

**Reconstruction and modernisation of the ‘Ion
Creanga’ Secondary School, plot no.
9201110.378, with the addition of ancillary
buildings, located in the municipality of
Ungheni, 151 Stefan cel Mare si Sfint Street**

(name of the project)

Form No. 7
WinCmeta

LOCAL QUOTATION No. 2-2-4

Internal water and sewerage networks. Blocks A, B, C (2510 - RAC)

Prepared at current prices:

No. No.	Standard 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. Construction works 1.1. A1 Aqueduct				
1	SA15B	PN20 polypropylene pipe joined by fusion welding, used in connecting pipes, for sanitary installations, and in residential and socio-cultural buildings, with an external diameter x wall thickness of 20 x 2.8 mm	m	220.00		
2	SA37B applicative	Metal pipe collar with rubber gasket and plug, supplied as a set for D20 pipe	pcs	220.00		
3	RpIF09C	Flexible elastomer 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=22 x 13 mm Small items = 1.0500	m	220.00		
4	SA16B	PN20 polypropylene pipe, joined by fusion welding, in columns, for residential and social and cultural buildings, with , external diameter x wall thickness 25x3.5 mm	m	270.00		
5	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=25 x 13 mm Miscellaneous materials = 1.0500	m	270.00		
6	SA37C applicative	Metal pipe clamp with rubber gasket and dowel, set for D25 pipe	pcs	270.00		
7	SA16C	PN20 polypropylene pipe, joined by polyfusion welding, in columns, for	m	165.00		

1	2	3	4	5	6	7
		residential and social/cultural buildings, with an external diameter x wall thickness of 32x4.4 mm				
8	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=32 x 13 mm Miscellaneous materials = 1.0500	m	165.00		
9	SA37D applicative	Metal pipe clamp with rubber gasket and dowel, set for D32 pipe	pcs	163.00		
10	SA16E	PN20 polypropylene pipe, joined by polyfusion welding in columns, for residential and social/cultural buildings, with an external diameter x wall thickness of 50 x 8.3 mm	m	120.00		
11	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=50 x 13 mm Miscellaneous materials = 1.0500	m	120.00		
12	SA37F applicative	Metal pipe clamp with rubber gasket and dowel, supplied as a set for D50 pipe	pcs	120.00		
13	SD05A	Control valve, straight or angle, with ball and butterfly handle, PN20, with hose connection, connection diameter 1/2" Small materials (spindle rope, linseed oil, red lead primer, etc.) = 1.0150	pcs	10.00		
14	SD05A	Control valve, straight or angle, with ball and butterfly handle, PN20, with 1/2" connection diameter Small materials (spindle rope, linseed oil, red lead primer, etc.) = 1.0150	pcs	62.00		
15	SD20B	Dutch-style PP-R/FB PN20 coupling, diameter d=25 x 3/4" Filler material (spindle clay, lead minium primer, etc.) = 1.0100	pcs	82.00		
16	SD07B	Ball valve with butterfly handle, PN20, with 3/4" connection diameter Small parts (spindle, red lead primer, etc.) = 1.0200	pcs	35.00		
17	SD20C	Dutch-style PP-R/FB PN20 coupling, diameter d=32 x 1" Filler material (spindle shavings, red lead primer, etc.) = 1.0100	pcs	25.00		
18	SD07C	Ball valve with butterfly handle, PN20, with 1" connection diameter Miscellaneous materials (spindle, red lead primer, etc.) = 1.0200	pcs	8.00		
19	SD20C	Dutch-style PP-R/FB PN20 coupling, diameter d=50 x 1 1/2" Small parts (spindle, lead minium primer, etc.) = 1.0100	pcs	12.00		

1	2	3	4	5	6	7
20	SD07E	Ball valve with butterfly handle, PN20, with 1 1/2" connection diameters Fine material (spindle, red lead primer, etc.) = 1.0150	pcs	6.00		
21	AcA53A	Electrofusion joint for PE100 SDR11 PN16 electrofusion adapter D= 50 x 1.1/2" FI	pc	1.00		
22	SD07E	Installation of flexible coupling with sockets, for steel pipe, with a diameter of 1 1/2" Small materials (spindle-shaped wool, red lead primer, etc.) = 1.0150	pcs	1.00		
23	AcA53A	Electrofusion joint for PE100 SDR11 PN16 D= 32 x 1" FI electrofusion adapter	pc	1.00		
24	SD07C	Fitting of the flexible connector with socket, for steel pipe, with a diameter of 1" Small materials (spindle-shaped wire, red lead primer, etc.) = 1.0200	pcs	1.00		
25	SF01C	Carrying out a pressure-tightness test on hot or cold water installations made of heavy-duty polyvinyl chloride (PVC) or plastic pipes, with a diameter of 16–110 mm	m	775.00		
26	SF02C	Carrying out a functional test on a cold water system made of heavy-duty polyvinyl chloride (PVC) or plastic pipes, with a diameter of 16–110 mm	10 m	77.50		
27	SF05C	Flushing of cold or hot water systems made of plastic pipes with a diameter of 20–75 mm	m	775.00		
		<i>Total</i>	lei			
		Total A1 Water Supply Including salary				
		1.2. T3, T4 system				
28	SA15B	PN20 polypropylene pipe joined by fusion welding, used in connecting pipes, for sanitary fittings, and in residential and socio-cultural buildings, with an external diameter x wall thickness of 20 x 2.8 mm	m	190.00		
29	SA37B applicative	Metal pipe clamp with rubber gasket and dowel, supplied as a set for D20 pipe	pcs	190.00		
30	RpIF09C	Flexible elastomer 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=22 x 13 mm Small items = 1.0500	m	190.00		

1	2	3	4	5	6	7
31	SA16B	PN20 polypropylene pipe, joined by fusion welding in columns, for residential and social and cultural buildings, with an external diameter x wall thickness of 25 x 3.5 mm	m	500.00		
32	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=25 x 13 mm Miscellaneous materials = 1.0500	m	500.00		
33	SA37C applicative	Metal pipe collar with rubber gasket and plug, supplied as a set for D25 pipe	pcs	500.00		
34	SA16C	PN20 polypropylene pipe, joined by polyfusion welding, in columns, for residential and social/cultural buildings, with an external diameter x wall thickness of 32x4.4 mm	m	275.00		
35	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=32 x 13 mm Miscellaneous materials = 1.0500	m	275.00		
36	SA37D applicative	Metal pipe clamp with rubber gasket and dowel, set for D32 pipe	pcs	275.00		
37	SA16E	PN20 polypropylene pipe, joined by polyfusion welding, in columns, for residential and social/cultural buildings, with an external diameter x wall thickness of 50 x 8.3 mm	m	110.00		
38	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=50 x 13 mm Miscellaneous materials = 1.0500	m	110.00		
39	SA37F applicative	Metal pipe clamp with rubber gasket and dowel, supplied as a set for D50 pipe	pcs	110.00		
40	ID06A	Automatic air vent valve for central heating systems, with a nominal diameter of 1/2"	pcs	10.00		
41	SD05A	Control valve, straight or angle, with ball and butterfly actuator, PN20, with hose connection, with connection diameter of 1/2" Small materials (spindle rope, linseed oil, red lead primer, etc.) = 1.0150	pcs	5.00		

1	2	3	4	5	6	7
42	SD05A	Control valve, straight or angle, with ball and butterfly actuator, PN20, with 1/2" connection diameters Small materials (spindle rope, linseed oil, red lead primer, etc.) = 1.0150	pcs	16.00		
43	SD20B	Dutch-style PP-R/FB PN20 coupling, diameter d=25 x 3/4" Filler material (spindle clay, lead minium primer, etc.) = 1.0100	pcs	80.00		
44	SD07B	Ball valve with butterfly handle, PN20, with 3/4" connection diameters Miscellaneous materials (spindle, red lead primer, etc.) = 1.0200	pcs	40.00		
45	SD20C	Dutch-style PP-R/FB PN20 coupling, diameter d=32 x 1" Filler material (spindle shavings, red lead primer, etc.) = 1.0100	pcs	22.00		
46	SD07C	Ball valve with butterfly handle, PN20, with 1" connection diameter Small parts (spindle, red lead primer, etc.) = 1.0200	pcs	11.00		
47	SD20C	PP-R/FB PN20 Dutch coupling, diameter d=50 x 1 1/2" Small items (spindle-shaped clay, lead minium primer, etc.) = 1.0100	pcs	3.00		
48	SD07E	Ball valve with butterfly handle, PN20, with 1 1/2" connection diameters Small items (spindle, red lead primer, etc.) = 1.0150	pcs	3.00		
49	SF01C	Carrying out a pressure-tightness test on hot or cold water installations made of heavy-duty polyvinyl chloride (PVC) or plastic pipes, with a diameter of 16–110 mm	m	1,075.00		
50	SF02C	Carrying out a functional test on a cold water system made of heavy-duty polyvinyl chloride (PVC) or plastic pipes, with a diameter of 16–110 mm	10 m	107.50		
51	SF05C	Flushing of the cold or hot water system, constructed from pipes made of plastic, with a diameter of 20–75 mm	m	1,075.00		
		<i>Total</i>	lei			
		Total Sistema T3, T4 Including salary				
		1.3. C1 system				
52	AcF03A	Backfill in pipe trenches as a sub-base, carried out using sand	m ³	15.20		
53	SB08E	SN4 SDR41 PVC pipe, D=110x3.2 mm, for drainage, joined with a rubber seal, installed exposed or buried beneath the floor	m	190.00		

1	2	3	4	5	6	7
54	SB08E	Polypropylene (PP) pipe for indoor drainage, D=110x2.2 mm	m	390.00		
55	SA37I applicative	Metal pipe clamp with rubber gasket and dowel, supplied as a set for D110 pipe	pcs	325.00		
56	SB08C	Polypropylene (PP) pipe for internal drainage, D=50x1.8 mm	m	95.00		
57	SA37F applicative	Metal pipe clamp with rubber gasket and dowel, supplied as a set for D50 pipe	pcs	190.00		
58	SA40A	Installation of fire-resistant couplings fixed to the floor slab ceiling with wall plugs, for D110 drainage pipes	pcs	52.00		
59	SB09E	Plastic air vent for drainage, fitted with a rubber seal, with a diameter of 110 mm	pcs	39.00		
60	SB09E	Polypropylene inspection chamber for sewerage with threaded plug D110	pcs	63.00		
61	SB09E	45° polypropylene (PP) elbow for internal drainage, fitted with a rubber gasket, with a diameter of 110 mm	pcs	425.00		
62	SB09C	45° polypropylene (PP) elbow for internal drainage, fitted with a rubber seal, with a diameter of 50 mm	pcs	165.00		
63	SB10C	45° single branch made of polypropylene (PP) for indoor drainage, fitted with a rubber seal, with a diameter of 50 mm	pcs	100.00		
64	SB10E	Single 45° polypropylene (PP) branch for internal drainage, fitted with a rubber seal, with a diameter of 110 mm	pcs	98.00		
65	SB09E	Polypropylene (PP) reducer for internal drainage, fitted with a rubber seal, with a diameter of 110x50 mm	pcs	30.00		
66	SB09E	Polypropylene (PP) sewer vent, for internal drainage, fitted with a rubber seal, with a diameter of 110 mm	pcs	24.00		
67	SB28A	Polypropylene floor drain with a stainless steel grate, side outlet, outlet diameter 50 mm. Fine aggregate (cement, sand, water, etc.) = 1.0100	pcs	23.00		
68	SF04A	Carrying out leak and operational tests on the sewerage system with a diameter of up to and including 100 mm	10 m	9.50		
69	SF04B	Carrying out leak and operational tests on the sewerage system constructed from cast iron pipes for drainage, unplasticised PVC pipes (light-duty type) or plastic pipes, or	10 m	58.00		

1	2	3	4	5	6	7
		ductile iron pipes with a diameter exceeding 100 mm				
		<i>Total</i>	lei			
		Total Sistema C1 Including salary				
		1.4. C3 sewerage				
70	AcF03A	Backfill in trenches for pipes as a substrate, carried out using sand	m ³	4.00		
71	SB08E	PVC pipe SN4 SDR41 D=110x3.2 mm, for drainage, joined with a rubber gasket, installed exposed or buried beneath the floor	m	50.00		
72	SB08C	Polypropylene (PP) pipe for internal drainage, D=50x1.8 mm	m	20.00		
73	SA37F applicative	Metal pipe clamp with rubber gasket and dowel, supplied as a set for D50 pipe	pcs	40.00		
74	SB09C	45° polypropylene (PP) elbow for internal drainage, fitted with a rubber gasket, with a diameter of 50 mm	pcs	40.00		
75	SB09E	45° polypropylene (PP) elbow for internal drainage, fitted with a rubber seal, with a diameter of 110 mm	pcs	62.00		
76	SB10C	45° single branch made of polypropylene (PP) for indoor drainage, fitted with a rubber seal, with a diameter of 50 mm	pcs	12.00		
77	SB10E	Single 45° polypropylene (PP) branch for internal drainage, fitted with a rubber seal, with a diameter of 110 mm	pcs	36.00		
78	SB09E	Polypropylene (PP) reducer for internal drainage, fitted with a rubber seal, with a diameter of 110x50 mm	pc	11.00		
79	SB09E	Plastic air valve for drainage, fitted with a rubber seal, with a diameter of 110 mm	pcs	17.00		
80	SB28B	Polypropylene floor drain, with a stainless steel grate, side outlet, outlet diameter 110 mm. Fine aggregate (cement, sand, water, etc.) = 1.0100	pcs	7.00		
81	SF04A	Carrying out leak and operational tests on the sewerage system with a diameter of up to and including 100 mm	10 m	2.00		
82	SF04B	Carrying out leak and operational tests on the sewerage system constructed from cast iron pipes for drainage, unplasticised PVC pipes (light-duty type) or plastic pipes, or ductile iron pipes with a diameter exceeding 100 mm	10 m	5.00		

1	2	3	4	5	6	7
83	SD04A	Mixer tap with swivel spout and stand for washbasins, regardless of the shut-off mechanism, including for people with disabilities, with a diameter of 1/2"	pcs	20.00		
84	SB09C	Rubber reducer with a diameter of 50 x 32 mm	pcs	24.00		
		<i>Total</i>	lei			
		Total Sewerage C3 Including salary				
		1.5. Sanitation equipment				
85	SC04C	Semi-porcelain washbasin, sanitary porcelain, including for people with disabilities, with a plastic drainpipe, mounted on a pedestal Small items (screws, wooden dowels, plaster, etc.) = 1.0200	pcs	35.00		
86	SB09C	Rubber reducer with a diameter of 50 x 32 mm	pcs	35.00		
87	SD04A	Washbasin mixer tap with swivel spout, including for people with disabilities, with connection diameters of 1/2" x 1/8"	pcs	35.00		
88	SC07A1	Toilet bowl, fully fitted, made of sanitary porcelain, floor-mounted, with the cistern mounted on the bowl, featuring an internal S-type trap Small items (wooden dowels, plaster, wood screws, putty, dichlorethane, etc.) = 1.0300	pcs	30.00		
89	SB09E	Flexible, extendable toilet connection, stainless steel insert with socket D=110 mm L=60 mm	pcs	30.00		
90	SC09A	Wall-hung sanitary porcelain urinal mounted on a brick or aerated concrete wall, with a timer-controlled urinal tap and trap Small items (wooden dowels, plaster, wood screws, putty, dichlorethane, etc.) = 1.0200	pcs	6.00		
91	SB09C	Rubber reducer with a diameter of 50 x 40 mm	pcs	6.00		
92	SC05A	Enamelled cast iron or acid-resistant ceramic sink, with a plastic drainpipe, mounted on brickwork walls Small items (wood dowels, plaster, wood screws, adhesive, degreaser, etc.) = 1.0100	pcs	3.00		
93	SD04A	Mixer tap with swivel spout and stand for washbasin, regardless of shut-off mechanism, including for people with disabilities, with a diameter of 1/2"	pcs	3.00		
94	SD02A	Bathroom mixer tap with flexible or fixed shower head, regardless of the shut-off mechanism, including for	pcs	6.00		

1	2	3	4	5	6	7
		people with disabilities, mounted on brick or aerated concrete walls Small materials (spindle-wound tow, linseed oil, lead minium primer, etc.) = 1.0050				
		<i>Total</i>	lei			
		Total Sanitary equipment Including salary				
		1.6. Water meter stations				
95	SD05A	Control valve, straight or angle, with ball and butterfly handle, PN20, with 1/2" connection diameter Small materials (spindle rope, linseed oil, red lead primer, etc.) = 1.0150	pcs	4.00		
96	SD07B	Ball valve with butterfly handle, PN20, with 3/4" connection diameter Miscellaneous materials (spindle, red lead primer, etc.) = 1.0200	pcs	2.00		
97	SD12A	Non-return valve, for connection with threaded fittings, with a connection diameter of 1/2" Fine material (spindle-shaped clay, lead minium primer, etc.) = 1.0200	pcs	1.00		
98	SD12A	Non-return valve, for connection with threaded fittings, with a connection diameter of 3/4" Fine material (spindle-shaped clay, lead minium primer, etc.) = 1.0200	pcs	1.00		
99	SD05A	Brass Y-strainer PN20, with seal hole, connection diameter 1/2" Fine material (spindle tow, linseed oil, red lead primer, etc.) = 1.0150	pcs	1.00		
100	SD05B	Brass Y-strainer PN20, with seal hole, connection diameter 3/4" Fine material (spindle tow, linseed oil, red lead primer, etc.) = 1.0200	pcs	1.00		
		<i>Total</i>	lei			
		Total water meter units Including salary				
		<i>Total</i>	lei			
		<i>Social insurance</i>	24 %			
		<i>Transport costs</i>	%			
		<i>Procurement and warehousing</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. The T3, T4 system				
101	IB07A	Steel-tube radiators for bathrooms, with a height (h) of up to 1000 mm, inclusive	pcs	5.00		
		<i>Total</i>	lei			

1	2	3	4	5	6	7
		Total Sistema T3, T4 Including salary				
		2.2. Sanitary equipment				
102	SC02A	Shower tray 900x900x115 mm, made of acrylic with a non-slip surface Small items (cleaning products, chlorine blpcs, cleaning cloths, etc.) = 1.0300	pcs	4.00		
		<i>Total</i>	lei			
		Total Sanitary equipment Including salary				
		2.3. Water meter stations				
103	SE58A	Cold water meter, with connection diameters of 1/2" – 1" Small items (linen twine, red lead primer, etc.) = 1.0100	pcs	2.00		
		<i>Total</i>	lei			
		Total water meter units Including salary				
		<i>Total</i>	lei			
		<i>Social insurance</i>	24 %			
		<i>Transport costs</i>	10 %			
		<i>Supply and storage</i>	2 %			
		<i>Total</i>				
		<i>Overhead costs</i>	76 %			
		<i>Total</i>				
		<i>Budget surplus</i>	6 %			
		Total Installation work Including wages				
		3. Machinery and equipment				
		3.1. T3, T4 system				
104		Stainless steel towel warmer 500x500 DN32	pcs	11.00		
		<i>Total</i>	lei			
		Total Sistema T3, T4 Including salary				
		3.2. Sanitary equipment				
105	Supplier price	Shower tray 900x900x115 mm, acrylic with non-slip surface	pcs	4.00		
		<i>Total</i>	lei			
		Total Sanitary equipment Including salary				
		3.3. Water meter points				
106	Supplier price	Cold water meter, with 1/2" connection diameter	set	1.00		
107	Supplier price	Cold water meter, with a connection diameter of 3/4"	set	1.00		
		<i>Total</i>	lei			
		Total water meter units Including salary				

1	2	3	4	5	6	7
		<i>Total</i>	lei			
		<i>Supply and storage</i>	1.2%			
		Total machinery and equipment Including wages				
		Total	lei			
		Total estimate: Including wages				

Prepared by

(position, signature, surname, first name)

Verified

(position, signature, surname, first name)