainage, fitted with a rubber seal, with a diameter of 110x50 mm	pcs	2.00		
91	SF04A	Carrying out leak and functional tests on the drainage system with a diameter of up to and including 100 mm	10 m	4.50		
		<i>Total</i>	lei			
		Total K3 System Including salary				
		1.5. Sanitary equipment				
92	RpEJ08C	Cutting grooves up to 5 cm deep in stone or reinforced concrete walls, 5x50 cm ² (toilet)	m	8.00		
93	RpEJ09D	Filling of grooves in walls up to 50 cmp	m	8.00		
94	RpEJ08D	Cutting grooves up to 5 cm deep in 5x100 square metre brickwork walls (washbasin, urinal, shower tray)	m	50.00		

1	2	3	4	5	6	7
95	RpEJ09E	Filling of grooves in walls between 50 and 100 cm ²	m	50.00		
96	SC04C	Washbasin made of semi-porcelain, sanitary porcelain, etc., including those for disabled people, with a plastic drainpipe, mounted on a pedestal Small items (screws, wooden dowels, plaster, etc.) = 1.0200	pcs	4.00		
97	SB09C	Rubber reducer with a diameter of 50 x 32 mm	pcs	4.00		
98	SD04A	Washbasin mixer tap with swivel spout, including for people with disabilities, with connection diameters of 1/2" x 1/8"	pcs	4.00		
99	SC07A1	Toilet bowl with cistern and seat, fully fitted, made of sanitary porcelain, floor-mounted, with a cistern capacity of 6.0 L mounted on the bowl, featuring an internal S-type trap Small items (wooden dowels, plaster, wood screws, putty, dichlorethane, etc.) = 1.0300	pcs	2.00		
100	SB09E	Flexible, extendable WC connection, stainless steel insert with socket D=110 mm L=60 mm	pcs	2.00		
101	SD02A	Bathroom mixer tap, with flexible or fixed shower head, regardless of shut-off mechanism, including for disabled use, mounted on brick or aerated concrete walls Small materials (spindle-wound tow, linseed oil, lead minium primer, etc.) = 1.0050	pcs	4.00		
102	SC09A	Wall-hung sanitary porcelain urinal mounted on a brick or reinforced concrete wall, with a timer-controlled urinal tap and siphon Small items (wooden dowels, plaster, wood screws, putty, dichlorethane, etc.) = 1.0200	pcs	2.00		
103	SB09C	Rubber reducer with a diameter of 50 x 40 mm	pcs	10.00		
104	SD04A	Mixer tap with swivel arm and stand for washbasins, suitable for any type of tap, including for people with disabilities, with a diameter of 1/2"	pcs	2.00		
105	SB09B	Sink trap, fitted with a rubber seal, DN50/40	pcs	2.00		
		<i>Total</i>	lei			
		Total Sanitary equipment Including wages				
		1.7. Dismantling work				
113	RpSA03A	Dismantling of the existing galvanised steel pipe inside the building, with a diameter of 1/2"–1"	m	50.00		

1	2	3	4	5	6	7
114	RpSA03B	Removal of existing galvanised steel pipe inside the building, with a diameter of 1 1/4"-2"	m	35.00		
115	RpSB01C	Removal of cast iron pipes and shaped fittings for the drainage system, with a diameter of 100 mm	m	30.00		
116	RpSB03A	Removal of unplasticised polyvinyl chloride (PVC) pipes, light-duty type, with a diameter of 32 mm – 50 mm	m	20.00		
117	RpSB05C	Removal of a floor drain, 100 mm in diameter	pcs	3.00		
		<i>Total</i>	lei			
		Total dismantling work Including wages				
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and storage costs</i>	%			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimated profit</i>	%			
		Total construction works Including wages				
		2. Installation works				
		2.1. T3 system				
120	SE48A	Instant water heater tap with electric heating element	pcs	6.00		
		<i>Total</i>	lei			
		Total Sistema T3 Including salary				
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and storage costs</i>	%			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimated profit</i>	%			
		Total installation work Including wages				
		3. Equipment				
		3.1. T3 system				
130	Supplier price	IP4X electric resistance instant water heater tap, 220–240 V, with mechanical control, heating element power 3000 W, with flexible	pcs	6.00		

1	2	3	4	5	6	7
		connection and dielectric coupling included in the set				
		<i>Total</i>	lei			
		Total Sistema T3 Including salary				
		<i>Total</i>	lei			
		<i>Procurement and storage costs</i>	%			
		Total machinery Including wages				
		Total	lei			
		Total estimate: Including wages				

Prepared by

(position, signature, surname, first name)

Verified

(position, signature, surname, first name)

**Major renovation of the building and modernisation of the
“Ion Creanga” Primary School in Falesti, cadastral number
4301220.066, as part of the EU/UNDP Moldova Project:
Improving Quality Education and Opportunities**

(name of the project)

Form No. 7
WinCmeta

LOCAL QUOTATION No. 2-1-6

Fire alarm system (0029/25-5.3-SI1)

Prepared at current prices:

No. No.	Standard symbol and resource code	Works and expenses	Unit of measureme nt	Quantity as per project data	Estimated value, lei	
					Per unit of measure incl. wages	Total incl. salary
1	2	3	4	5	6	7
		1. Construction works				
1	TsC58B k=1.2	Cable trench. Mechanical excavation of earth on site using an excavator with a bucket volume of 0.15 m³: Category 2 ground (trench excavation) Machinery coefficient = 1.2000 Coefficient for labour costs = 1.2000 Material coefficient = 1.2000	100 m³	0.12		
2	TsC59B k=1.2	Mechanical earthworks with discharge into a tipper lorry using an excavator with a bucket volume of 0.15 m³: Category 2 ground (trench excavation) Labour cost coefficient = 1.2000 Materials coefficient = 1.2000 Machinery coefficient = 1.2000	100 m³	0.06		
3	TsI51A5	Transporting soil using a 10-tonne tipper lorry over a distance of: 5 km	t	9.90		
4	TsC51B	Work involved in unloading soil at a tip, Category II land	100 m³	0.06		
5	AcF03A	Cable trenches. Backfill in trenches as a substrate and protective layer, carried out using sand	m³	5.85		
6	34-02-004- 1	Installation of flexible double-walled pipes 450N, d=110 mm	1 km	0.065		
7	TsD18B	Cable trench. Compacted backfill in trenches for buried cables of high- voltage power lines, carried out using soil from the surrounding area	m³	12.00		
8	RpEJ08D	Excavation of trenches up to 5 cm deep in 5x100 cm² brickwork walls	m	30.00		
9	RpEJ09E	Filling of grooves in walls between 50 and 100 cm²	m	30.00		
10	CN23E	High-quality painting of service installations, carried out using two coats of BT-177 alkyd enamel over one coat of GF-021 primer, on pipes with an external diameter of up to and including 34 mm	m	12.00		
11	CN23F	High-quality paintwork for functional installations (), applied with two coats of BT-177 alkyd enamel over one coat of GF-021 primer, on pipes	m²	2.16		

1	2	3	4	5	6	7
		with an external diameter of 34 mm and above				
12	IzD09A application	Marking of panels with paint using a stencil in accordance with the markings in the project	pcs	3.00		
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and storage costs</i>	%			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total construction works Including wages				
		2. Installation work				
13	08-02-390-3	Non-flammable thermoplastic PVC ducts with a cross-section of 100x60 mm, including the fitting of accessories (elbows, tees, crosses)	100 m	0.07		
14	08-02-411-1	Metal hose, external diameter up to 48 mm	100 m	4.00		
15	supplier price	Flexible metal tube with PVC insulation, D=16 mm	linear metre	400.00		
16	08-02-407-1	Steel pipe for building installations mounted on walls, secured with clamps, diameter up to 25 mm	100 m	0.06		
17	supplier price	Steel pipe d=26.8x2.8 mm	linear metre	6.00		
18	08-02-407-3	Steel pipe for building installations mounted on walls, clamped in place, diameter up to 50 mm	100 m	0.06		
19	supplier price	Steel pipe d=57x3.0 mm	linear metre	6.00		
20	supplier price	Fire-resistant polyurethane foam B1 (DIN 4102-1), 750 ml	pcs	2.00		
21	08-02-148-1	Cable up to 35 kV in conduits, blocks and installed boxes, weight per 1 m up to: 1 kg	100 m	9.90		
22	supplier price	Single-pair twisted copper wire cable, shielded and with special insulation made from a silicone rubber compound, PH30 classification in accordance with standard EN 50200:2015, cross-section 1x2x1.0 mm ²	linear metre	600.00		
23	supplier price	Copper cables that do not propagate flame, with low smoke and gas emission, low toxicity when burning, maintaining operational capability for 180 minutes at a minimum temperature of 750°C, for voltages of 0.6/1.0 kV, meeting the requirements of DIN VDE 0266, DIN VDE 0276-604, IEC 60332-3 Cat. C, DIN VDE 0472-814, DIN 4102 Part 12, Unom = 0.66 kV, type ‘ ’ (N)HXH-JE90/FE180, cross-section 3 × 1.5	linear metre	10.00		

1	2	3	4	5	6	7
		mm ²				
24	supplier price	Single-core conductor with a polyvinyl chloride insulation, type NYY-J, yellow-green, cross-section 1x6.0 mm ²	linear metre	90.00		
25	08-03-572-3	Control unit, cabinet-type or distribution point (cabinet), wall-mounted, height and width, mm, up to 600x600, IP31	pcs	1.00		
26	08-01-080-1	Miniature circuit breakers (MCBs) 1P	pcs	8.00		
27	08-01-080-2	2P load break switch	pcs	1.00		
28	08-03-592-1	Distribution box with terminals	100 pcs	0.11		
29	supplier price	Distribution box with terminals and cover, dimensions 200 x 155 x 80 (h) mm, IP65	pcs	1.00		
30	supplier price	Halogen-free polypropylene distribution box, dimensions 90 x 90 x 52 (h) mm, IP55, IK07, fire resistance – 650°C, with 6 terminals, cross-section 2.5 – 6.0 mm ²	pcs	5.00		
31	10-08-001-02	Receiver units: Addressable control panel in accordance with EN 54, with a maximum of 8 addressable lines per panel	pcs	1.00		
32	10-08-001-11	Receiver units: Main address board with 8 I/O, 24 V DC	pcs	1.00		
33	10-08-001-13	Receiver units: Expansion module with 8 relays with contacts	pcs	1.00		
34	08-03-575-1	Device – Battery	pcs	2.00		
35	10-08-002-02	Addressable optical smoke detector with mounting base	pcs	32.00		
36	08-03-591-1	Addressable fire alarm push-button	100 pcs	0.21		
37	10-08-002-03	Short-circuit isolator	pcs	10.00		
38	10-08-002-01	Remote alarm indicator	pcs	20.00		
39	10-08-001-10	Automatic dialler for GSM networks	pcs	1.00		
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and storage costs</i>	%			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total installation work Including wages				
		3. Plant				
40	supplier price	Plastic surface-mounted distribution board, with a capacity of 24 modules, IP40, dimensions 294 x 326.5 x 92.5 mm, fitted with a padlock and DIN,	pc	1.00		

1	2	3	4	5	6	7
		N and PE busbars				
41	supplier price	1P circuit breaker, current curve: C, breaking capacity in accordance with EN 60898: 6.0 kA, In=6 A, Un= 230/400 V, 50 Hz, IP20	pcs	6.00		
42	supplier price	1P circuit breaker, current curve: C, breaking capacity according to EN 60898: 6.0 kA, In=3 A, Un= 230/400 V, 50 Hz, IP20	pcs	2.00		
43	supplier price	Modular load break switch with toggle lever, Ue AC – 400 V, Iu = 40 A, 2P, IP20	pcs	1.00		
44	supplier price	Addressable control panel in accordance with EN 54, with a maximum of 8 addressable lines per panel. Maximum of 127 addressable elements per addressable line. Number of logical zones – 511. Front panel fitted with a touchscreen LCD display. Configurable I/O lines, 2,000-event memory, USB/Ethernet interface for PC programming. Communication ports – RS-232; USB; TCP/IP. Metal housing with space for 2 x 12V/24Ah batteries. Programming software available free of charge, with the following components included by the manufacturer: - Built-in 150W power supply, supply voltage 230V 50/60 Hz, nominal output voltage 27.6 V DC	pcs	1.00		
45	supplier price	Main address board with 8 I/O, 24 V DC, type TLD-08, with an expansion module featuring 8 dry-contact relays, 1.5 A / 30 V DC, type TLD-R8 or similar in terms of specifications	set	1.00		
46	supplier price	Sealed lead-acid battery, 12 V, 12 Ah	pcs	2.00		
47	supplier price	TFO-482A type addressable analogue photoelectric smoke detector or similar in terms of specifications	pcs	32.00		
48	supplier price	Standard detector base, type TFB-180 or similar in terms of specifications	pcs	32.00		
49	supplier price	Addressable fire alarm push-button with one LED, mounted on the front panel, type TPB-800ASM or similar in terms of specifications	pcs	4.00		
50	supplier price	Short-circuit isolator with LED visual indicator. Operating voltage: 15V – 24V DC. EN 54-17. EN 54-17 certification.	pcs	2.00		
51	supplier price	Remote alarm indicator for addressable detectors of the TFL-1AN type or similar in terms of specifications	pcs	20.00		
52	supplier	Automatic telephone dialler for GSM	pc	1.00		

1	2	3	4	5	6	7
	price	networks, type TDM-500IC or or similar in terms of specifications				
		<i>Total</i>	lei			
		<i>Procurement and storage costs</i>	%			
		Total machinery Including wages				
		4. Adjustment and commissioning work				
53	1-10-002-1	Signalling sector formation circuit (central, technical, local, emergency, warning, etc.)	1 sector	1.00		
54	1-10-001-1	Collection and processing of information signals from protection and automation devices for electrical and process systems	signal	52.00		
55	1-03-001-1	Single-pole automatic circuit-breaker with electromagnetic, thermal or combined trip mechanism	pcs	8.00		
56	1-03-002-4	Bipolar load break switch with electromagnetic, thermal or combined trip mechanism, rated current up to 50 A	pcs	1.00		
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total Commissioning and start-up works Including wages				
		Total	lei			
		Total estimate: Including wages				

Prepared

(position, signature, surname, first name)

Verified

(position, signature, surname, first name)

**Major renovation of the building and
modernisation of the 'Ion Creanga' Secondary
School in Falesti, cadastral number
4301220.066, as part of the EU/UNDP
Moldova Project 'Improving Quality
Education and Opportunities'**

(name of the project)

Form No. 7
WinCmeta

LOCAL QUOTATION No. 2-1-7

Wastewater management system (0029/25-5.3-SI2)

Prepared at current prices:

No. No.	Standard code and resource code	Works and expenses	Unit of measureme nt	Quantity as per project data	Estimated value, lei	
					Per unit of measure incl. wages	Total incl. salary
1	2	3	4	5	6	7
		1. Construction works				
1	CN23E	High-quality painting of service installations, carried out using two coats of BT-177 alkyd enamel over one coat of GF-021 primer, on pipes with an external diameter of up to and including 34 mm	m	6.00		
2	IzD09A applicative	Marking of panels with paint using a stencil in accordance with the markings in the project	pcs	2.00		
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and storage costs</i>	%			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total construction works Including wages				
		2. Installation works				
3	08-02-411-1	Metal hose, external diameter up to 48 mm	100 m	5.00		
4	supplier price	Flexible metal tube with PVC insulation, D=16 mm	linear metre	500.00		
5	08-02-407-1	Steel pipe for building installations mounted on walls, secured with clamps, diameter up to 25 mm	100 m	0.12		
6	supplier price	Steel pipe d=26.8x2.8 mm	linear metre	12.00		

1	2	3	4	5	6	7
7	supplier price	B1 fire-resistant polyurethane foam (DIN 4102-1), 750 ml	pcs	1.00		
8	08-02-148-1	Cable up to 35 kV in conduits, blocks and installed boxes, weight per 1 m up to: 1 kg	100 m	3.00		
9	supplier price	Copper cables that do not propagate flame, with low smoke and gas emission, low toxicity when burning, maintaining their operational ity for 180 minutes at a minimum temperature of 750°C, for voltages of 0.6/1.0 kV, meeting the requirements of DIN VDE 0266, DIN VDE 0276-604, IEC 60332-3 Cat. C, DIN VDE 0472-814, DIN 4102 Part 12, Unom = 0.66 kV, type (N)HXXH-JE90/FE180, cross-section 2 × 1.5 mm ²	linear metre	210.00		
10	supplier price	Copper cables that do not propagate flame, with low smoke and gas emission, low toxicity when burning, maintaining operational capability for 180 minutes at a minimum temperature of 750°C, for voltages of 0.6/1.0 kV, meeting the requirements of DIN VDE 0266, DIN VDE 0276-604, IEC 60332-3 Cat. C, DIN VDE 0472-814, DIN 4102 Part 12, Unom = 0.66 kV, type (N)HXXH-JE90/FE180, cross-section 3 × 1.5 mm ²	linear metre	10.00		
11	supplier price	Single-core conductor with a polyvinyl chloride insulation, type NYJ-J, yellow-green, cross-section 1x6.0 mm ²	linear metre	80.00		
12	08-03-592-1	Distribution box with terminals	100 pcs	0.1		
13	supplier price	P90 fire-resistant junction box, with terminals and cover, dimensions 162 x 122 x 48 (h) mm, IP55	pcs	10.00		
14	08-03-532-4	Plastic housing for control circuit devices with selector actuator – symmetrical head	pcs	1.00		
15	08-03-532-4	Plastic housing for control circuit devices with mushroom-head push-button	pcs	1.00		
16	08-03-572-3	Control unit, cabinet-type or distribution point (cabinet), wall-mounted, height and width, mm, up to 600×600, IP31	pcs	1.00		
17	10-02-051-04	Installation, cable connection – Contacts	100 pcs	0.02		

1	2	3	4	5	6	7
18	08-01-081-2	Relay with socket	pcs	2.00		
19	10-04-101-07	Indoor speaker	pcs	25.00		
20	10-04-101-15	Visual and audible alarm	pcs	2.00		
21	10-04-100-09	Radio transmission node equipment: Power amplifier	pcs	1.00		
22	10-04-064-01	16-zone microphone console	pcs	1.00		
23	10-08-003-03	Devices – 24 V, 3.5 A power supply unit	pcs	1.00		
24	08-03-575-1	Device – Battery	pcs	2.00		
25	08-03-593-10	Wall-mounted lighting indicators	100 pcs	0.06		
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and storage costs</i>	%			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total installation work Including wages				
		3. Plant				
26	supplier price	Plastic housing for control circuit devices with 1 hole d=22.2 mm, IP41, D=55 mm, h=65 mm	pcs	1.00		
27	supplier price	Selector actuator – symmetrical head, 2 positions with locking 0 – I 45*, IP65, 230V	pcs	1.00		
28	supplier price	Mushroom-head pushbutton, 40 mm, red, IP65, 230V	pcs	1.00		
29	supplier price	Plastic surface-mounted distribution board, with a capacity of 18 modules, IP40, dimensions 376 × 228 × 101 mm, fitted with a padlock and DIN, N and PE rails	pcs	1.00		
30	supplier price	NO-type auxiliary contact block, screw connection, 24 V DC / 230 V AC, 1.5 A	pcs	1.00		
31	supplier price	NC-type auxiliary contact block, screw connection, 24 V DC / 230 V AC, 1.5 A	pcs	1.00		
32	supplier price	Relay with 4 changeover contacts, coil voltage – 24 V DC, 6 A (per contact) with plug (pin type)	pcs	1.00		
33	supplier price	Loudspeaker with steel/impact-resistant plastic (ABS) housing, for	pcs	5.00		

1	2	3	4	5	6	7
		indoor wall mounting, sound power 0.75 / 1.50 / 3.00 / 6.00 W, sound pressure 91 dB, frequency range: 100–10,000 Hz, input voltage 100 V, dimensions 260 × 180 × 80 mm, with fixing fittings included				
34	supplier price	Speaker with steel/impact-resistant plastic (ABS) housing, recessed, for installation in suspended ceilings, indoor use, sound power 0.75 / 1.50 / 3.00 / 6.00 W, sound pressure 91 dB, frequency range: 100–20,000 Hz, input voltage 100 V, dimensions D=205 x 140 mm, with fixing elements included	pcs	12.00		
35	supplier price	Visual and audible alarm made from fire-resistant ABS plastic with fixing elements included in the set; supply voltage – 24 V DC; current consumption in alarm mode – 30–80 mA; IP41. Indicator lights – red LEDs; sound pressure level – not less than 85 dB at 1 metre. Certified to EN 54-3	pcs	2.00		
36	supplier price	Public address power amplifier for playing pre-recorded messages, connecting up to 5 microphone consoles, featuring 2 line inputs, the ability to select signals to attract attention, the ability to programme the evacuation algorithm during equipment configuration, and indication of the equipment's service status. 600 W output power, built-in microphone, 12 notification zones, line status monitoring for short circuits and open circuits, powered by 220 V AC mains or +24 V DC. Output voltage 100 V, with mounting fittings included	pcs	1.00		
37	supplier price	16-zone microphone console, can connect up to 5 microphones to the system; communication range of up to 1,000 m, LED operation indicator; nominal microphone sensitivity of 5 mV, line input 200 mV; dimensions 150 x 220 x 60 mm	pcs	1.00		
38	supplier price	Power supply unit 220–230 V AC, 50 Hz / 24 V DC, 3.5 A in a metal casing, dimensions 340 (h) x 95 x 290 mm, with automatic protection against overload, short circuit and	pcs	1.00		

1	2	3	4	5	6	7
		deep battery discharge. EN 54-4 certified				
39	supplier price	Sealed lead-acid battery 12 V, 12 Ah	pcs	2.00		
40	supplier price	Illuminated sign panel with super-bright LEDs. Housing material – plastic. Supply voltage – 12V or 24V, IP20, with signage (01A – 22 pcs; 03A – 5 pcs; 18A – 5 pcs), including mounting fittings in the set	pcs	10.00		
		<i>Total</i>	lei			
		<i>Procurement and storage costs</i>	%			
		Total machinery Including wages				
		4. Adjustment and commissioning work				
41	1-10-002-1	Signalling sector formation circuit (central, technical, local, emergency, warning, etc.)	1 sector	1.00		
42	1-10-001-1	Collection and processing of information signals from protection and automation devices for electrical and process systems	signal	156.00		
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total commissioning and start-up works Including wages				
		Total	lei			
		Total estimate: Including wages				

Prepared by

(position, signature, surname, first name)

Verified

(position, signature, surname, first name)

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modernisation of the 'Ion Creanga' Secondary
School in Falesti, cadastral number
4301220.066, as part of the EU/UNDP
Moldova Project 'Improving Quality
Education and Opportunities'**

(name of the project)

Form No. 7
WinCmeta

LOCAL QUOTATION No. 2-1-8

Automated fire protection system (0029/25-5.3-SI3)

Prepared at current prices:

No. No.	Standard code and resource code	Works and expenses	Unit of measureme nt	Quantity as per project data	Estimated value, lei	
					Per unit of measure incl. wages	Total incl. salary
1	2	3	4	5	6	7
		1. Construction works				
1	IC43B	Fabrication and installation of protective sleeves where pipes pass through floors; the sleeves have a diameter of 63.5×3.0 mm, L = 0.50 m	pcs	1.00		
2	RpEJ08D	Cutting grooves up to 5 cm deep in brickwork walls, 5×100 cm ²	m	5.00		
3	RpEJ09E	Filling of grooves in walls between 50 and 100 cm ²	m	5.00		
4	IzD09A applicative	Marking the panels with paint using a stencil in accordance with the markings in the project	pcs	8.00		
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and storage costs</i>	%			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total construction works Including wages				
		2. Installation works				
5	08-02-390-1	Non-flammable thermoplastic PVC ducts with a cross-section of 25x16 mm, including the fitting of accessories (elbows, tees, crosses)	100 m	0.25		
6	08-02-390-1	Non-flammable thermoplastic PVC conduits with a cross-section of	100 m	0.05		

1	2	3	4	5	6	7
		40x20 mm, including the fitting of accessories (elbows, tees, crosses)				
7	08-02-411-1	Metal hose, external diameter up to 48 mm	100 m	6.00		
8	supplier price	Flexible metal tube with PVC insulation, D=16 mm	linear metre	600.00		
9	08-02-407-1	Steel pipes for building installations mounted on walls, secured with clamps, diameter up to 25 mm	100 m	0.06		
10	supplier price	Steel pipe d=26.8x2.8 mm	linear metre	6.00		
11	supplier price	Fire-resistant polyurethane foam B1 (DIN 4102-1), 750 ml	pcs	1.00		
12	08-02-148-1	Cable up to 35 kV in conduits, blocks and installed boxes, weight per 1 m up to: 1 kg	100 m	7.6		
13	supplier price	Cable with solid copper conductors, HI1 cross-linked polymer insulation, pairs of twisted conductors, aluminium foil screen, halogen-free (LSZH) insulation, cable insulation integrity FE180 (tested to DIN VDE 0472 Part 814 / IEC 60331), system integrity E30 (tested to DIN 4102 Part 12), Un=225 V, 1 pair, cross-section 0.8 mm ²	linear metre	80.00		
14	supplier price	Cable with solid copper conductors, HI1 cross-linked polymer insulation, wires twisted in pairs, aluminium foil screen, halogen-free (LSZH) insulation, cable insulation integrity FE180 (tested to DIN VDE 0472 Part 814 / IEC 60331), system integrity E30 (tested to DIN 4102 Part 12), Un=225 V, 2 pairs, cross-section 0.8 mm ²	linear metre	120.00		
15	supplier price	Single-pair twisted copper wire cable, shielded and with special insulation made from a silicone rubber compound, PH30 classification in accordance with standard EN 50200:2015, cross-section 1x2x1.0 mm ²	linear metre	300.00		
16	supplier price	Copper cables that do not propagate flame, with low smoke and gas emission, low toxicity when burning, maintaining operational capability for 180 minutes at a minimum temperature of 750°C, for voltages of 0.6/1.0 kV, meeting the requirements of DIN VDE 0266, DIN VDE 0276-604, IEC 60332-3 Cat. C, DIN VDE 0472-814, DIN 4102 Part 12, Unom	linear metre	100.00		

1	2	3	4	5	6	7
		= 0.66 kV, type (N)HXXH-JE90/FE180, cross-section 2×1.5 mm ²				
17	supplier price	Copper cables that do not propagate flame, with low smoke and gas emission, low toxicity when burning, maintaining operational capability for 180 minutes at a minimum temperature of 750°C, for voltages of 0.6/1.0 kV, meeting the requirements of DIN VDE 0266, DIN VDE 0276-604, IEC 60332-3 Cat. C, DIN VDE 0472-814, DIN 4102 Part 12, Unom = 0.66 kV, type (N)HXXH-JE90/FE180, cross-section 3×1.5 mm ²	linear metre	80.00		
18	supplier price	Copper cables that do not propagate flame, with low smoke and gas emission, low toxicity when burning, maintaining operational capability for 180 minutes at a minimum temperature of 750°C, for voltages of 0.6/1.0 kV, meeting the requirements of DIN VDE 0266, DIN VDE 0276-604, IEC 60332-3 Cat. C, DIN VDE 0472-814, DIN 4102 Part 12, Unom = 0.66 kV, type (N)HXXH-JE90/FE180, cross-section 4×1.5 mm ²	linear metre	60.00		
19	supplier price	Single-core conductor with a polyvinyl chloride insulation, type NYY-J, yellow-green, cross-section 1×6.0 mm ²	linear metre	20.00		
20	08-03-592-1	Distribution box with terminals	100 pcs	0.11		
21	supplier price	P90 fire-resistant junction box, with terminals and cover, dimensions 162 x 122 x 48 (h) mm, IP55	pcs	9.00		
22	supplier price	Halogen-free polypropylene distribution box, dimensions 90 x 90 x 52 (h) mm, IP55, IK07, fire resistance – 650°C, with 12 terminals, cross-section $2.5 - 6.0$ mm ²	pcs	2.00		
23	10-08-001-02	Receiving units: Addressable fire smoke extraction control panel, in accordance with EN 54	pcs	1.00		
24	10-08-003-03	Devices – 24 V, 3.5 A power supply unit	pcs	1.00		
25	08-03-575-1	Device – Battery	pcs	2.00		
26	10-08-019-01	Mounting box for modules	pcs	22.00		

1	2	3	4	5	6	7
27	10-08-002-03	Addressable analogue relay interface module	pcs	15.00		
28	10-08-002-03	Addressable relay module 30 V / 2 A	pcs	6.00		
29	10-08-002-03	Short-circuit isolator	pcs	3.00		
30	08-03-591-1	Smoke extraction control button	100 pcs	0.10		
31	11-02-001-01	Device fitted to threaded connections, mass, kg, up to: 1.5 - Differential pressure switch for monitoring air handling units	pcs	1.00		
32	08-03-601-1	Fully equipped electrical cabinet for smoke extraction fan automation	pcs	1.00		
33	08-03-532-4	Plastic housing for control circuit devices with selector actuator – symmetrical head	pcs	3.00		
34	10-08-019-01	Enclosure for 4-module PLCs, IP40	pcs	3.00		
35	10-02-051-04	Installation, cable connection – Contacts	100 pcs	0.09		
36	08-01-081-2	Relay with socket	pcs	9.00		
37	10-08-002-04	Magnetic contact alarms for windows and doors	pcs	4.00		
38	11-04-004-01	Electric chain drive for windows, for smoke extraction and ventilation	pcs	2.00		
39	11-04-004-01	Electro-mechanical drive system for swing doors	pcs	2.00		
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and storage costs</i>	%			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total installation works Including wages				
		3. Plant				
40	supplier price	Addressable fire smoke extraction control panel. Corrosion-resistant steel housing 430 x 115 x 350 (h) mm, 24 V DC, 50 mA on standby, with LED indicators for status, operating mode, alarm and protected zones, and control elements. Control capacity – up to 20 fans with a single selector, with the option to interconnect up to 9 smoke management panels into a single	pcs	1.00		

1	2	3	4	5	6	7
		network. The system constantly monitors the integrity of the wiring (short circuits, open circuits or earth faults). Allows the operator to override the fan status: auto / off / on. System software included in the price. EN 54 certification				
41	e supplier price	Power supply unit 220–230 V AC, 50 Hz / 24 V DC, 3.5 A in a metal casing, dimensions 340 (h) x 95 x 290 mm, with automatic protection against overload, short circuits and deep battery discharge. EN 54-4 certification	pcs	1.00		
42	supplier price	Sealed lead-acid battery 12 V, 12 Ah	pcs	2.00		
43	supplier price	Interface module with addressable analogue relay, NO or NC switch contact with visual LED indicator. Switching capacity: 2A at 30V DC. Operating voltage: 15V – 24V DC. EN 54-18 certified	pcs	5.00		
44	supplier price	Addressable relay output module with dry contact, NO or NC switch contact with LED visual indicator. Switching capacity: 2A at 30V DC. Operating voltage: 15V – 24V DC. EN 54-18 certified	pcs	3.00		
45	supplier price	Short-circuit isolator with LED visual indicator. Operating voltage: 15V – 24V DC. EN 54-17. Certified to EN 54-17.	pcs	3.00		
46	supplier price	Mounting box for I/O modules made of flame-retardant ABS plastic (fire-resistant), D=100 mm, 30(h) mm	pcs	22.00		
47	supplier price	Smoke extraction system control button, 220–230 V AC, 50 Hz or 24 V DC	pcs	5.00		
48	supplier price	Differential pressure switch for monitoring air handling units with silicone diaphragm, pressure sensor, range – 200...1000 Pa, maximum permissible differential pressure – 10 kPa, 100 Pa $\pm$ 15 % Pa. Relay – NO/NC. IP54, I _{max} = 1.5 A (0.4 A), 24 V DC	pcs	1.00		
49	supplier price	Metal housing, IP54. Supply voltage: 400V AC. Control voltage: 24V DC and 230V AC (local), circuit breaker – short-circuit protection (D-curve for motors). Power contactor – rated for category AC-3 (minimum 18–25A for 7.5 kW). Thermal protection	set	1.00		

1	2	3	4	5	6	7
		relay – set to the motor’s rated current (approx. 15–16 A for 7.5 kW). Manual/automatic selector. Detection interface: output module (relay) and for monitoring the lines from the control panel. Visual indicators (LEDs) – voltage present / fan running / fault / thermal fault				
50	supplier price	Plastic housing for control circuit devices with 1 hole d=22.2 mm, IP41, D=55 mm, h=65 mm	pcs	5.00		
51	supplier price	Selector actuator – symmetrical head, 2 positions with locking 0 – I 45*, IP65, 230V	pcs	5.00		
52	supplier price	Enclosure for 4-module PLCs, IP40	pcs	5.00		
53	supplier price	NO-type auxiliary contact block, screw connection, 24 V DC / 230 V AC, 1.5 A	pcs	5.00		
54	supplier price	NC-type auxiliary contact block, screw connection, 24 V DC / 230 V AC, 1.5 A	pcs	5.00		
55	supplier price	Relay with 2 changeover contacts, coil voltage – 24 V DC, 8 A (per contact) with socket (pin type)	pcs	5.00		
56	supplier price	Magnetic contact detector (Reed switch) designed to prevent doors and windows from opening, in a plastic housing, with NO contact, surface-mounted, IP44, 24V DC	pcs	2.00		
57	supplier price	Electric drive with anodised aluminium chain for windows, for smoke extraction and ventilation, with mounting brackets. Stroke 600 mm. Supply voltage – 24V DC, 2.0 A per motor, IP 40. Push/pull force – maximum 600 N. Opening speed: – fire mode – 15 mm/s; – ventilation mode: 5 mm/s. EN 12101-2 certification	set	1.00		
58	supplier price	Electro-mechanical operating system for swing doors with a maximum weight of 125 kg, maximum width of 1100 mm, maximum opening angle of 115°, with LED indicator and presence sensor, made of anodised aluminium. Supply voltage – 230 V AC, 50 Hz; motor operating voltage – 24 V DC, 0.65 A per motor; IP 20. Opening speed: – fire mode – 80 mm/s. Supplied as a set with a slide and articulated lever rod	set	1.00		
		<i>Total</i>	lei			

1	2	3	4	5	6	7
		<i>Procurement and storage costs</i>	1.2%			
		Total machinery Including wages				
		4. Adjustment and commissioning work				
59	1-10-002-1	Signalling sector formation circuit (central, technical, local, emergency, warning, etc.)	1 sector	1.00		
60	1-10-001-1	Collection and processing of information signals from protection and automation devices for electrical and process systems	signal	12.00		
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total commissioning and start-up works Including wages				
		Total	lei			
		Total estimate: Including wages				

Prepared by

(position, signature, surname, first name)

Verified

(position, signature, surname, first name)

**Major renovation of the building and
modernisation of the “Ion Creanga” Primary
School in Falesti, cadastral number
4301220.066, as part of the EU/UNDP
Moldova Project: Improving Quality
Education and Opportunities**

(name of the project)

Form No. 7
WinCmeta

LOCAL QUOTATION No. 2-1-10

Telecommunications (0029/25-1-TS)

Prepared at current prices:

No. No.	Standard code and resource code	Works and expenditure	Unit of measureme nt	Quantity as per project data	Estimated value, lei	
					Per unit of measure incl. wages	Total incl. salary
1	2	3	4	5	6	7
		1. Construction works				
1	RpCU05F1	Drilling of holes for pipes or tie rods in stone or reinforced concrete walls 16–25 cm thick, for mechanised drilling	pcs	35.00		
2	RpCU05I1	Drilling of holes for pipes or tie rods in stone or reinforced concrete walls 26–50 cm thick, for mechanised drilling	pcs	16.00		
3	RpEJ09A	Filling of holes in walls with plaster mortar	pcs	51.00		
4	RpEJ08C	Cutting grooves up to 5 cm deep in stone or reinforced concrete walls, 5x50 cm ²	m	350.00		
5	RpEJ09D	Filling of grooves in walls up to 50 cmp	m	350.00		
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and storage costs</i>	%			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total construction works Including wages				
		2. Installation works				
6	08-02-409-1	Vinyl-plastic pipe on existing structures, on walls and columns, secured with clamps, diameter up to 25 mm	100 m	17.5		
7	supplier price	PE pipe D = 20 x 2.0 mm, PN8	linear metre	1,750.0		
8	08-02-409-2	Vinylplast pipe for installation on structures, walls and columns, secured with clamps, diameter up to 50 mm	100 m	0.40		
9	supplier	Rigid PVC pipe, d=50 mm	linear	40.00		

1	2	3	4	5	6	7
	price		metre			
10	08-02-396-6	Metal ductwork for walls and ceilings, length 3 m	100 m	2.10		
11	supplier price	Galvanised metal gutter, non-perforated, with cover, cross-section 100x50(h) mm	linear metre	210.00		
12	08-02-148-1	Cable up to 35 kV in conduits, blocks and installed boxes, weight per 1 m up to: 1 kg	100 m	19.40		
13	supplier price	Category 6 UTP cable, unshielded, for indoor use, with 4 pairs, with solid copper (CU) conductors of 23 AWG (0.57 mm); polyethylene sheath	linear metre	1,940.0		
14	supplier price	8-fibre optical fibre cable, SM, OS2, single-mode 9/125 ITU-T G.652.D LCS OS2 LSZH	linear metre	50.00		
15	supplier price	Category 5e UTP cable, unshielded, for indoor use, with 4 pairs, with 24 AWG (0.47 mm) solid copper (CU) conductors; polyethylene sheath	linear metre	225.00		
16	10-04-066-07	Wall-mounted fitting: RJ-45 socket with mounting box	pcs	26.00		
17	10-04-066-07	Wall-mounted unit: TV socket with mounting box	pcs	2.00		
18	10-04-066-07	Wall-mounted unit: RJ-11 socket with mounting box	pcs	2.00		
19	10-02-051-01	Cable connection points, length: up to 6 m	100 pcs	0.33		
20	10-06-037-04	19" floor-standing telecoms and networking rack cabinet	pcs	1.00		
21	10-04-030-04	Additional installation of parts in panels: Blank panels	pcs	3.00		
22	10-04-030-04	Additional installation of components in panels: 33U vertical cable management	pcs	2.00		
23	10-04-066-06	Block of 4 top-mounted fans with environmental monitoring (temperature and humidity sensors)	pcs	1.00		
24	10-02-040-02	Central unit: Aggregation switch	pcs	1.00		
25	10-04-066-04	ODF Panel (Cross FO)	pcs	1.00		
26	10-02-016-04	Mains switch	pcs	2.00		
27	10-04-066-04	19" 1U modular patch panel	pcs	4.00		
28	10-04-030-04	Additional installation of parts in panels: Cable organiser	pcs	1.00		
29	10-04-030-04	Additional installation of components in panels: PDU (Power distribution unit)	pcs	1.00		
30	10-08-003-03	Power supply and control unit – 19" UPS	pcs	1.00		
31	10-08-003-04	Ultrasonic devices: Wi-Fi access point	pcs	4.00		
32	10-04-066-04	Transceiver	pcs	1.00		
33	10-04-030-	Additional installation of parts in	pcs	1.00		

1	2	3	4	5	6	7
	04	panels: Shelf for 19" telecommunications cabinet				
34	10-04-030-04	Additional installation of parts in panels: TE mounting kit	pcs	2.00		
35	10-04-030-04	Additional installation of components in panels: 19" 3U RACK bracket for mounting 15 Krone-type sockets	pcs	1.00		
36	10-04-030-04	Additional installation of components in panels: LSA-PLUS 2/10 socket with normally closed contacts	pcs	1.00		
37	10-08-016-01	Single-sided electric room clocks: wall-mounted	pcs	3.00		
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and storage costs</i>	%			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total installation work Including wages				
		3. Plant				
38	supplier price	IP20 computer socket, 1-module RJ45 Cat.6, graphite, with mounting box and frame	pcs	26.00		
39	supplier price	IP20 computer socket, 2-module RJ45 Cat.6, graphite, with mounting box and frame	pcs	5.00		
40	supplier price	IP20 TV socket, graphite, with mounting box and frame	pcs	2.00		
41	supplier price	IP20 telephone socket, 1 RJ11 module, graphite with mounting box and frame	pcs	2.00		
42	supplier price	Patch cord, L=0.5 m, copper, UTP Cat.6	pcs	8.00		
43	supplier price	Patch cord, length 1.5 m, copper, UTP Cat 6	pcs	20.00		
44	supplier price	LC / SM duplex fibre patch cord, L=1.0 m	pcs	1.00		
45	supplier price	Patch cord, L=1.5 m, copper, UTP Cat. 5	pcs	5.00		
46	supplier price	19" 33U floor-standing telecoms and networking rack, 600x800 mm, supplied as a set including legs, castors, with glass front doors and perforated rear doors; with at least 6 x blank panels, featuring tool-less mounting, with 2 vertical cable management systems, fitted with a 4-fan unit on top with environmental monitoring (temperature and humidity sensors)	set	1.00		
47	supplier price	CRS310-1G-5S-4S+IN aggregation switch with pre-installed and licensed operating system, including free	set	1.00		

1	2	3	4	5	6	7
		software updates for the lifetime of the product, or a similar model () with equivalent specifications				
48	supplier price	ODF Panel (Cross FO), 19", 1U	pcs	1.00		
49	supplier price	Ethernet (LAN) network switch – 16 x 10/100/1000 Mbps, model TL-SG1016 made of stainless steel or similar in terms of specifications	set	1.00		
50	supplier price	Ethernet (LAN) network switch – 48 x 10/100/1000 Mbps, model TL-SG1048, made of black steel or similar in terms of specifications	set	1.00		
51	supplier price	24-port FTP Cat.6 patch panel, 19"	pcs	6.00		
52	supplier price	48-port FTP Cat.6 patch panel, 19"	pcs	2.00		
53	supplier price	Cable organiser – perforated with cover, horizontal, 19", 1U	pcs	1.00		
54	supplier price	PDU (Power Distribution Unit), 1U, 16A, 200–240V, 50/60Hz, Out-min. 8xCEE 7/3, In-UPS plug 1xIEC C19/C20, horizontal mounting for 19" rack, with safety button	pcs	1.00		
55	supplier price	UPS with battery units, 19", 2U, 2200 VA / 1980 W, Max. length/depth 530 mm, output: min. 6 x IEC C13 (10 A), min. 1 IEC C19 (16 A), input: min. 1 x IEC C20 (16 A) sockets, 220V/230V/240V	pcs	1.00		
56	supplier price	Outdoor Wi-Fi access point (IP66), 2 dual-band antennas, model GWN7660LR or similar in terms of specifications, including mounting hardware	set	1.00		
57	supplier price	Indoor Wi-Fi access point (IP4X), with 8 internal antennas, model GWN7664E or similar in terms of specifications, including mounting hardware	set	4.00		
58	supplier price	10 Gbps 1310 nm 10 km SFP+ transceiver, compatible with access switches and network switches	pcs	1.00		
59	supplier price	Shelf for 19" telecoms cabinet	pcs	1.00		
60	supplier price	TE threading set	pcs	5.00		
61	supplier price	19" 3U rack mount bracket for mounting 15 Krone-type sockets	pcs	1.00		
62	supplier price	LSA-PLUS 2/10 socket with normally closed contacts	pcs	1.00		
63	supplier price	X1SP-type IP telephone or similar, depending on specifications	pcs	2.00		
64	supplier price	Battery-powered mechanical wall clock with a dial diameter of 300 mm	pcs	3.00		
		<i>Total</i>	lei			
		<i>Procurement and storage costs</i>	%			
		Total machinery Including wages				

1	2	3	4	5	6	7
		4. Adjustment and commissioning work				
65	10-06-068-15	Adjustment of synchronous digital transmission systems. Adjustment of the control and switching system (): Configuration and adjustment of network components (aggregation switch)	pcs	1.00		
66	10-06-068-16	Adjustment of synchronous digital transmission systems. Adjustment of the control and routing system: Programming the network element and adjusting its operation (Network switch)	pcs	2.00		
67	10-06-068-11	Configuration of synchronous digital transmission systems: Configuration of Wi-Fi access point	pcs	4.00		
		Total	lei			
		Social security	24 %			
		Total				
		Overhead costs	%			
		Total				
		Budget surplus	%			
		Total commissioning and start-up work Including salary				
		Total	lei			
		Total estimate: Including wages				

Prepared by

(position, signature, surname, first name)

Verified

(position, signature, surname, first name)

**Major renovation of the building and
modernisation of the ‘Ion Creanga’ Secondary
School in Falesti, cadastral number
4301220.066, as part of the EU/UNDP
Moldova Project ‘Improving Quality
Education and Opportunities’**

(name of the project)

Form No. 7
WinCmeta

LOCAL QUOTATION No. 2-1-9

Video surveillance (0029/25-1-SPA)

Prepared at current prices:

No. No.	Symbols, standards and resource code	Works and expenditure	Unit of measureme nt	Quantity as per project data	Estimated value, lei	
					Per unit of measure incl. wages	Total incl. salary
1	2	3	4	5	6	7
		1. Construction works				
1	RpCU05F1	Drilling of holes for pipes or tie rods in stone or reinforced concrete walls 16–25 cm thick, for mechanised drilling	pcs	20.00		
2	RpCU05I1	Drilling of holes for pipes or tie rods in stone or reinforced concrete walls 26–50 cm thick, for mechanised drilling	pcs	8.00		
3	RpEJ09A	Filling of holes in walls with plaster mortar	pcs	28.00		
4	RpEJ08C	Cutting grooves up to 5 cm deep in stone or reinforced concrete walls, 5x50 cm ²	m	210.00		
5	RpEJ09D	Filling of grooves in walls up to 50 cmp	m	210.00		
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and storage costs</i>	%			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total construction works Including wages				
		2. Installation works				
6	08-02-390-1	Plastic ducts with covers, 15x10 mm cross-section, including all necessary fittings (elbows, plugs, tees, crosses, etc.)	100 m	2.00		

1	2	3	4	5	6	7
7	08-02-409-1	Vinyl-plastic pipe for installation on structures, walls and columns, secured with clamps, diameter up to 25 mm	100 m	9.00		
8	supplier price	Corrugated PVC pipe with probe, crush resistance 750 N, d = 20 mm	linear metre	900.00		
9	08-02-411-1	Metal hose, external diameter up to 48 mm	100 m	0.25		
10	supplier price	Flexible metal conduit with PVC insulation, D=25 mm	linear metre	25.00		
11	08-02-148-1	Cable up to 35 kV in conduits, blocks and installed boxes; weight per 1 m up to: 1 kg	100 m	13.95		
12	supplier price	Category 5e UTP cable, unshielded, for indoor use, with 4 pairs, with solid copper (CU) conductors of 24 AWG (0.47 mm); polyethylene sheath	linear metre	900.00		
13	supplier price	Category 5e UTP cable, unshielded, for outdoor use, 4-pair, with 24 AWG solid copper (CU) conductors, 0.5 mm in diameter. Double sheath: inner sheath of orange PVC + black polyethylene (PE). Twisted steel armour, 0.4 mm in diameter	linear metre	351.00		
14	08-03-592-1	Junction box with terminals	100 pcs	0.21		
15	supplier price	Aluminium alloy junction box for IP cameras, dimensions D=137 mm x 51.5 mm, max. load capacity 4.5 kg	pcs	16.00		
16	supplier price	Aluminium alloy junction box for IP cameras, dimensions D=88.5 mm x 36 mm, max. load capacity 4.5 kg	pcs	5.00		
17	10-04-067-23 applied	Video surveillance device – Indoor video camera	pcs	4.00		
18	10-04-067-23 applied	Video surveillance device - Outdoor video camera	pcs	1.00		
19	08-03-591-9	Flush-mounted socket, for concealed installation, including junction box for fitting appliances	100 pcs	0.01		
20	supplier price	Flush-mounted socket for concealed installation with earth connection, IP20, 16A, 230V, compatible with UPS or PDU	pcs	1.00		
21	10-04-087-14	Central heating equipment: Digital recording device	pcs	1.00		
22	10-04-030-04 fitted	Additional installation of parts on control desks and panels: 3.5” hard disk, 8TB	pcs	2.00		
23	10-04-066-04	19" 1U modular patch panel	pcs	1.00		

1	2	3	4	5	6	7
24	10-02-051-01	Cable connection points, length: up to 6 m	100 pcs	0.40		
25	10-02-016-04	POE+ switch	pcs	2.00		
26	10-04-067-21	32" LED monitor	pcs	1.00		
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and storage costs</i>	%			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total installation work Including wages				
		3. Plant				
27	supplier price	IP camera, 6MP resolution, ColorVu technology, indoor dome-shaped, with support for person detection, model DS-2CD1167G2H-LIUF or similar in terms of specifications	pcs	4.00		
28	supplier price	Acusense smart hybrid network camera, 6MP resolution, outdoor. Focus on person and vehicle classification based on deep learning, model DS-2CD2T63G2-4LI2U, or similar in terms of specifications	pcs	1.00		
29	supplier price	Network video recorder – 19" rack- - mounted 1.5U, model DS-7732NI-M4 NVR 1.5U 8K 32-channel or similar in terms of specifications	pcs	1.00		
30	supplier price	3.5" hard disk, 8TB, 245 Mb/s, SATA III (6Gbps)	pcs	2.00		
31	supplier price	Cat5e FTP modular patch panel, fully equipped with 24xRJ45 modules, 19", 1U	pcs	2.00		
32	supplier price	Patch cord, L=0.5 m, copper, UTP Cat. 5e	pcs	40.00		
33	supplier price	16-port PoE+ switch, model DS-3E1518P-EI/M or similar with equivalent specifications	pcs	1.00		
34	supplier price	24-port PoE+ switch, model DS-3E0326P-E or similar with equivalent specifications	pcs	1.00		
35	supplier price	32" LED monitor designed specifically for video surveillance systems, WIDE 16:9 aspect ratio, 1920x1080 Full HD, 178° viewing angle*. Interfaces: HDMI, VGA, Audio. Brightness 300 cd/m².	pcs	1.00		

1	2	3	4	5	6	7
		Contrast ratio 4000:1. Refresh rate 60 Hz. Built-in speakers 2 x 10W. VESA mount. Power supply: AC 220V, 50Hz				
		<i>Total</i>	lei			
		<i>Procurement and storage costs</i>	%			
		Total Equipment Including wages				
		4. Adjustment and start-up work				
36	10-06-068-14	Adjustment of the control and management system, installation of the operating system, provision of software	pcs	1.00		
37	1-10-002-1	Signalling sector formation circuit (central, technical, local, emergency, warning, etc.)	1 sector	1.00		
38	1-10-001-1	Collection and processing of information signals from protection and automation devices for electrical and process systems	signal	25.00		
		<i>Total</i>	lei			
		<i>Social security</i>	24 %			
		<i>Total</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Budget surplus</i>	%			
		Total commissioning and start-up works Including wages				
		Total	lei			
		Total estimate: Including wages				

Prepared by

(position, signature, surname, first name)

Verified

(position, signature, surname, first name)

**Major renovation of the building and
modernisation of the ‘Ion Creanga’ Secondary
School in Falesti, cadastral number
4301220.066, as part of the EU/UNDP
Moldova Project ‘Improving Quality
Education and Opportunities’**

(name of the project)

Form No. 7
WinCmeta

LOCAL QUOTATION No. 2-1-1

Architectural solutions (0029/25-1-SA)

Prepared at current prices:

No. No.	Regulation symbol and resource code	Works and expenditure	Unit of measureme nt	Quantity as per project data	Estimated value, lei	
					Per unit of measure incl. wages	Total incl. salary
1	2	3	4	5	6	7
		1. Demolition works 1.1. Internal demolition				
2	RpCO56A	Removal of: doors, existing PVC / timber / metal / aluminium glazing –	m ²	64.88		
9	RpCB18F	Par11. Demolition of old concrete using mechanical means – thermal insulation layer on the roof with screed up to the existing floor slab	m ³	18.46		
10	RpCB18F	Par1. Demolition by mechanical means of roof structures down to the floor slab or ground level	m ³	2.76		
11	RpCB18F	Par2. Mechanical demolition of roof structures down to the floor slab or ground level	m ³	23.59		
12	RpCK41A	Par3. Removal of plank flooring, including skirting boards	m ²	225.14		
13	RpCB18F	Par4. Mechanical demolition of flooring down to the floor slab or ground level	m ³	6.03		
14	RpCB18F	Par5. Mechanical demolition of roof structures down to the floor slab or ground level	m ³	13.01		
15	RpCK41D	Par6. Removal of laminate flooring, including skirting boards	m ²	269.88		
16	RpCB18F	Par6. Mechanical demolition of flooring down to the floor slab or ground level	m ³	69.59		
17	RpCK41D	Par7. Removal of laminate flooring, including skirting boards	m ²	89.94		
18	RpCB18F	Par7. Mechanical demolition of flooring down to the floor slab or ground level	m ³	63.35		

1	2	3	4	5	6	7
19	RpCB18F	Par8. Mechanical demolition of roof structures down to the floor slab or ground level	m ³	3.22		
20	RpCB18F	Par9. Mechanical demolition of roof structures down to the floor slab or ground level	m ³	4.79		
21	RpCB18F	Par10. Demolition using mechanical means of roof structures down to the floor slab or ground level	m ³	2.45		
22	RpCB18F	Par13. Mechanical demolition of roof structures down to the floor slab or ground level	m ³	6.40		
23	RpCB18F	Par17. Mechanical demolition of roof structures down to the floor slab or ground level	m ³	0.16		
24	RpCB18F	Par21. Mechanical demolition of roof structures down to the floor slab or ground level	m ³	0.77		
25	RpCB18F	Par22. Mechanical demolition of roof structures down to the floor slab or ground level	m ³	2.03		
26	RpCK42B	Pr1. Removal of cold mosaic flooring	m ²	193.00		
30	RpCB18G	Cam1. Demolition of old concrete using mechanical means, reinforced concrete	m ³	1.22		
31	RpCB18G	Per3. Demolition of a wall made of prefabricated concrete blocks, b=300 mm, using mechanical means, reinforced concrete	m ³	10.65		
33	RpCG29C1	Per6. Demolition by mechanical means of walls constructed of limestone blocks; for demolition by mechanical means	m ³	6.14		
34	RpCJ35A	Fin1. Removal of cracked interior plaster from walls, including the existing finish coat	m ²	927.55		
36	RpCJ35A	Removal of rough-finished interior plaster from ceilings, including the existing finish coat	m ²	620.91		
37	CB14A	Tubular metal scaffolding for work on vertical surfaces at heights up to and including 30 m, with the scaffolding in place for 25 days (200 hours)	m ²	2,430.00		
41	TsC35C1	Excavation and transport using a front-end loader, at loading distances of 0.5–0.99 m ³ to a tracked front-end loader, involving hard and very hard rock, up to 25 kg at a distance of < 10 m	100 m ³	1.20		
42	TsH92C	Loading of structural members, joinery, metal and timber	t	131.36		

1	2	3	4	5	6	7
43	TsI51A5	Transporting earth using a 10-tonne tipper lorry over a distance of: 5 km	t	248.00		
44	TsC51B	Work involved in unloading soil at the tip, Category II land	100 m ³	1.3		
		<i>Total</i>	lei			
		Total interior demolition Including salary				
		1.2. Taking shots				
45	DC04B	Cutting with a diamond disc saw	m	72.24		
46	RCsG32D	Demolition of masonry walls by breaking to create openings in the masonry	m ³	1.65		
47	DC04B	Cutting with a diamond disc saw	m	6.76		
48	RCsB28E	Demolition of old concrete using manual methods, precast slabs over 15 cm thick	m ³	0.09		
49	RCsB29I	Drilling through-holes in brick and stone masonry using a diamond core drill with a diameter of: 100 mm, L=500 mm, K=4.5 Labour coefficient = 4.5000 Materials coefficient = 4.5000 Machinery coefficient = 4.5000	pcs	4.00		
50	RCsB29N	Drilling through-holes in brick and stone masonry using a diamond core drill with a diameter of: 150 mm, L=500 mm, K=4.5 Labour coefficient = 4.5000 Materials coefficient = 4.5000 Machinery coefficient = 4.5000	pcs	12.00		
51	RCsB29S	Drilling through-holes in brick and stone masonry using a diamond core drill with a diameter of: 200 mm, L=500 mm, K=4.95 Labour coefficient = 4.9500 Materials coefficient = 4.9500 Equipment coefficient = 4.9500	pcs	6.00		
52	RCsB29S	Drilling through-holes in brick and stone masonry using a diamond core drill with a diameter of: 245 mm, L=500 mm, K=4.95 Labour coefficient = 7.4700 Materials coefficient = 7.4700 Machinery coefficient = 7.4700	pcs	1.00		
53	RCsB30N	Drilling through-holes in concrete structures up to grade 500, using a diamond core drill with a diameter of: 150 mm, L=220 mm, K=1.98 Labour coefficient = 1.9800 Materials coefficient = 1.9800 Equipment coefficient = 1.9800	pcs	4.00		
54	RCsB30O	Drilling through-holes in concrete structures up to grade 500, using a diamond core drill with a diameter of: 160 mm, L=220 mm, K=1.98 Labour coefficient = 1.9800	pcs	5.00		

1	2	3	4	5	6	7
		Materials coefficient = 1.9800 Equipment coefficient = 1.9800				
		<i>Total</i>	lei			
		Total Goal-scoring Including salary				
		<i>Total</i>	lei			
		Total Demolition work Including wages				
		2. Partitioning and compartmentalisation				
55	CF59F	Fin1, 2. Cladding of surfaces with a single layer of moisture-resistant PGC, 12.5 mm thick, on a simple metal frame clad with a single layer of PGC, up to a height of 4 m: window sills Miscellaneous materials (water, sandpaper, etc.) = 1.0050	m ²	88.40		
56	CD60C	Per4. Brickwork, 250 x 120 x 65 mm bricks, using M-50 mortar prepared on site, for reinforced partition walls with a thickness of half a brick, up to a height of 4 metres	100 m ²	0.95		
57	IzF20D	Per4. Sealing of expansion and settlement joints in floors, walls and reinforced concrete structures, by partially filling the voids, either outwards or inwards, with 20 mm thick standard cellular polystyrene boards, fixed with acrylic sealant	m	146.25		
58	CD65J	Items 5, 6, 7. Brickwork, 250 x 120 x 65 mm bricks for infilling the frame, with mortar M-25 prepared by hand, storey height up to 4 m	m ³	3.27		
59	CD70C	Per 13, 14. Course-by-course masonry using limestone blocks (cotilet) for walls, with mortar M-50 prepared by hand, storey height up to 4 m	m ³	2.20		
60	CD72B	Flat partition walls made of 12.5 mm thick moisture-resistant PGC, 100 mm thick, on a simple metal frame with a single layer of PGC plywood on both sides, with insulation, up to 4 m high Miscellaneous materials (water, rags, etc.) = 1.0050	m ²	18.04		
		<i>Total</i>	lei			
		Total Enclosures and Partitions Including wages				
		3. Joinery 3.1. Windows				
62	CK57E	Installation of aluminium-framed window units, RAL9005, triple-	m ²	31.09		

1	2	3	4	5	6	7
		glazed safety glass (2 chambers) with UV protection, overall thermal coefficient $U_w \leq 1.5 \text{ W/m}^2\text{K}$, in 2 tilt-and-turn sashes				
98	CK26C	Window sills fitted to windows, made of MDF with a laminate finish (Werzalit type or similar), 400 mm wide, including the application of film to the sides of the sills; colour to be agreed with the Client	m	46.69		
99	CK26B	Window sills made of RAL9005 aluminium, 280 mm wide (total width 300 mm)	m	46.69		
100	CK32B	Mini horizontal blinds for windows, made of anodised aluminium, including fittings (J11 – J116)	m ²	31.40		
		<i>Total</i>	lei			
		Total Windows Including wages				
		3.2. Internal and external doors				
102	CK03A	Single-leaf interior doors. The 40 mm thick door leaf has the following characteristics: core – stabilising honeycomb; door leaf finish – HPL laminate, natural ash wood effect, RAL 1014, coated with matt varnish; smooth surface, with a 1 mm stainless steel protective plate at the bottom and a set of stainless steel door handles with an anodised aluminium frame, laminated glass 3.1.3. Door frame material – corner steel, 100 mm profile, electrostatic powder-coated in RAL 7044; - at least 3 hinges per leaf, - lock, handles; - threshold with a maximum height of 20 mm) (Interior door with 40 mm laminated plywood panel, metal frame + 4+4 mm triplex glass, with satin-finish stainless steel plate, UI)	m ²	32.52		
128	CK12A	Exterior metal doors RAL9010, with a 76 mm thick door leaf and a 110 mm thick frame, made from 1.5–1.8 mm thick rolled steel profiles, thermally insulated with basalt wool, including all necessary fittings and accessories for the doors, heat transfer coefficient $U_w 1.4 \text{ W(m}^2 \cdot \text{K)}$ ($U_{ext1} - 800 \times 1500 \text{ (h) mm} - 1 \text{ unit}$)	m ²	21.20		
		<i>Total</i>	lei			

1	2	3	4	5	6	7
		Total interior and exterior doors Including wages				
144	CK22C	Interior glass partitions made from RA9005 aluminium profiles, with transparent, single-chamber safety glass (2 panes), comprising fixed panels (5) and a double-leaf door measuring 1780 x 2230 (h) mm, fitted with a handle with rosette, a Yalle-type lock and a panic bar (V1, V2 – 2890 x 3180 (h) mm – 2 units)	m ²	18.38		
145	CK22C	Interior glass partitions made from RA9005 aluminium profiles, with single-chamber (2-pane) transparent safety glass, comprising fixed panels (4) and a double-leaf door measuring 1830 x 2340 (h) mm, fitted with a handle with rosette, a Yalle-type lock and a panic bar (V3 – 2180 x 3000 (h) mm – 1 unit)	m ²	6.54		
146	CK22C	Interior glass partitions made from RA9005 aluminium profiles, with transparent, single-chamber (2-pane) safety gl , comprising fixed panels (9) and a single-leaf door panel measuring 980 x 2380 (h) mm, fitted with a handle with rosette, a Yalle-type lock and a panic bar (V5 – (2640 + 1800) x 3200 (h) mm – 1 unit)	m ²	14.21		
147	CK22C	Interior glass partitions made from RA9005 aluminium profiles, with single-chamber (2-pane) transparent safety glass, comprising fixed panels (9) and a single-leaf door panel measuring 980 x 2550 (h) mm, fitted with a handle with rosette, a Yalle-type lock and a panic bar (V7 – 2840 x 3300 (h) mm – 1 unit)	m ²	9.38		
148	CK22C	Interior glass partitions made from RA9005 aluminium profiles, with single-chamber (2-pane) transparent safety glass, comprising five fixed panels and a double-leaf door measuring 1780 x 2400 (h) mm, fitted with a handle with rosette, a Yalle-type lock and a panic bar (V8 – 2890 x 3300 (h) mm – 1 unit)	m ²	9.54		
149	CK22C	Interior glass partitions made from RA9005 aluminium profiles, with single-chamber (2-pane) transparent safety glass, comprising five fixed	m ²	9.48		

1	2	3	4	5	6	7
		panels and a double-leaf door measuring 1780 x 2400 (h) mm, fitted with a handle with rosette, a Yalle-type lock and a panic bar (V9 – 2890 x 3280 (h) mm – 1 unit)				
		<i>Total</i>	lei			
		Total Stained-glass windows Including salary				
		<i>Total</i>	lei			
		Total Joinery Including wages				
		4. Interior finishing 4.1. Flooring 4.1.1. Par1				
164	CG56A	Self-levelling floor screed: thickness 10 mm Filler material (expanded polystyrene for movement joints, patches, reference points) = 1.0050	m ²	9.52		
165	CG56A1 k=8	Correction to standard CG56A: reduce to 1 mm thickness: Labour coefficient = 8.0000 Materials coefficient = 8.0000 Machinery coefficient = 8.0000	m ²	-9.52		
166	CN53A	Priming of surfaces with primer for non-absorbent surfaces	m ²	9.52		
167	CG50B	Laying of porcelain stoneware floor tiles for indoor use, measuring 600 × 600 × 9 mm, fixed using adhesive for indoor works. Slip resistance / abrasion resistance class: - R12 / PEI4. Colour – to be agreed with the project designer and the Client	m ²	9.52		
		<i>Total</i>	lei			
		Total Part 1 Including salary				
		4.1.2. Part 2				
168	CG56A	Self-levelling floor screed: thickness 10 mm Filler material (expanded polystyrene for movement joints, patches, reference points) = 1.0050	m ²	9.96		
169	CG56A1 k=5	Correction to standard CG56A: reduce to 1 mm thickness: Labour coefficient = 5.0000 Materials coefficient = 5.0000 Machinery coefficient = 5.0000	m ²	-9.96		
170	CN53A	Priming of surfaces with primer for non-absorbent surfaces	m ²	9.96		
171	CG50B	Laying of porcelain stoneware floor tiles for indoor use, measuring 600 × 600 × 9 mm, fixed using adhesive for indoor works. Slip resistance / abrasion resistance class: - R12 /	m ²	9.96		

1	2	3	4	5	6	7
		PEI4. Colour – to be agreed with the project designer and the Client				
		<i>Total</i>	lei			
		Total Part 2 Including salary				
		4.1.3. Par3				
172	TsD05B	Preparation of the sub-base H=300 mm. Compaction using a 150–200 kg mechanical tamper of the fill in successive layers 20–30 cm thick, excluding the wetting of each individual layer; the fill is to be made of cohesive soil. Soil density > 1.70 tn/m ³	100 m ³	0.04		
173	TsD14A01	Mechanical watering of the soil layers using a 5–8 t water tanker fitted with a sprinkler system, to ensure the moisture content required for mechanical compaction, as well as for watering surfaces for other purposes	m ³	0.40		
174	IzF04J1	Waterproofing layer made of non-woven geotextile with a specific weight of 200 g/m ² , single-layer, laid with unsealed overlaps	m ²	11.19		
175	TsC54C	Gravel base layer	m ³	1.12		
176	CA04B3	Concrete cast in slabs, beams and columns, mixed on site using a concrete mixer and poured using conventional methods; reinforced concrete, class C 15/12 (Bc 15/B 200), at heights up to and including 35 m Small items (softwood boards, nails, staples) = 1.0300	m ³	1.12		
177	CC03C	Installation of welded steel mesh for concrete, d = 5.0 mm, mesh size 150 × 150 mm, on slabs	kg	23.50		
178	CG01A	Sub-base for flooring made of 3 cm thick M 100-T cement mortar with a finely trowelled finish	m ²	11.19		
179	CG01A1 k=4	An additional or reduced value for every 0.5 cm of the M 100-T mortar base course () is added: K=4 Labour coefficient = 4.0000 Materials coefficient = 4.0000 Equipment coefficient = 4.0000	m ²	11.19		
180	CG56A	Self-levelling floor screed: thickness 10 mm Small-sized material (expanded polystyrene for movement joints, patches, reference points) = 1.0050	m ²	11.19		
181	CG56A1 k=5	Correction to standard CG56A: reduce to 1 mm thickness: Labour coefficient = 5.0000	m ²	-11.19		

1	2	3	4	5	6	7
		Materials coefficient = 5.0000 Machinery coefficient = 5.0000				
182	CN53A	Priming of surfaces with primer for non-absorbent surfaces	m ²	11.19		
183	CG50B	Laying of porcelain stoneware flooring, for outdoor use, measuring 600x600x9 mm, fixed using adhesive suitable for outdoor work. Slip resistance / abrasion resistance class: - R12 / PEI4. Colour – to be agreed with the project designer and the Client	m ²	11.19		
		<i>Total</i>	lei			
		Total Par3 Including salary				
		4.1.4. Par3.2				
184	TsD05B	Preparation of the sub-base H=300 mm. Compaction using a 150–200 kg mechanical tamper of the fill in successive layers 20–30 cm thick, excluding the wetting of each individual layer; the fill is to be made of cohesive soil. Soil density > 1.70 tn/m ³	100 m ³	0.023		
185	TsD14A01	Mechanical watering of the soil layers using a 5–8 t water tanker fitted with a sprinkler system, to ensure the moisture content required for mechanical compaction, as well as for watering surfaces for other purposes	m ³	0.23		
186	IzF04J1	Waterproofing layer made of non-woven geotextile with a specific weight of 200 g/m ² , single-layer, laid with unsealed overlaps	m ²	7.65		
187	TsC54C	Gravel base layer	m ³	0.77		
188	CA04B3	Concrete cast in slabs, beams and columns, mixed on site using a concrete mixer and poured using conventional methods; reinforced concrete, class C 15/12 (Bc 15/B 200), at heights up to and including 35 m Small items (softwood boards, nails, staples) = 1.0300	m ³	0.77		
189	CC03C	Installation of welded steel mesh for concrete, d = 5.0 mm, mesh size 150 × 150 mm, on slabs	kg	16.07		
190	CG01A	Sub-base for flooring made of 3 cm thick M 100-T cement mortar with a finely trowelled finish	m ²	7.65		

1	2	3	4	5	6	7
191	CG01A1 k=4	An additional or reduced value for every 0.5 cm of the M 100-T mortar base course () is added: K=4 Labour coefficient = 4.0000 Materials coefficient = 4.0000 Equipment coefficient = 4.0000	m ²	7.65		
192	CG56A	Self-levelling floor screed: thickness 10 mm Small-sized material (expanded polystyrene for movement joints, patches, reference points) = 1.0050	m ²	7.65		
193	CG56A1 k=5	Correction to standard CG56A: reduce to 1 mm thickness: Labour coefficient = 5.0000 Materials coefficient = 5.0000 Machinery coefficient = 5.0000	m ²	-7.65		
194	CN53A	Priming of surfaces with primer for non-absorbent surfaces	m ²	7.65		
195	CG50B	Laying of porcelain stoneware flooring, for outdoor use, measuring 600x600x9 mm, fixed using adhesive suitable for outdoor work. Slip resistance / abrasion resistance class: - R12 / PEI4. Colour – to be agreed with the project designer and the Client	m ²	7.65		
		<i>Total</i>	lei			
		Total Par 3.2 Including salary				
		4.1.5. Par4				
196	CN53A	Priming of surfaces with primer for non-absorbent surfaces	m ²	499.40		
197	CG01A	Sub-base for flooring made of 3 cm thick M 100-T cement mortar with a finely trowelled finish	m ²	499.40		
198	CG56A	Self-levelling floor screed: thickness 10 mm Small-sized material (expanded polystyrene for movement joints, patches, reference points) = 1.0050	m ²	499.40		
199	CG56A1 k=8	Correction to standard CG56A: reduce to 1 mm thickness: Labour coefficient = 8.0000 Materials coefficient = 8.0000 Machinery coefficient = 8.0000	m ²	-499.40		
200	CG49A	Installation of homogeneous, antibacterial, antifungal, chemically resistant (EN 423) PVC carpet flooring, 2.0 mm thick, with the following characteristics: - Class 34/43 (EN 685); - Fire classification – Bfl-S1 (EN 13501-1); - Abrasion class – T (EN 649); - Electrical resistance – < 2 kV (EN 1815); - Slip resistance – R9 (DIN 51130); -	m ²	499.40		

1	2	3	4	5	6	7
		Dimensional stability – < 0.40 % (EN 434); Small particles (scraps) = 1.0050				
		<i>Total</i>	lei			
		Total Par4 Including salary				
		4.1.5. Par7.2				
240	TsC54C	Gravel base layer	m ³	12.63		
241	CA04B3	Concrete cast in slabs, beams and columns, mixed on-site using a concrete mixer and poured using conventional methods; reinforced concrete, class C 15/12 (Bc 15/B 200), at heights up to and including 35 m Small items (softwood boards, nails, staples) = 1.0300	m ³	12.63		
242	IzF53A	Manual installation of the floor sub-base with a thermal insulation layer comprising extruded polystyrene (XPS) boards, density 28–35 kg/m ³ , thickness 50 mm, in a single layer Small components (metal bars D = 6–8 mm, length 400 mm) = 1.0150	m ²	126.32		
243	CG01A	Sub-base for flooring made of 3 cm thick M 100-T cement mortar with a finely trowelled finish	m ²	126.32		
244	CC03C	Installation of welded steel mesh for concrete, d = 5.0 mm, mesh size 150 × 150 mm, on slabs	kg	265.28		
245	CG01A1 k=4	Adjustment (up or down) for every 0.5 cm of M 100-T mortar substrate; add K=4 Labour coefficient = 4.0000 Materials coefficient = 4.0000 Equipment coefficient = 4.0000	m ²	126.32		
246	CG56A	Self-levelling floor screed: thickness 10 mm Small-sized material (expanded polystyrene for movement joints, patches, reference points) = 1.0050	m ²	126.32		
247	CG56A1 k=8	Correction to standard CG56A: reduce to 1 mm thickness: Labour coefficient = 8.0000 Materials coefficient = 8.0000 Machinery coefficient = 8.0000	m ²	-126.32		
248	CG49A	Installation of PVC flooring with a heterogeneous, antibacterial, chemical-resistant protective layer for sports hall floors, 8 mm thick, with the following characteristics: - Shock absorption (EN 14808) – 38%; - Coefficient of friction (DIN 18032) – 0.4–0.6; - Ball rebound (EN 12235) – ≥ 96%; - Vertical deformation (EN 14809) – 1.9 mm; - Abrasion	m ²	126.32		

1	2	3	4	5	6	7
		resistance (EN ISO 5470-1) – 0.20; - Impact resistance (EN 1517) – ≥ 12 ; - Dimensional stability (EN 434) – $< 0.1\%$ Small pieces (scraps) = 1.0050				
		<i>Total</i>	lei			
		Total Par7.2 Including salary				
		<i>Total</i>	lei			
		Total Skirting boards Including wages				
		4.1.26. Seismic-resistant profiles				
338	CK18B	Installation of brass expansion profile and sealing with rubber tape, total width 203 mm	m	37.14		
		<i>Total</i>	lei			
		Total seismic reinforcement Including salary				
		<i>Total</i>	lei			
		Total Flooring Including wages				
		4.2. Wall and window sill cladding				
339	CN53A	Priming of surfaces with primer for non-absorbent surfaces	m ²	927.25		
340	CC03A	Fitting of welded mesh, d=4.0 mm, mesh size 150x150 mm, to walls	kg	1 175.59		
341	CF02B application	2 cm thick interior plaster, rough- textured, applied by hand to walls or pillars, on flat surfaces using M 100- T cement mortar for the base coat, primer and finish coat, on brickwork or small concrete blocks	m ²	927.25		
342	CF17B k=2	Miscellaneous works – difference in thickness, +5 mm for the primer coat applied to walls, carried out with M100 mortar (thickness 30 mm) Labour coefficient = 2.0000 Materials coefficient = 2.0000 Equipment coefficient = 2.0000	m ²	588.00		
343	CF17B k=6	Miscellaneous works – difference in thickness, +5 mm for the primer coat applied to the walls, carried out using M100 mortar (thickness 50 mm) Labour coefficient = 6.0000 Materials coefficient = 6.0000 Equipment coefficient = 6.0000	m ²	71.26		
344	CF17B	Miscellaneous works – thickness variation, ± 5 mm in the primer coat applied to the walls, laid with mortar (thickness 80 mm) Labour coefficient = 12.0000 Materials coefficient = 12.0000 Equipment coefficient = 12.0000	m ²	155.99		

1	2	3	4	5	6	7
		<i>Total</i>	lei			
		Total Wall and window sill cladding Including wages				
		4.3. Wall finishes 4.3.1. Type 1				
345	CN53A	Priming of surfaces with primer for absorbent surfaces	m ²	927.00		
346	CF18C	Wall cladding with plasterboard panels, 12.5 mm thick, fitted to brickwork or concrete blocks in rooms with high humidity Small-sized material = 1.0200	m ²	68.50		
347	CF50A	5 mm thick interior plasterwork, applied by hand using a dry gypsum-based mix, on walls and partition walls; mechanical preparation of the mortar.	m ²	68.50		
348	CF17C	Layer of fibreglass reinforcement mesh, weight 80 g/m ² , applied as part of the dry-mix plaster	m ²	68.50		
349	CF51A	Difference (positive or negative) for every 1.0 mm of dry plaster-based mixture; add Ksal=1; Kmat=Kut=3 Material coefficient = 3.0000 Equipment coefficient = 3.0000	m ²	68.50		
350	CF57A	Manual application of 1.0 mm thick gypsum-based skim coat to the surfaces of walls, window sills, columns and ceilings	m ²	927.00		
351	CF56A	Manual application of interior finishing plaster, 0.5 mm thick, to the surfaces of walls, window sills, columns and ceilings	m ²	927.00		
352	CN53A	Priming of surfaces with a primer for absorbent surfaces, compatible with the paint coat	m ²	927.00		
353	CN06A	Interior painting with super-washable, matt paint, based on aqueous dispersions of acrylic-styrene copolymers, pigments, fillers and specific additives, RAL non-white with added colourant, applied in two coats to existing skim coat, carried out by hand	m ²	927.00		
		<i>Total</i>	lei			
		Total Type 1 Including salary				
		4.3.2. Type 2				
354	CN53A	Priming of surfaces with primer for absorbent surfaces	m ²	83.50		

1	2	3	4	5	6	7
355	CF18C	Wall cladding with plasterboard panels, 12.5 mm thick, fitted to brickwork or concrete blocks in rooms with high humidity Small-sized material = 1.0200	m ²	83.50		
356	CN53A	Priming of surfaces with primer for absorbent surfaces	m ²	67.00		
357	CI22B	Tiling of walls, including window sills, with the tile edges cut at a 45° angle, using matt, rectified ceramic tiles measuring 600 × 1200 × 9 mm, of the Goldoni Grigio type or similar Small materials (scraps, discs) = 1.0100	m ²	67.00		
		<i>Total</i>	lei			
		Total Type 2 Including salary				
		4.3.7. Finishing of interior window sills				
381	CN53A	Priming of surfaces with primer for absorbent surfaces	m ²	71.06		
382	CF50A	5 mm thick interior plasterwork, applied by hand using a dry gypsum-based mix, on walls and partition walls; mechanical preparation of the mortar.	m ²	71.06		
383	CF17C	Layer of fibreglass reinforcement mesh, weight 80 g/m ² , applied as part of the dry-mix plaster	m ²	71.06		
384	tender price	Aluminium edge profile with mesh	m	87.40		
385	CF57A	Manual application of 1.0 mm thick gypsum-based filler to the surfaces of walls, window sills, columns and ceilings	m ²	71.06		
386	CF56A	Manual application of interior finishing plaster, 0.5 mm thick, to the surfaces of walls, window sills, columns and ceilings	m ²	71.06		
387	CN53A	Priming of surfaces with a primer for absorbent surfaces, compatible with the paint coat	m ²	71.06		
388	CN06A	Interior painting with washable paint based on aqueous dispersions of acrylic-styrene copolymers, pigments, fillers and specific additives, RAL9010, applied in two coats to existing skim coat, carried out by hand	m ²	71.06		
		<i>Total</i>	lei			
		Total for interior window sill finishing Including wages				
		<i>Total</i>	lei			

1	2	3	4	5	6	7
		Total Wall finishing Including wages				
		4.4. Ceilings 4.4.3. TS-3 (Armstrong-type suspended ceiling)				
414	CN53A	Priming of surfaces with primer for absorbent surfaces	m ²	620.18		
415	CK29F	Suspended coffered ceiling, including the grid system. Panel specifications: - dimensions: 600 × 600 × 12 mm. RAL 9003; - sound absorption class A; - fire resistance class EN 13510-1 (flame- retardant); - moisture resistance class C (95%).	m ²	620.18		
		<i>Total</i>	lei			
		Total TS-3 (Armstrong-type suspended ceiling) Including salary				
		<i>Total</i>	lei			
		Total Ceilings Including wages				
		4.5. Other works				
416	CH06A	Stainless steel stair railing (including handrail) mounted on 90 cm high supports, spaced at intervals of 1...1.2 m and fitted with washers, secured to the concrete parapet, made from stainless steel tubing, straight	m	36.20		
417	CH06A	Staircase handrail, made of stainless steel (including handrail), mounted on 120 cm high supports, spaced at intervals of 1...1.2 m and fitted with washers, secured to the concrete parapet, made from stainless steel tubing, straight	m	23.81		
		<i>Total</i>	lei			
		Total Other works Including salary				
		<i>Total</i>	lei			
		Total Interior finishing Including wages				
		5. Exterior finishes 5.4. Basement canopies				
478	DE16A	Installation of a 156x550x350 (h) mm collector chamber with connections to pipes with diameters of 110–160 mm, with a leaf guard, a galvanised metal grate in slots, load class A15, and 2 transition pieces included in the set	pcs	5.00		

1	2	3	4	5	6	7
479	AcA08A	PVC SN4 SDR41 sewer pipe, D=110x3.2 mm, sealed with rubber gaskets Small items (water, soap paste)=1.0050	m	10.00		
480	AcF03A	Backfill in trenches for pipes as a sub-base, carried out using a sand- gravel mix	m ³	1.50		
481	CE18B application	Cop1. 10 mm thick safety glass cover, secured with stainless steel brackets; dimensions LxW: 2700 x 1850 mm (assembly 8100 x 1850 mm – 1 piece) Small parts (spacers, bolts and nuts, wood screws, etc.) = 1.0500	pcs	3.00		
482	CE18B application	Cop2. Emergency exit hatch made of 10 mm thick safety glass, with a key- operated latch on the outside and a ball latch on the inside, secured with stainless steel brackets; dimensions LxW: 2120x1050 mm (assembly 2120x1050 mm – 1 piece) Small parts (spacers, bolts and nuts, wood screws, etc.) = 1.0500	pcs	1.00		
483	CE18B application	Cop3. 10 mm thick safety glass canopy, secured with stainless steel brackets, dimensions LxW: 2450 x 1050 mm (assembly 4900 x 1050 mm – 3 pcs) Small parts (spacers, bolts and nuts, wood screws, etc.) = 1.0500	pcs	6.00		
		<i>Total</i>	lei			
		Total Basement awnings Including wages				
		5.5. External staircases				
484	CG56A	Adhesive levelling screed for external works: thickness 10 mm Small-sized material (expanded polystyrene for movement joints, patches, reference points) = 1.0050	m ²	85.87		
485	CI24A	Tiling of steps with porcelain tiles, for external use, dimensions 600x600x9 mm, fixed using adhesive for external works. Slip resistance / abrasion resistance class: - R12 / PEI4. Colour – to be agreed with the project designer and the Client	m ²	85.87		
486	CK18C	Installation of stainless steel step profile with anti-slip strip	m	192.60		
		<i>Total</i>	lei			
		Total External staircases Including wages				
		<i>Total</i>	lei			
		Total External finishes Including wages				

1	2	3	4	5	6	7
		Total	lei			
		Social security	24 %			
		Transport costs	%			
		Procurement and storage costs	%			
		Total				
		Overhead costs	%			
		Total				
		Budget surplus	%			
		Total estimate: Including salary				

Prepared by

_____ (position, signature, surname, first name)

Verified

_____ (position, signature, surname, first name)

**Major renovation of the building and
modernisation of the 'Ion Creanga' Secondary
School in Falesti, cadastral number
4301220.066, as part of the EU/UNDP
Moldova Project 'Improving Quality
Education and Opportunities'**

(name of the project)

Form No. 7
WinCmeta

LOCAL QUOTATION No. 2-1-2

Construction solutions (0029/25-C)

Prepared at current prices:

No. No.	Standard code and resource code	Works and expenditure	Unit of measureme nt	Quantity as per project data	Estimated value, lei	
					Per unit of measure incl. wages	Total incl. salary
1	2	3	4	5	6	7
		1. Earthworks				
1	TsC61B	Mechanical earthworks using an excavator fitted with a 'reverse bucket' with a bucket capacity of 0.15 m ³ , with material discharged into a tipper lorry, for repair, reconstruction or restoration works: Category 2 land	100 m ³	11.98		
2	TsI51A5	Transport of soil by a 10-tonne tipper lorry over a distance of: 5 km	t	1,976.70		
3	TsC51B	Work involved in unloading soil at the tip, Category II land	100 m ³	11.98		
4	RCsA01A	Manual earthworks in confined spaces, less than 1.00 m wide and up to 1.5 m deep, with vertical slopes, for polygonal foundation pits, trenches, channels, etc., carried out in quantities of up to 20 m ³ at a single work site with unsupported banks	m ³	152.85		
5	supplier price	Cost of sandy clay for the earth cushion	m ³	992.00		
6	TsD02A1	Spreading of screened soil from Category I or II land, carried out using a tractor-mounted bulldozer with a 65–80 CP crawler track, in layers 15–20 cm thick	100 m ³	9.92		
7	TsD01C	Spreading of screened soil by shovel, in uniform layers 10–30 cm thick, by throwing it up to 3 m from heaps, including the breaking up of clods; the soil comes from hard ground	m ³	152.85		

1	2	3	4	5	6	7
8	TsD05B	Compaction using a 150–200 kg mechanical tamper of the fill in successive layers 20–30 cm thick, excluding the wetting of pcs individual layer; the fill consists of cohesive soil. Soil density > 1.70 tn/m ³	100 m ³	11.44		
9	TsD14A01	Mechanical watering of soil layers using a 5–8 t water tanker fitted with a sprinkler system, to ensure the moisture content required for mechanical compaction, as well as for watering surfaces for other purposes	m ³	114.40		
		<i>Total</i>	lei			
		Total Earthworks Including wages				
		8. External staircase providing access to the courtyard, axis C				
85	TsC54C	Gravel foundation layer	m ³	1.65		
86	CB03B	Formwork made from reusable panels, with 15 mm plywood for casting concrete on vertical surfaces, straight walls up to and including 6 m in height, with shoring included	m ²	69.30		
87	CC02M	A240 reinforcing steel, cut to size on site, with bar diameters up to 8 mm, and installed in slabs, at heights less than or equal to 35 m, excluding structures constructed using sliding formwork	kg	71.00		
88	CC02N2	A500C reinforcing steel bars cut on site, with bar diameters greater than 8 mm, and installed in panels at heights of 35 m or less, excluding structures built using sliding formwork	kg	292.80		
89	CL57B	Installation and fixing of corrosion-protected embedded parts in monolithic reinforced concrete: Anchor block (PI20, PI10, 1, 2, 3, Blon M20x110 with 2 M20 nuts and 1 M20 washer) Small parts and fitting materials (grease, rags, petrol, etc.) = 1.0100	kg	203.50		
90	CA05E	Concrete cast in various special structures, situated above ground level, ready-mixed concrete, cast using conventional methods, reinforced concrete class C20/25 Small items (softwood boards, nails, staples) = 1.0300	m ³	12.64		
91	CL10C	Metal structures supplied in ready-made sub-assemblies, up to 35 m in	t	0.818		

1	2	3	4	5	6	7
		height, weighing up to 0.150 t, assembled by welding				
92	IzD10C	Anti-corrosion painting by hand brush of metal fabrications and structures with one coat of GF-021 primer and two coats of PF-115 enamel, for metal fabrications and structures made from sections with thicknesses up to and including 7 mm	t	0.818		
		<i>Total</i>	lei			
		Total External staircase, courtyard access, axis C Including salary				
		9. External staircase providing access to the canteen, axis 7				
93	TsC54C	Gravel foundation layer	m ³	1.65		
94	CB03B	Formwork made from reusable panels, with 15 mm plywood for casting concrete on vertical surfaces, straight walls up to and including 6 m in height, with shoring included	m ²	71.70		
95	CC02M	A240 reinforcing steel, cut to size on site, with bar diameters up to 8 mm, and installed in slabs, at heights less than or equal to 35 m, excluding structures constructed using sliding formwork	kg	17.70		
96	CC02N2	A500C reinforcing steel bars cut on site, with bar diameters greater than 8 mm, and installed in panels at heights of 35 m or less, excluding structures built using sliding formwork	kg	52.80		
97	CL57B	Installation and fixing of corrosion-protected embedded parts in monolithic reinforced concrete: M16 anchor block with nuts and washers Small parts and fitting materials (grease, rags, petrol, etc.) = 1.0100	kg	38.20		
98	CA05E	Concrete cast in various special structures, situated above ground level, ready-mixed concrete, cast using conventional methods, reinforced concrete class C20/25 Small items (softwood boards, nails, staples) = 1.0300	m ³	5.10		
99	CL10C	Metal structures supplied in ready-made sub-assemblies, up to 35 m in height, weighing up to 0.150 t, assembled by welding	t	0.626		
100	IzD10C	Anti-corrosion painting with a brush () of metal fabrications and structures, using one coat of GF-021 primer and two coats of PF-115	t	0.626		

1	2	3	4	5	6	7
		enamel, for metal fabrications and structures made from profiles with thicknesses up to and including 7 mm				
		<i>Total</i>	lei			
		Total External staircase to canteen, Axis 7 Including salary				
		10. External staircase to canteen, Axis 10				
101	TsC54C	Gravel foundation layer	m ³	1.65		
102	CB03B	Formwork made from reusable panels, with 15 mm plywood for casting concrete on vertical surfaces, straight walls up to and including 6 m in height, with shoring included	m ²	24.58		
103	CC02M	A240 reinforcing steel, cut to size on site, with bar diameters up to 8 mm, and installed in slabs, at heights less than or equal to 35 m, excluding structures constructed using sliding formwork	kg	59.30		
104	CC02N2	A500C reinforcing steel bars cut on site, with bar diameters greater than 8 mm, and installed in panels at heights of 35 m or less, excluding structures built using sliding formwork	kg	17.30		
105	CA05E	Concrete cast in various special structures, situated above ground level; ready-mixed concrete; cast using conventional methods; reinforced concrete, class C20/25 Small items (softwood boards, nails, staples) = 1.0300	m ³	3.48		
		<i>Total</i>	lei			
		Total External staircase to canteen Axa10 Including salary				
		11. External staircase providing access to the library, axis 10				
106	CB03E	Formwork made from reusable panels, with 15 mm plywood, for casting concrete slabs and beams in structures up to and including 20 m in height, excluding supports	m ²	78.40		
107	CB11A	Supports with extendable props from stock, used for the installation of precast slabs and precast floor panels, for the casting of partially or fully monolithic floor slabs with beams, or for monolithic beams with precast floor slabs of type PE 3100 R	pcs	48.00		

1	2	3	4	5	6	7
108	CC02K	A240 reinforcing steel, cut to size on site, with bar diameters up to and including 8 mm, and installed in beams and columns, at heights less than or equal to 35 m, excluding structures constructed using sliding formwork	kg	47.80		
109	CC02M2	A500C concrete steel reinforcement, cut to size on site, with bar diameters up to and including 8 mm, and installed in panels at heights of 35 m or less, excluding structures built using sliding formwork	kg	23.00		
110	CC02N2	A500C reinforcing steel bars cut on site, with bar diameters greater than 8 mm, and installed in panels at heights of 35 m or less, excluding structures built using sliding formwork	kg	318.80		
111	CA04F	Concrete cast in slabs, beams and columns; C20/25 grade ready-mixed concrete and casting using conventional methods Small items (softwood boards, nails, staples) = 1.0300	m ³	9.80		
		<i>Total</i>	lei			
		Total External staircase to library, axis 10 Including salary				
		12. RM-1 monolithic frame				
112	TsA02F	Manual excavation of soil in confined spaces, less than 1.00 m or more than 1.00 m wide, carried out without shoring, with a vertical face, for foundations, channels, basements, drains, access steps, in medium-cohesive or highly cohesive soil, depth < 1.5 m, firm ground	m ³	5.10		
113	TsD01B	Spreading of sieved soil by spade, in uniform layers 10–30 cm thick, by throwing it up to 3 m from heaps, including the breaking up of clods, the soil being of medium consistency	m ³	5.10		
114	TsD05B	Compaction using a 150–200 kg mechanical tamper of the fill in successive layers 20–30 cm thick, excluding the wetting of pcs individual layer; the fill consists of cohesive soil. Soil density > 1.70 tn/m ³	100 m ³	0.051		
115	CA02C	Plain concrete cast for levelling, slopes and screeds, cast using conventional methods, ready-mixed concrete, class C8/10	m ³	0.20		

1	2	3	4	5	6	7
		Fine aggregate (softwood chips) = 1.0100				
116	CB03F	Formwork made from reusable panels, with 15 mm plywood, for casting concrete in columns in buildings up to and including 20 m in height, excluding supports	m ²	20.70		
117	CB11A	Supports with extendable standard props, used for installing precast slabs and precast floor panels, for the casting of partially or fully monolithic floor slabs with beams, or for monolithic beams with PE 3100 R type precast floor slabs	pcs	7.00		
118	CC02K	A240 reinforced concrete steel bars, cut to size on site, with bar diameters up to and including 8 mm, and installed in beams and columns at heights of 35 m or less, excluding structures constructed using sliding formwork	kg	29.40		
119	CC02L2	A500C reinforcing steel bars cut on site, with bar diameters greater than 8 mm, and installed in beams and columns at heights of 35 m or less, excluding structures built using sliding formwork	kg	250.50		
120	CA04F	Concrete cast in slabs, beams and columns; ready-mixed concrete, class C20/25, and casting using conventional methods Small items (softwood boards, nails, staples) = 1.0300	m ³	3.40		
		<i>Total</i>	lei			
		Total RM-1 monolithic frame Including salary				
		13. Partition wall, physics laboratory				
121	CL26A	Ready-made metal frames made from 150x150x3.0 tubing	kg	47.30		
122	IzD10C	Anti-corrosion painting by hand brush of metal fabrications and structures with one coat of GF-021 primer and two coats of PF-115 enamel, for metal fabrications and structures made from sections with thicknesses up to and including 7 mm	t	0.048		
123	CK35A	M10x150 mm metal wall plugs fixed into brick or autoclaved aerated concrete walls	pcs	8.00		
124	CK35A	M10x100 mm metal wall plugs fixed in brick or autoclaved aerated concrete walls	pcs	4.00		
		<i>Total</i>	lei			

1	2	3	4	5	6	7
		Total for physics lab partition wall Including wages				
		14. Reinforcement of the newly formed opening (pl. 76)				
125	RCsU06C1	Cutting grooves up to 5 cm deep in stone or reinforced concrete walls, measuring 5 x 50 cm ² , for mechanised work	m	5.20		
126	RCsB30A	Drilling through-holes in concrete structures of grade up to 500, using a diamond core drill with a diameter of: 20 mm, L=400 mm, K=3.6 Labour coefficient = 3.6000 Materials coefficient = 3.6000 Equipment coefficient = 3.6000	pcs	8.00		
127	CP21A	Application of M 100-T mortar for bonding, monolithisation or joint grouting at heights of up to 35 m, filling of technological and assembly voids in precast elements, including surface finishing	pcs	8.00		
128	CK35A	Fitting of M18 threaded rod, L=460 mm, with 2 nuts + 2 M18 washers	pcs	8.00		
129	RCsU02A	Metal cross-beam lintels, installed in masonry, including cutting the cross-beams to size	kg	74.00		
130	IzD10C	Anti-corrosion painting by hand brush of metal fabrications and structures with one coat of GF-021 primer and two coats of PF-115 enamel, for metal fabrications and structures made from sections with thicknesses up to and including 7 mm	t	0.074		
131	RCsC02B	Mixed formwork, made from reusable panels of plywood, excluding supports, for reinforced concrete, for additions or repairs to existing structures, beams with 15 mm plywood Small items (clamps, screws, scraps, etc.) = 1.0150	m ²	3.96		
132	RCsD01D	A240 steel-concrete reinforcement bars, with a diameter of up to and including 8 mm, cut to size on site for foundations and ground slabs, installed in existing structural elements. Cutting and installation of reinforcement in flat slabs, columns, beams, etc.	kg	13.24		
133	RCsD02D1	B500B steel-concrete reinforcement bars, with a diameter of over 8 mm, cut to size in on-site workshops for foundations and slabs, installed in existing structural elements. Cutting	kg	41.40		

1	2	3	4	5	6	7
		and installation of reinforcement bars in flat slabs, columns, beams, etc.				
134	RCsB03C	C20/25 ready-mixed concrete procured from batching plants and poured into ring beams and columns of existing buildings Small materials (planks, wire, nails, etc.) = 1.0250	m³	0.60		
		Total	lei			
		Total Consolidation of the newly formed void (pl. 76) Including salary				
		Total	lei			
		Social security	24 %			
		Transport costs	%			
		Procurement and storage costs	%			
		Total				
		Overhead costs	%			
		Total				
		Budget surplus	%			
		Total estimate: Including salary				

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