

**Partial re-systematization of the
non-residential premises located
in the basement of the buildings
with the cadaster number
010020527701 and 010020527702
located in Chisinau city, 75
Stefan cel Mare Avenue**

(name of the site)

Formular Nr.1
WinCmeta2000

**List with quantities of works No. 2-1-1
Architectural solutions (06/2017-SA)**

No crt.	Symbol of the norm and resource code	Name of works	U.M.	Volume	Unit Price, USD (including salary)	Total (col.5 x col.6) USD
1	2	3	4	5	6	7
		Chapter 1. Basement				
		Chapter 1.1. Dismounting works				
1	RpCG29C	Demolishing the walls from brick masonry, exclusively the scaffold and cleaning the bricks	m3	23,39		
2	RpCO56A	Dismantling of the wooden carpeting (doors)	m2	43,47		
3	RpCM33A	Dismantling the plates of floor tiles, ceramics, and pottery	m2	107,00		
4	RpCJ35A	Clearing the exterior and interior coating from the walls	m2	1 364,00		
5	RpCJ35A	Clearing the exterior and interior coating from the ceilings	m2	36,40		
6	RpCK42C	Dismantling the floors of cold concrete tiles, marble, stone, floor tiles, ceramic tiles, etc.	m2	18,50		
7	RpCK42A	Dismantling the cold flooring from concrete or cement mortar	m2	18,50		
8	RpCP45D	Dismantling the balustrade	kg	142,50		
9	DC04B	Cutting with the machine having diamond disks of the embrasures in the walls	m	109,05		
10	RpCG29C	Demolishing the walls from brick masonry, exclusively the scaffold and cleaning the bricks	m3	3,04		
11	RpCU09C	Transportation with manual means through direct transportation up to 60 m distance with a loading up to 50 kg (for 1 m transported on the vertical is considered to be 10 on the horizontal) (taking out the waste)	t	168,10		
12	RpCU09C 1 k=2	Transportation with manual means through direct transportation up to 60 m distance with a loading up to 50 kg (for 1 m transported on the vertical is considered to be 10 on the horizontal), added for every 10m of the distance after the first 10m (taking out the waste) Labor efforts coefficient = 2.000 Materials coefficient = 2.000	t	168,10		

1	2	3	4	5	6	7
		Machinery coefficient = 2.000				
13	TsH92B	Loading the trucks with soil (land) with stones and boulders	t	168,10		
14	TsI50B5	Transportation of the ground with the dumper of 5 t at a distance of 15 km	t	168,10		
		Chapter 1.2. Finishing the walls				
15	CD56A	Executing the dividing walls in mono-layer in gypsum plates with thickness of 8 cm, in premises with height of up to 4 m	100m2	0,021		
16	CD50A	Brickwork from simple bricks, made of 250 x 120 x 65 format at the external walls with the height up to 4 m	m3	0,38		
17	CD60C	Brick masonry, format 250 x 120 x 65 mm, with manual preparation of the mortar M-50, in on-site conditions for the reinforced dividing walls with the thickness of 1/2 brick, the height of the level up to 4m	100m2	0,057		
18	CF59E	Coating the surfaces with a layer of water-resistant plasterboards 12.5 mm thick, executing the simple plain metallic carcass with CW 50 and UW 50 profiles, with the height up to 4 m: sills (covering the engineering networks) Small materials (water, sanding paper, etc.) = 1.005	m2	25,00		
19	IzF31B	Waterproofing the concrete surfaces (vertical ones, horizontal ones, including the ceilings) with "Penetron" mixture - 2 layers: rough surface	m2	1 257,00		
20	CF17B K=4	Different works - difference of thickness plus 5 mm from the ground coat layer applied on the walls, executed with mortar M100 Labor efforts coefficient = 4.000 Materials coefficient = 4.000 Machinery coefficient = 4.000	m2	1 257,00		
21	CF15A	Exterior plastering trowel, executed in cement mortar M 100-T of 2 cm average thickness, for walls from concrete or bricks, with plain surfaces	m2	1 257,00		
22	CF50B	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for walls and dividing walls, manual preparation of the mortar.	m2	1 257,00		
23	CF51B k=2	The minus difference for every 1.0 mm of dried mixture (is extracted for art. CF50) Labor efforts coefficient = 2.000 Materials coefficient = 2.000 Machinery coefficient = 2.000	m2	- 1 257,00		
24	CF17C	Miscellaneous - fleece layer of fiberglass, density 145 g/m2, applied to the surface of the walls	m2	1 257,00		
25	CF57A	Manual application of the gypsum-based putty thickness 1,0 mm on the ceiling, walls and columns' surfaces.	m2	1 257,00		
26	CF57A k=2	Manual application of the gypsum-based putty thickness 2,0 mm on the areas of walls, columns, and ceilings Labor efforts coefficient = 2.000 Materials coefficient = 2.000	m2	25,00		

1	2	3	4	5	6	7
		Machinery coefficient = 2.000				
27	CF56A	Manual application of the putty for interior works thickness 0,5 mm on the surfaces of walls, columns, and ceilings	m2	1 282,00		
28	CN53A	Coating the internal surfaces with the primer	m2	1 282,00		
29	CN06A	Interior painting with paints based on acryl-based latex, applied in 2 layers on the existing fillings, executed manually.	m2	1 282,00		
30	CF17D	Diverse works - adding dye	kg	12,82		
31	CN53A	Coating the internal surfaces with the primer	m2	107,00		
32	CI22B	Ceramic tile plywood (on walls, columns, pilasters and window sills) fixed with adhesive (dry mixture), plates' size: 200 x 400 mm Small materials (cloth, disc) = 1.010	m2	107,00		
		Chapter 1.3. Finishing the ceiling				
33	CF59D Ks=0.9	Coating the surfaces with a layer of water-resistant plasterboards 12.5 mm thick, executing the simple plain metallic carcass with CW 50 and UW 50 profiles, with the height up to 4 m: ceilings with insulation (Ks=0.9 for non-executing the insulation) Small materials (water, sanding paper, etc.) = 1.005 Labor efforts coefficient = 0.900	m2	167,60		
34	CN53A	Coating the internal surfaces with the primer	m2	36,40		
35	CF52B	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for the ceiling, manual preparing of the mortar	m2	36,40		
36	CF53B k=3	The plus difference for every 1.0 mm (is added to art. CF52) Labor efforts coefficient = 3.000 Materials coefficient = 3.000 Machinery coefficient = 3.000	m2	36,40		
37	CF17C	Miscellaneous - fleece layer of fiberglass, density 145 g/m2, applied to the surface of the walls	m2	36,40		
38	CF57A k=2	Manual application of the gypsum-based putty thickness 2,0 mm on the areas of walls, columns, and ceilings Labor efforts coefficient = 2.000 Materials coefficient = 2.000 Machinery coefficient = 2.000	m2	167,60		
39	CF57A	Manual application of the gypsum-based putty thickness 1,0 mm on the ceiling, walls and columns' surfaces.	m2	36,40		
40	CF56A	Manual application of the putty for interior works thickness 0,5 mm on the surfaces of walls, columns, and ceilings	m2	204,00		
41	CN53A	Coating the internal surfaces with the primer	m2	204,00		
42	CN06A	Interior painting with paints based on acryl-based latex, applied in 2 layers on the existing fillings, executed manually.	m2	204,00		
43	CK52A	Suspended ceilings made of metal-clad modular plates with the use of a non-rod-shaped brace suspension, in rooms up to 4 m high, slabs for mineral fiber-	m2	306,00		

1	2	3	4	5	6	7
		reinforced ceilings with acoustic and acoustic sound insulation, thickness 19 mm, weight 4.60 kg / m ² , can not VT24 type plates				
		Chapter 1.4. Finishing the flooring Chapter 1.4.1. Type L1				
44	IzF01C	Priming the surface for applying diffusion layer, a barrier against steam, heat-insulation or waterproofing on ceilings of any form, with suspension of filtered bitumen modification (subif) in one layer	m ²	297,00		
45	CE13A	Covers for the roofs with bitumen membranes bonded with flame in a mono-layer system, on horizontal surface, mounted on continuous support Small material = 1.050	m ²	297,00		
46	CA02C F	Polystyrene concrete M5, class B1.5 with density 400-500 kg/m ³ poured into equalizers, with classical means Small materials (resinous cases) = 1.010	m ³	14,85		
47	CC03C	Assembling welded nets VR1 d=3.0 mm, eye-holes 100x100 mm, in flooring	kg	297,00		
48	CG01A	Supporting layer for flooring executed from cement mortar M 150 reinforced with fiber, of 3 cm thickness with delicately smoothed surface	m ²	297,00		
49	CG01A1	The plus difference for every 0.5 cm of support layer of mortar M 150 reinforced with fiber, is added	m ²	297,00		
50	CG56A	Blanket from self-levelling mixture for flooring: thickness 10mm Small materials (expanded polystyrene for deformation joints, cloth, controls) = 1.005	m ²	297,00		
51	CG56A1 k=5	Correction for the thickness of the blanket made of self-levelling mixture: it is subtracted for thickness of 1 mm Labor efforts coefficient = 5.000 Materials coefficient = 5.000 Machinery coefficient = 5.000	m ²	-297,00		
52	CG49A	Executing the covering from homogeneous linoleum, resistant to wear and tear and chemical agents' action, with antistatic and antibacterial features, with thickness of 2.00 mm, the carpet's wear and tear class 34, for flooring, welding the carpet joints with welding fibers, and mounting the PVC plinths at walls Small materials (cloth) = 1.005	m ²	297,00		
		Chapter 1.4.2. Type T1				
53	IzF01C	Priming the surface for applying diffusion layer, a barrier against steam, heat-insulation or waterproofing on ceilings of any form, with suspension of filtered bitumen modification (subif) in one layer	m ²	61,00		
54	CE13A	Covers for the roofs with bitumen membranes, bonded with flame in a mono-layer system, on horizontal surface, mounted on continuous support Small material = 1.050	m ²	61,00		

1	2	3	4	5	6	7
55	CA02C F	Polystyrene concrete M5, class B1.5 with density 400-500 kg/m ³ poured into equalizers, with classical means Small materials (resinous cases) = 1.010	m ³	3,05		
56	CC03C	Assembling welded nets VR1 d=3.0 mm, eye-holes 100x100 mm, in flooring	kg	61,00		
57	CG01A	Supporting layer for flooring executed from cement mortar M 150 reinforced with fiber, of 3 cm thickness with delicately smoothed surface	m ²	61,00		
58	CN53A	Coating the internal surfaces with the primer	m ²	61,00		
59	CG17D	Flooring from porcelain pates, the size of plates 450x450 mm, thickness 10 mm, including the support layer of adhesive mortar, for porcelain tiles, executed on areas wider than 16 m ²	m ²	61,00		
60	CI14A	Linear elements of stoneware plates h=150 mm, applied with adhesive for porcelain tiles Small materials (water, cloth, etc.) = 1.050	m	43,60		
		Chapter 1.4.3. Type T2				
61	IzF01C	Priming the surface for applying diffusion layer, a barrier against steam, heat-insulation or waterproofing on ceilings of any form, with suspension of filtered bitumen modification (subif) in one layer	m ²	10,00		
62	CE13A	Covers for the roofs with bitumen membranes, bonded with flame in a mono-layer system, on horizontal surface, mounted on continuous support Small material = 1.050	m ²	10,00		
63	CA02C F	Polystyrene concrete M5, class B1.5 with density 400-500 kg/m ³ poured into equalizers, with classical means Small materials (resinous cases) = 1.010	m ³	2,00		
64	CC03C	Assembling welded nets VR1 d=3.0 mm, eye-holes 100x100 mm, in flooring	kg	10,00		
65	CG01A	Supporting layer for flooring executed from cement mortar M 150 reinforced with fiber, of 3 cm thickness with delicately smoothed surface	m ²	10,00		
66	CG01A1	The plus difference for every 0.5 cm of support layer of mortar M 150 reinforced with fiber, is added	m ²	10,00		
67	CN53A	Coating the internal surfaces with the primer	m ²	10,00		
68	CG17D	Flooring from porcelain pates, the size of plates 450x450 mm, thickness 10 mm, including the support layer of adhesive mortar, for porcelain tiles, executed on areas wider than 16 m ²	m ²	10,00		
		Chapter 1.4.4. Type L2				
69	CN53A k=2	Coating the internal surfaces with the primer in 2 layers	m ²	107,30		
70	CG56A	Blanket from self-levelling mixture for flooring: thickness 10mm Small materials (expanded polystyrene for deformation joints, cloth, controls) = 1.005	m ²	107,30		

1	2	3	4	5	6	7
71	CG56A1 k=5	Correction for the thickness of the blanket made of self-levelling mixture: it is subtracted for thickness of 1 mm Labor efforts coefficient = 5.000 Materials coefficient = 5.000 Machinery coefficient = 5.000	m2	-107,30		
72	CG49A	Executing the covering from homogeneous linoleum, resistant to wear and tear and chemical agents' action, with antistatic and antibacterial features, with thickness of 2.00 mm, the carpet's wear and tear class 34, for flooring, welding the carpet joints with welding fibers, and mounting the PVC plinths at walls Small materials (cloth) = 1.005	m2	107,30		
		Chapter 1.5. Carpentry				
73	RpCR29A	Removing the oil-based paint, with remover substance (U1, U7)	m2	31,20		
74	RpCR13B	Painting the carpentry with enamel and alkyd varnish, in existing constructions, internally and externally, in two layers, including the primer layer	m2	31,20		
75	CK03A	Interior doors from MDF, in one leaf, with smooth surface, the thickness of the door top 3 cm, thickness of the door case 10 cm, equipped with 3 hinges, including thermal insulation and waterproof of the casement (U2 - 900x2.100(h))	m2	18,90		
76	CK03A	Interior doors from MDF, in one leaf, with smooth surface, the thickness of the door top 3 cm, thickness of the door case 10 cm, equipped with 3 hinges, including thermal insulation and waterproof of the casement (U3 - 800x2.100(h))	m2	10,08		
77	CK03A	Interior doors from MDF, in one leaf, with smooth surface, the thickness of the door top 3 cm, thickness of the door case 10 cm, equipped with 3 hinges, including thermal insulation and waterproof of the casement (U4 - 700x2.100(h))	m2	5,88		
78	CK03A	Interior doors from MDF, in one leaf, with smooth surface, the thickness of the door top 3 cm, thickness of the door case 10 cm, equipped with 3 hinges, including thermal insulation and waterproof of the casement (U5 - 1.000x2.100(h))	m2	2,10		
79	CK07B	MDF sills assembled on doors	m	127,40		
80	CK33C	Yalle system applied lock with handhold	piece	21,00		
81	CK25A	Doors made of plastic profiles, with 5 chambers, double-glazed window 4-16-4 mm, including the casement and the necessary accessories for assembling doors in any type of masonry in constructions with the height up to 35 m inclusively, in one leaf (U6 - 840x2.100(h))	m2	3,52		
82	CK27C	French windows from plastic profiles, with 3 chambers, including the double-glazed window 4-16-4 mm, V1 - 3.780x2.850(h) mm, from fixed panels and door leaves 900x2.200(h) mm - 1 piece	m2	10,77		

1	2	3	4	5	6	7
83	CK27B	French windows from plastic profiles, with 3 chambers, including the double-glazed window 4-16-4 mm, from fixed panels assembled at the flooring level V2 - 2.000x2.850(h) mm	m2	5,70		
84	CK27C	French windows from plastic profiles, with 3 chambers, including the double-glazed window 4-16-4 mm, V3 - 3.000x2.850(h) mm, from fixed panels and door leaves 900x2.200(h) mm - 1 piece	m2	8,55		
85	CK27B	French windows from plastic profiles, with 3 chambers, including the double-glazed window 4-16-4 mm, from fixed panels assembled at the flooring level V4 - 2.900x2.850(h) mm	m2	8,27		
86	CH06A	Metallic handrails having H=1.20 m, fixed in the concrete bulwark, made of leveled non-corrodible steel pipe	m	9,50		
		Chapter 2. Fragment 2 (downstairs) Chapter 2.1. Dismounting works				
87	RpCG29C	Demolishing the walls from brick masonry, exclusively the scaffold and cleaning the bricks	m3	1,77		
88	RpCO56A	Dismantling of the wooden carpeting (doors)	m2	9,20		
89	RpCJ35A	Clearing the exterior and interior coating from the walls	m2	116,00		
90	RpCK41B	Dismantling the flooring from oak or beech parquet	m2	67,40		
91	RpCK42A	Dismantling the cold flooring from concrete or cement mortar	m2	67,40		
92	RpCU09C	Transportation with manual means through direct transportation up to 60 m distance with a loading up to 50 kg (for 1 m transported on the vertical is considered to be 10 on the horizontal) (taking out the waste)	t	16,10		
93	TsH92B	Loading the trucks with soil (land) with stones and boulders	t	16,10		
94	TsI50B5	Transportation of the ground with the dumper of 5 t at a distance of 15 km	t	16,10		
		Chapter 2.2. Finishing the walls				
95	CN53A	Coating the internal surfaces with the primer	m2	116,00		
96	CF17B K=4	Different works - difference of thickness plus 5 mm from the ground coat layer applied on the walls, executed with mortar M100 Labor efforts coefficient = 4.000 Materials coefficient = 4.000 Machinery coefficient = 4.000	m2	116,00		
97	CF15A	Exterior plastering trowel, executed in cement mortar M 100-T of 2 cm average thickness, for walls from concrete or bricks, with plain surfaces	m2	116,00		
98	CF50B	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for walls and dividing walls, manual preparation of the mortar.	m2	116,00		
99	CF51B	The minus difference for every 1.0 mm	m2	-116,00		

1	2	3	4	5	6	7
	k=2	of dried mixture (is extracted for art. CF50) Labor efforts coefficient = 2.000 Materials coefficient = 2.000 Machinery coefficient = 2.000				
100	CF17C	Miscellaneous - fleece layer of fiberglass, density 145 g/m2, applied to the surface of the walls	m2	116,00		
101	CF57A	Manual application of the gypsum-based putty thickness 1,0 mm on the ceiling, walls and columns' surfaces.	m2	116,00		
102	CF56A	Manual application of the putty for interior works thickness 0,5 mm on the surfaces of walls, columns, and ceilings	m2	116,00		
103	CN53A	Coating the internal surfaces with the primer	m2	116,00		
104	CN06A	Interior painting with paints based on acryl-based latex, applied in 2 layers on the existing fillings, executed manually.	m2	116,00		
105	CF17D	Diverse works - adding dye	kg	1,16		
		Chapter 2.3. Finishing the ceiling				
106	CK52A	Suspended ceilings made of metal-clad modular plates with the use of a non-rod-shaped brace suspension, in rooms up to 4 m high, slabs for mineral fiber-reinforced ceilings with acoustic and acoustic sound insulation, thickness 19 mm, weight 4.60 kg / m2 , can not VT24 type plates	m2	66,20		
		Chapter 2.4. Finishing the flooring Chapter 2.4.1. Type L4				
107	CG01A	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed face	m2	67,50		
108	CG56A	Blanket from self-levelling mixture for flooring: thickness 10mm Small materials (expanded polystyrene for deformation joints, cloth, controls) = 1.005	m2	67,50		
109	CG56A1 k=5	Correction for the thickness of the blanket made of self-levelling mixture: it is subtracted for thickness of 1 mm Labor efforts coefficient = 5.000 Materials coefficient = 5.000 Machinery coefficient = 5.000	m2	-67,50		
110	CG49A	Executing the covering from homogeneous linoleum, resistant to wear and tear and chemical agents' action, with antistatic and antibacterial features, with thickness of 2.00 mm, the carpet's wear and tear class 34, for flooring, welding the carpet joints with welding fibers, and mounting the PVC plinths at walls Small materials (cloth) = 1.005	m2	67,50		
		Chapter 2.5. Carpentry				
111	CK03A	Interior doors from MDF, in one leaf, with smooth surface, the thickness of the door top 3 cm, thickness of the door case 10 cm, equipped with 3 hinges, including thermal insulation and waterproof of the casement (U8 - 1.000x2.300(h))	m2	2,30		

1	2	3	4	5	6	7
112	CK03A	Interior doors from MDF, in one leaf, with smooth surface, the thickness of the door top 3 cm, thickness of the door case 10 cm, equipped with 3 hinges, including thermal insulation and waterproof of the casement (U9 - 1.000x2.300(h))	m2	2,30		
113	CK33C	Yalle system applied lock with handhold	piece	2,00		
114	CK07B	MDF sills assembled on doors	m	11,20		
115	CK27C	French windows from plastic profiles, with 3 chambers, including the double-glazed window 4-16-4 mm, V3 - 4.400x3.100(h) mm, from fixed panels and door leaves 900x2.200(h) mm - 1 piece	m2	13,64		

Total:

Total	USD
Social and medical insurance	27,50 %
Transport costs	%
Supply storage costs	%
Total	100,00 +
Expenditure on directing	%
Total	100,00 +
Benefit of consideration	%

Total value:

Elaborated

(function, signature, name, first name)

Verified

(function, signature, name, first name)

**Partial re-systematization of the
non-residential premises located
in the basement of the buildings
with the cadaster number
010020527701 and 010020527702
located in Chisinau city, 75
Stefan cel Mare Avenue**

(name of the site)

**List with quantities of works No. 2-1-2
Internal networks of water supply and sewerage (06/2017-
RAC)**

№ crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume	Unit Price, USD (including salary)	Total, (col.5 x col.6) USD
1	2	3	4	5	6	7
		Chapter 1. Construction works				
		Chapter 1.1. Dismounting works				
1	RpSF01A	Draining the water installation so as to perform the repairing works	10 m	4,90		
2	RpSC06A	Dismantling a closet reservoir of pottery, completely equipped	piece	5,00		
3	RpSC05A	Dismantling a pottery washstand, including the accessories	piece	5,00		
4	RpSD03A	Dismantling the stand-battery, having a diameter of 1/2"	piece	5,00		
5	RpSE03F	Dismantling a buffer tank for the supply plant, having the capacity 4001 - 5000 l	piece	4,00		
6	RpSA03A	Dismantling the zincate steel pipe, existing inside the building, with a diameter of 1/2"-1"	m	30,00		
7	RpSA03B	Dismantling the zincate steel pipe, existing inside the building, with a diameter of 1 1/4"-2"	m	19,00		
8	RpSD10A	Dismantling the passing tap with or without discharge, of a tap with an arrow shelf with threaded valves, having the diameter 3/8"-1/2"	piece	6,00		
9	RpSD10B	Dismantling the passing tap with or without discharge, of a tap with an arrow shelf with threaded valves, having the diameter 3/4"-1"	piece	1,00		
10	RpSD10C	Dismantling the passing tap with or without discharge, of a tap with an arrow shelf with threaded valves, having the diameter 1 1/4"-1 1/2"	piece	6,00		
11	RpSB01C	Dismantling the tubes and the connecting pieces from cast iron, for sewerage, with diameter of 100 mm	m	23,00		
12	RpSB01A	Dismantling the tubes and the connecting pieces from cast iron, for sewerage, with diameter of 50 mm	m	3,00		
13	RpSD07B	Dismantling a tap with a cast-iron oval	piece	2,00		

1	2	3	4	5	6	7
		and flat body, with flanges for pressure pipes, having the diameter 80-100 mm				
14	RpCU09C	Transportation with manual means through direct transportation up to 60 m distance with a loading up to 50 kg (for 1 m transported on the vertical is considered to be 10 on the horizontal) (taking out the waste)	t	1,71		
15	RpCU09C 1 k=2	Transportation with manual means through direct transportation up to 60 m distance with a loading up to 50 kg (for 1 m transported on the vertical is considered to be 10 on the horizontal), added for every 10m of the distance after the first 10m (taking out the waste) Labor efforts coefficient = 2.000 Materials coefficient = 2.000 Machinery coefficient = 2.000	t	1,71		
16	TsH92B	Loading the trucks with soil (land) with stones and boulders	t	1,71		
17	TsI50B5	Transportation of the ground with the dumper of 5 t at a distance of 15 km	t	1,71		
		Chapter 1.2. System A1				
18	SA03F	Galvanized steel tubes for installations, installed in columns in the residential buildings and social-cultural buildings, with the diameter 50x3.5 mm Small material (hemp tows, minium primer) = 1.020	m	30,00		
19	SA37F	Bracelet for fixing the pipes for water and gas supply, from steel or PVC, flush mounted through ducts having the diameter of 2"	piece	30,00		
20	SA04C	Galvanized steel tubes for installations, installed on distribution pipes in the residential buildings and social-cultural buildings, with the diameter 25x3.2 mm Small material (hemp tows, minium primer) = 1.020	m	3,00		
21	SA37C	Bracelet for fixing the pipes for water and gas supply, from steel or PVC, flush mounted through ducts having the diameter of 1"	piece	3,00		
22	SA04B	Galvanized steel tubes for installations, installed on distribution pipes in the residential buildings and social-cultural buildings, with the diameter 20x2.8 mm Small material (hemp tows, minium primer) = 1.025	m	2,00		
23	SA37B	Bracelet for fixing the pipes for water and gas supply, from steel or PVC, flush mounted through ducts having the diameter of 3/4"	piece	2,00		
24	SA04A	Galvanized steel tubes for installations, installed on distribution pipes in the residential buildings and social-cultural buildings, with the diameter 15x2.8 mm Small material (hemp tows, minium primer) = 1.025	m	20,00		
25	SA37A	Bracelet for fixing the pipes for water and gas supply, from steel or PVC, flush mounted through flushing, ducts having the diameter of 1/2"	piece	20,00		

1	2	3	4	5	6	7
26	CN23A	Paintings of superior quality of the functional installations, executed with enamel paint PF-115, on a layer of primer GF-021, on pipes with the exterior diameter up to 34 mm inclusively	m	25,00		
27	CN23B	Paintings of superior quality of the pipes, executed with enamel paint PF-115 on a layer of primer GF-021 on pipes with the exterior diameter over 34 mm inclusively	m2	4,80		
28	SF01A	Performing the sealing pressure test for the installation of hot or cold water, executed on zincate steel pipes, for installations welded longitudinally, having the diameter of 3/8"-2"	m	55,00		
29	SF02A	Operational test for cold water installation performed with galvanized steel pipes for installations welded longitudinally, with the diameter 3/8"-2"	10 m	5,50		
30	RpIF09A	Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D=50x13 mm Small material = 1.050	m	30,00		
31	RpIF09A	Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D=25x13 mm Small material = 1.050	m	3,00		
32	RpIF09A	Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D=15x13 mm Small material = 1.050	m	10,50		
33	AcA31A	Assembling through electrical welding of the steel flanges, at the end of the pipes, the flange having the diameter of 50 mm Small materials (oxygen, carbide, electrodes, etc.) = 1.050	piece	6,00		
34	SD08A	Fillet with rubber cleat, with flanges, having the nominal diameter of 50 mm Small materials (screw bolts, collars, bolt nuts, cement, etc.) = 1.050	piece	3,00		
35	SD13C	Non-return valve for connection with flanges, with the diameter 50 mm Small materials (screw bolts, collars, bolt nuts, etc.) = 1.010	piece	2,00		
36	SD07C	Sphere type bowl tap with valves, with diameter 1" Small material (hemp tows, minium primer, etc.) = 1.020	piece	1,00		
37	SD07B	Sphere type bowl tap with valves, with diameter 3/4" Small material (hemp tows, minium primer, etc.) = 1.020	piece	2,00		
38	SD07A	Sphere type bowl tap with valves, with diameter 1/2" Small material (hemp tows, minium primer, etc.) = 1.020	piece	12,00		
		Chapter 1.3. System T3				
39	SA04A	Galvanized steel tubes for installations, installed on distribution pipes in the residential buildings and social-cultural	m	10,00		

1	2	3	4	5	6	7
		buildings, with the diameter 15x2.8 mm Small material (hemp tows, minium primer) = 1.025				
40	SA37A	Bracelet for fixing the pipes for water and gas supply, from steel or PVC, flush mounted through flushing, ducts having the diameter of 1/2"	piece	10,00		
41	SF01A	Performing the sealing pressure test for the installation of hot or cold water, executed on zincate steel pipes, for installations welded longitudinally, having the diameter of 3/8"-2"	m	10,00		
42	SF03A	Performing the functioning and resistance test for the installation of hot water, executed on zincate steel pipes, for installations, having the diameter of 3/8"-2"	10 m	1,00		
43	CN23A	Paintings of superior quality of the functional installations, executed with enamel paint PF-115, on a layer of primer GF-021, on pipes with the exterior diameter up to 34 mm inclusively	m	10,00		
44	RpIF09A	Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D=15x13 mm Small material = 1.050	m	4,00		
45	SD07A	Sphere type bowl tap with valves, with diameter 1/2" Small material (hemp tows, minium primer, etc.) = 1.020	piece	9,00		
		Chapter 1.4. Sewerage C1				
46	RpCB18F	Demolishing the old concrete with mechanic means, simple concrete	m3	2,20		
47	RpCA01A	Manual excavation of land in confined spaces , having 1.00 m in width and maximum 1.5 m depth, with vertical slope, for polygonal foundation pits , ditches, etc. , executed in amounts of up to 20 m3 with unsupported sides	m3	2,40		
48	RpCA06A	Soil filling, executed in horizontal layers 20-30 cm thick, well watered and beaten with the manual knocker, and in quantities up to 20 m3, at a workstation, including scattering the soil in layers	m3	2,10		
49	RpCU09C	Transportation with manual means through direct transportation up to 60 m distance with a loading up to 50 kg (for 1 m transported on the vertical is considered to be 10 on the horizontal) (taking out the waste)	t	5,79		
50	RpCU09C 1 k=2	Transportation with manual means through direct transportation up to 60 m distance with a loading up to 50 kg (for 1 m transported on the vertical is considered to be 10 on the horizontal), added for every 10m of the distance after the first 10m (taking out the waste) Labor efforts coefficient = 2.000 Materials coefficient = 2.000 Machinery coefficient = 2.000	t	5,79		
51	TsH92B	Loading the trucks with soil (land) with	t	5,79		

1	2	3	4	5	6	7
		stones and boulders				
52	TsI50B5	Transportation of the ground with the dumper of 5 t at a distance of 15 km	t	5,79		
53	GD58B	Mounting protection tubes of polyethylene PE100 SDR27.6 PN6, the tube having the diameter 250x9.1 mm Small materials (detergent, marker, pasting tape) = 1.002	m	6,50		
54	GD59C	Laying the protection tube of PE100 SDR27.6 PN6, through directive horizontal drilling, executed on normal ground, for pipes having the diameter of 250x9.1 mm	m	3,00		
55	GD59A	Laying the PVC tube SN4, through directive horizontal drilling, executed on normal ground, for pipes having the diameter of 110 mm	m	3,00		
56	SB08E	Plastic sewer pipe, combined with rubber case, surface-mounted or buried under the floor, having a diameter of 110 mm	m	26,00		
57	SB08C	Plastic sewer pipe , combined with rubber case, surface-mounted or buried under the floor, having a diameter of 50 mm	m	5,00		
58	SB09E	The cleaning piece from plastic for sewerage, combined with rubber case, having a diameter of 110 mm	piece	2,00		
59	SB09E	Plastic refit for sewerage, combined with rubber fitting, with the diameter 110 mm	piece	2,00		
60	SB09C	Plastic refit for sewerage, combined with rubber case, with the diameter of 50 mm	piece	1,00		
61	SB10C	Plastic airing damper for sewerage, combined with rubber case, with the diameter of 50 mm	piece	1,00		
62	SB09E	Plastic airing damper for sewerage, combined with rubber fitting, with the diameter 110 mm	piece	1,00		
63	SB10E	Simple plastic branching at 45° for sewerage, combined with rubber fitting, with the diameter 110 mm	piece	7,00		
64	SB10E	Simple plastic branching at 45° for sewerage, combined with rubber fitting, with the diameter 110x50x110 mm	piece	1,00		
65	SB10C	Simple plastic branching at 45° for sewerage, combined with rubber fitting, with the diameter 50 mm	piece	4,00		
66	SB09E	Plastic bend 45° for sewerage, combined with rubber fitting, with the diameter 110 mm	piece	7,00		
67	SB09C	Plastic bend 45° for sewerage, combined with rubber fitting, with the diameter 50 mm	piece	4,00		
68	SB09E	Plastic refit 110/50 for sewerage, combined with rubber fittings	piece	2,00		
69	SB09E	Plastic compensator for sewerage, combined with rubber fittings, having diameter of 110 mm	piece	1,00		
70	SF04A	Performing the leak test and operation of sewerage pipes made of cast iron pipes for drain, polyvinyl chloride and non-plasticized tubes of light type or plastic, the iron pipe having a diameter up to 100 mm inclusively	10 m	3,40		

1	2	3	4	5	6	7
71	SA37F	Bracelet for fixing the pipes for water and gas supply, from steel or PVC, flush mounted through ducts having the diameter of 2"	piece	10,00		
72	SA37I	Bracelet for fixing the pipes for water and gas supply, from steel or PVC, flush mounted through ducts having the diameter of 4"	piece	10,00		
73	SA38I	Metallic clamp for fixing the ends of the fillet, the pipes having the diameter of 4"	piece	2,00		
		Chapter 1.5. Sanitary equipment				
74	SC07A1	Closet reservoir, size 630x365x410 mm, with water tank of 345x160x400 mm, assembled on the reservoir, completely equipped, lateral supply, from sanitary porcelain, placed on the floor, with the S-type internal drain-trap and antibacterial cap, from the Carina series or something similar Small materials (wooden dowels, gypsum, holscrews, adhesive, dichloroethane, etc.) = 1.030	piece	4,00		
75	SC04C	Sink from sanitary porcelain, having the size 600x415x220(h) mm, with the drainage pipe of plastic, mounted on a semi-pedestal of 220x280x315(h) mm from Carina series or something similar Small materials (wooden dowel, gypsum, adhesive etc.) = 1.020	piece	4,00		
76	SD04A	Mixing battery for the washbasin for cold/hot water, from chrome, with mixer, timed at 6-8 seconds, having the connecting diameter 1/2"	piece	4,00		
77	SD03A	Mixing battery for the washbasin from chrome, having the length of the boom 225 mm, water flow 14 l/min, the connectors having the diameter of 1/2" from the series Ideal Standart Small material (hemp, tows, linseed oil, etc.) = 1.005	piece	1,00		
78	SD12A	Over-pressure valve with bow for connection with threaded sleeves, with the diameter 1/2" Small materials (hemp tows, lead minium primer, etc.) = 1.020	piece	2,00		
79	SB02A	Linking pieces (welded steel funnel with D=100 mm, with anti-corrosive protection of the metal) made of steel for sewerage, sealed with tarred rope and lead, having the nominal diameter of 50 mm Small materials (steel wire, concrete steel, gypsum, etc.) = 1.030	piece	2,00		
80	SB28A	Siphon from polypropylene, with shutter having the exit diameter of 32 mm Small materials (cement, sand, water, etc.) = 1.010	piece	1,00		
Total			USD			
Social and medical insurance			27,50 %			
Transport costs			%			
Supply storage costs			%			

1	2	3	4	5	6	7
Total			100,00 +			
Expenditure on directing			%			
Total			100,00 +			
Benefit of consideration			%			
82	AcB01A	Chapter 2.2. Sewerage C1 Assembling the fitting with manual or mechanic triggering (valves, taps, faucets) on the water supply or sewerage pipes, with the diameter 50-100 mm Small materials and assembling (fitting, screws, etc.) = 1.040	piece			
83	AcB09A	Assembling devices for electrical triggering of fillets Small materials (electricity conductors, tin, cable ditch, etc.) = 1.030	piece	2,00		
		Chapter 2.3. Sanitary equipment				
84	SE44A	Electrical water heater, having the capacity of 50 liters, mounted on consoles fixed into the wall	piece	1,00		
85	SE44B	Electrical water heater, having the capacity of 100 liters, mounted on consoles fixed into the wall	piece	1,00		
86	SD17B	Internal hydrant with the following composition: fire tap with valve Dn=50mm, suspended wall case 800x600x210 mm - 1 piece, linen hose with Dn=50 mm and L=20 m with connection valves - 1 piece, under-pressure connection head with valve of type ГМ Dn=50 mm - 2 pieces, fire trunk of type PC-6 - 1 piece Small materials (hemp tows, lead minium primer, gypsum, etc.) = 1.050	piece			
		Chapter 2.2. Sewerage C1		1,00		
82	AcB01A	Assembling the fitting with manual or mechanic triggering (valves, taps, faucets) on the water supply or sewerage pipes, with the diameter 50-100 mm Small materials and assembling (fitting, screws, etc.) = 1.040	piece	1,00		
83	AcB09A	Assembling devices for electrical triggering of fillets Small materials (electricity conductors, tin, cable ditch, etc.) = 1.030	piece	2,00		
Total			USD			
Social and medical insurance			27,50 %			
Transport costs			%			
Supply storage costs			%			
Total			100,00 +			
Expenditure on directing			%			
Total			100,00 +			
Benefit of consideration			%			
		Chapter 3. Equipment Chapter 3.1. Aqueduct A1				
87	Supplier price	Grate-based filter for impurities 1/2"	piece	2,00		
		Chapter 3.2. Sewerage C1				

1	2	3	4	5	6	7
88	Supplier price	2-chamber sewerage shutter made of ABS with electric drive and electronic control unit Dn=100mm; HL710.2EPC	set.	1,00		
		Chapter 3.3. Sanitary equipment				
89	Supplier price	Electrical preparation of hot water V=50 l	piece	1,00		
90	Supplier price	Electrical preparation of hot water V=100 l	piece	1,00		
91	Supplier price	Extinguisher ОП-5	piece	4,00		
92	Supplier price	Indicator for hydrant	piece	2,00		
Total			USD			
Supply storage costs			%			

Total:

Total value:

Elaborated

(function, signature, name, first name)

Verified

(function, signature, name, first name)

**Partial re-systematization of the
non-residential premises located
in the basement of the buildings
with the cadaster number
010020527701 and 010020527702
located in Chisinau city, 75
Stefan cel Mare Avenue**

Formular Nr.1
WinCmeta2000

(name of the site)

**List with quantities of works No. 2-1-3
Heating, ventilation and air-conditioning systems Phase 1.
(06/2017-IVC)**

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume	Unit Price, USD (including salary)	Total, (col.5 x col.6) USD
1	2	3	4	5	6	7
		Chapter 1. Construction works Chapter 1.1. Heating system				
1	IB05A	Aluminum radiators, radiator body with 4 elements, H=500 mm, B=100 mm	piece	1,00		
2	IB05A	Aluminum radiators, radiator body with 10 elements, H=500 mm, B=100 mm	piece	1,00		
3	IB05B	Aluminum radiators, radiator body with 11 elements, H=500 mm, B=100 mm	piece	1,00		
4	IB05B	Aluminum radiators, radiator body with 12 elements, H=500 mm, B=100 mm	piece	1,00		
5	IB05B	Aluminum radiators, radiator body with 13 elements, H=500 mm, B=100 mm	piece	1,00		
6	IB05B	Aluminum radiators, radiator body with 15 elements, H=500 mm, B=100 mm	piece	2,00		
7	IB20A	Support elements for the heating bodies, assembled in the brick wall.	piece	40,00		
8	IC30D	Soft cast iron fittings, with 2 screw- threads, assembled by bolting with the steel pipe, having the diameter 1" (radiator plug)	piece	10,00		
9	IC30D	Soft cast iron fittings, with 2 screw- threads, assembled by bolting with the steel pipe, having the diameter 1" (radiator plug with thread 1/2")	piece	30,00		
10	ID06A	Airing tap with mobile key for central heating installations, having the nominal diameter 1/2"	piece	10,00		
11	ID01A	Swing tap assembled before the heating bodies, for central heating installations, having the nominal diameter of 1/2"	piece	10,00		
12	ID01A	Return tap assembled after the heating bodies, for central heating installations, having the nominal diameter of 1/2"	piece	10,00		
13	ID02A	Thermostatic head for regulating temperature, for central heating installations, having the nominal diameter of 1/2"	piece	10,00		
14	ID04A	Sphere - type tap with sleeves for central heating installations, having the nominal	piece	4,00		

1	2	3	4	5	6	7
		diameter 3/4"				
15	ID04A	Sphere - type tap with sleeves for central heating installations, having the nominal diameter 1"	piece	2,00		
16	ID06A	Automated airing tap for central heating installations, having the nominal diameter 1/2"	piece	2,00		
17	ID04A	Sphere - type tap with sleeves for central heating installations, having nozzle for connecting the hose (to empty up the installation), with the nominal diameter 1/2"	piece	4,00		
18	IC11A	Steel pipe assembled by welding in central heating installations, the pipe having the external diameter and thickness of the wall of 15x2.2 mm	m	15,00		
19	IC11B	Steel pipe assembled by welding in central heating installations, the pipe having the external diameter and thickness of the wall of 20x2.8 mm	m	280,00		
20	IC11C	Steel pipe assembled by welding in central heating installations, the pipe having the external diameter and thickness of the wall of 25x2.8 mm	m	4,00		
21	IC40A	Bracket for fixing the steel pipes for central heating installation, assembled through gimlets - 3/4"	piece	280,00		
22	IC40A	Bracket for fixing the steel pipes for central heating installation, assembled through gimlets - 1"	piece	4,00		
23	IE03A	Performing the leakage test under pressure for the conducts supplying the heating appliances (heaters, thermo-convectors, baseboard convectors, etc.) having a diameter of 3/8 " ... 1"	m	299,00		
24	IE04A	Performing the dilatation - contracting test and the operation test for the conducts supplying the heating appliances (heaters, thermo-convectors, baseboard convectors, etc.) having a diameter of 3/8 " ... 1"	m	299,00		
25	IE01A	Performing the under pressure impermeability testing of the central heating installation, having pipes from steel, copper, polyethylene or polypropylene, with heating bodies, heating devices, fittings, distributors, collectors, reservoirs, and airing taps, with the total area of the heating bodies up to 100 m2	m2	18,40		
26	IE02A	Performing the under pressure impermeability testing of the central heating installation, having pipes from steel, copper, polyethylene or polypropylene, with heating bodies, heating devices, fittings, distributors, collectors, reservoirs, and airing taps, with the total area of the heating bodies up to 100 m2	m2	18,40		
27	CN23E	Paintings of superior quality of the functional installations, executed with one layer of primer FGF-021 and 2 layers of alkyd enamel PF-115 on pipes with the exterior diameter up to 34 mm	m	299,00		

1	2	3	4	5	6	7
		inclusively				
		Chapter 1.2. Supplying the heating radiators with heat carrier				
28	IC11F	Steel pipe assembled by welding in columns, in central heating installations, the pipe having the external diameter and thickness of the wall of 57x2.5 mm	m	35,00		
29	IC40B	Bracket for fixing the steel pipes for central heating installation, assembled through gimlets - 2"	piece	40,00		
30	CN23F	Paintings of superior quality of the functional installations, executed with one layer of primer FGF-021 and 2 layers of alkyd enamel PF-115 on pipes with the exterior diameter over 34 mm inclusively	m2	6,30		
31	IE03C	Performing the leakage test under pressure for the conducts supplying the heating appliances (heaters, thermo-convectors, baseboard convectors, etc.) having a diameter of 54 x 3.5 ... 83 x 3,5 mm	m	35,00		
32	IE04C	Performing the dilatation - contracting test and the operation test for the conducts supplying the heating appliances (heaters, thermo-convectors, baseboard convectors, etc.) having a diameter of 54 x 3.5 ... 83 x 3,5 mm	m	35,00		
33	RpIF09D	Insulating the pipes with special insulation collars, made of spumous polyethylene introduced on the pipes, with diameter and thickness from D=57x20 mm Small material = 1.050	m	35,00		
34	TfB03C1	Assembling on the pipe the round, flat flange for welding, having the Dn 50 mm	piece	4,00		
35	TfB01C1	Assembling the "butterfly" fillet made of steel, with flanges, with the nominal diameter Dn 50 mm	piece	2,00		
36	ID13D	Flowing clack with valves, installed on the gas pipes, having the nominal diameter 2"	piece	1,00		
37	ID04C	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter of 2"	piece	1,00		
38	TfD01A	Assembling on the pipe the manometer Pmax=1MPa, including the tap with 3 ways	piece	1,00		
39	TfD02A	Assembling on the pipe the thermometer Tmax=120°C	piece	1,00		
40	ID06A	Automated airing tap for central heating installations, having the nominal diameter 1/2"	piece	2,00		
		Chapter 1.3. Ventilation and air-conditioning system Phase 2				
41	CL26A	Ready-made metallic frames	kg	499,00		
42	F E03 A	Copper pipe for refrigerants with the external diameter and thickness of the wall of 6.4 x 1.0 mm	m	50,00		
43	F E03 B	Copper pipe for refrigerants with the external diameter and thickness of the wall of 9.5 x 1.0 mm	m	70,00		

1	2	3	4	5	6	7
44	F E03 B	Copper pipe for refrigerants with the external diameter and thickness of the wall of 12.7 x 1.0 mm	m	30,00		
45	F E03 C	Copper pipe for refrigerants with the external diameter and thickness of the wall of 15.9 x 1.0 mm	m	70,00		
46	F E03 D	Copper pipe for refrigerants with the external diameter and thickness of the wall of 22.2 x 1.0 mm	m	20,00		
47	F E03 D	Copper pipe for refrigerants with the external diameter and thickness of the wall of 28.6 x 1.0 mm	m	40,00		
48	F I03 A	Pneumatic test of the pipes and fittings for chlorate agents, having the nominal diameter of 5...40 mm	m	280,00		
49	RpIF09A	Insulating the copper pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D=6x6 mm Small material = 1.050	m	50,00		
50	RpIF09A	Insulating the copper pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D = 10x6 mm Small material = 1.050	m	70,00		
51	RpIF09A	Insulating the copper pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D = 12x6 mm Small material = 1.050	m	30,00		
52	RpIF09A	Insulating the copper pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D = 16x6 mm Small material = 1.050	m	70,00		
53	RpIF09A	Insulating the copper pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D = 22x6 mm Small material = 1.050	m	20,00		
54	RpIF09A	Insulating the copper pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D = 28x6 mm Small material = 1.050	m	40,00		
55	F E03 D	Copper pipe for refrigerants with the external diameter and thickness of the wall of 22.2 x 1.0 mm	m	35,00		
56	F E03 D	Copper pipe for refrigerants with the external diameter and thickness of the wall of 28.6 x 1.0 mm	m	35,00		
57	RpIF09A	Insulating the copper pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D = 22x6 mm Small material = 1.050	m	35,00		
58	RpIF09A	Insulating the copper pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D = 28x6 mm Small material = 1.050	m	35,00		
59	F I03 A	Pneumatic test of the pipes and fittings for chlorate agents, having the nominal	m	70,00		

1	2	3	4	5	6	7
		diameter of 5...40 mm				
60	F E03 B	Copper pipe for refrigerants with the external diameter and thickness of the wall of 12.7 x 1.0 mm	m	80,00		
61	F E03 C	Copper pipe for refrigerants with the external diameter and thickness of the wall of 15.9 x 1.0 mm	m	80,00		
62	RpIF09A	Insulating the copper pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D = 12x6 mm Small material = 1.050	m	80,00		
63	RpIF09A	Insulating the copper pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D = 16x6 mm Small material = 1.050	m	80,00		
64	F I03 A	Pneumatic test of the pipes and fittings for chlorate agents, having the nominal diameter of 5...40 mm	m	160,00		
65	CL20A	Ready-made aluminum ventilation grids, equipped with a clack valve for air consumption and with manually regulated blinds in horizontal and vertical direction, assembled on masonry of VNM type, size 720x220 mm	piece	14,00		
66	CL20A	Ready-made aluminum ventilation grids, equipped with a clack valve for air consumption and with manually regulated blinds in horizontal and vertical direction, assembled on masonry of VNM type, size 560x200 mm	piece	2,00		
67	CL20A	Ready-made aluminum ventilation grids, equipped with a clack valve for air consumption and with manually regulated blinds in horizontal and vertical direction, assembled on masonry of VNM type, size 525x200 mm	piece	2,00		
68	CL20A	Ready-made aluminum ventilation grids, equipped with a clack valve for air consumption and with manually regulated blinds in horizontal and vertical direction, assembled on masonry of VNM type, size 425x200 mm	piece	1,00		
69	CL20A	Ready-made aluminum ventilation grids, with manually regulated blinds in horizontal direction, assembled on masonry, size 200x120 mm	piece	4,00		
70	CL20A	Ready-made aluminum ventilation grids, with manually regulated blinds in horizontal direction, assembled on masonry, size 560x220 mm	piece	9,00		
71	CL20A	Ready-made aluminum ventilation grids, with manually regulated blinds in horizontal direction, assembled on masonry, size 525x220 mm	piece	5,00		
72	CL20A	Ready-made aluminum ventilation grids, with manually regulated blinds in horizontal direction, assembled on masonry, size 525x200 mm	piece	3,00		
73	CL20A	Ready-made aluminum ventilation grids, with manually regulated blinds in horizontal direction, assembled on	piece	1,00		

1	2	3	4	5	6	7
		masonry, size 425x200 mm				
74	VA22E	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 3600 mm: 1000x350 mm Small materials (wipers, silicon)=1,010	m2	8,10		
75	VA22E	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 3600 mm: 900x500 mm Small materials (wipers, silicon)=1,010	m2	19,60		
76	VA22D	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 2000 mm. 600x300 mm Small materials (wipers, silicon)=1,010	m2	43,20		
77	VA22D	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 2000 mm. 600x350 mm Small materials (wipers, silicon)=1,010	m2	4,75		
78	VA22D	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 2000 mm. 720x220 mm Small materials (wipers, silicon)=1,010	m2	5,64		
79	VA22C	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 1800 mm. 560x220 mm Small materials (wipers, silicon)=1,010	m2	0,78		
80	VA22C	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 1800 mm. 500x300 mm Small materials (wipers, silicon)=1,010	m2	16,80		
81	VA22C	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 1800 mm. 500x250 mm Small materials (wipers, silicon)=1,010	m2	3,00		
82	VA22C	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 1800 mm. 525x200 mm Small materials (wipers, silicon)=1,010	m2	0,73		
83	VA22C	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 1800 mm. 400x250 mm Small materials (wipers, silicon)=1,010	m2	10,40		
84	VA22B	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm	m2	3,85		

1	2	3	4	5	6	7
		thickness, having the perimeter: up to 1200 mm: 300x250 mm Small materials (wipers, silicon)=1,010				
85	VA22B	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 1200 mm: 300x200 mm Small materials (wipers, silicon)=1,010	m2	6,00		
86	VA22B	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 1200 mm: 300x100 mm Small materials (wipers, silicon)=1,010	m2	8,00		
87	IzH07B	Insulating the ducts with spumous polyethylene cushions covered with one layer of self-adhesive aluminum foil, having the thickness of 10 mm	m2	137,29		
88	VA21B	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.5 mm thickness, having the perimeter: 800-1000 mm. 250x200 mm Small materials (wipers, silicon)=1,010	m2	3,60		
89	VA21B	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.5 mm thickness, having the perimeter: 800-1000 mm. 250x100 mm Small materials (wipers, silicon)=1,010	m2	1,05		
90	VA21B	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.5 mm thickness, having the perimeter: 800-1000 mm. 200x200 mm Small materials (wipers, silicon)=1,010	m2	7,20		
91	VA21A	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel of 0.5 mm thickness, having the perimeter up to 600 mm 200x100 mm Small materials (wipers, silicon)=1,010	m2	3,00		
92	VA21A	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel of 0.5 mm thickness, having the perimeter up to 600 mm 150x150 mm Small materials (wipers, silicon)=1,010	m2	1,50		
93	IzH07B	Insulating the ducts with spumous polyethylene cushions covered with one layer of self-adhesive aluminum foil, having the thickness of 10 mm	m2	18,11		
94	VA22A	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel of 0.7 mm thickness, having the perimeter up to 700 mm 150x150 mm Small materials (wipers, silicon)=1,010	m2	7,20		
95	VA22E	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 3600 mm: 1000x400 mm	m2	9,80		

1	2	3	4	5	6	7
		Small materials (wipers, silicon)=1,010				
96	IzH07B	Insulating the ducts with mineral wool cushions covered with one layer of aluminum foil, having the thickness of 50 mm	m2	23,20		
97	IzI23B	Protecting the thermal insulation with aluminum foil 1 mm thick, fixed with aluminum bands on the pipes Small materials (planks, scaffolding, nails, etc.) = 1.030	m2	23,20		
98	VA22E	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 3600 mm: 800x500 mm Small materials (wipers, silicon)=1,010	m2	20,80		
99	VA22E	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 3600 mm: 800x400 mm Small materials (wipers, silicon)=1,010	m2	4,80		
100	VA22E	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 3600 mm: 800x300 mm Small materials (wipers, silicon)=1,010	m2	5,50		
101	VA22E	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 3600 mm: 700x400 mm Small materials (wipers, silicon)=1,010	m2	17,60		
102	VA22D	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 2000 mm. 700x300 mm Small materials (wipers, silicon)=1,010	m2	9,00		
103	VA22C	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 1800 mm. 600x300 mm Small materials (wipers, silicon)=1,010	m2	9,00		
104	VA22C	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 1800 mm. 500x300 mm Small materials (wipers, silicon)=1,010	m2	11,20		
105	VA22C	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 1800 mm. 500x300 mm Small materials (wipers, silicon)=1,010	m2	25,20		
106	VA22B	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 1200 mm: 300x300 mm Small materials (wipers, silicon)=1,010	m2	8,40		

1	2	3	4	5	6	7
107	VA22B	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 1200 mm: 300x200 mm Small materials (wipers, silicon)=1,010	m2	3,50		
108	VA22B	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 1200 mm: 300x100 mm Small materials (wipers, silicon)=1,010	m2	20,80		
109	VA21B	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.5 mm thickness, having the perimeter: 800-1000 mm. 250x250 mm Small materials (wipers, silicon)=1,010	m2	1,50		
110	VA21B	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.5 mm thickness, having the perimeter: 800-1000 mm. 250x200 mm Small materials (wipers, silicon)=1,010	m2	1,35		
111	VA21B	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.5 mm thickness, having the perimeter: 800-1000 mm. 200x200 mm Small materials (wipers, silicon)=1,010	m2	8,00		
112	VA21B	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.5 mm thickness, having the perimeter: 800-1000 mm. 250x100 mm Small materials (wipers, silicon)=1,010	m2	1,75		
113	VA21A	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel of 0.5 mm thickness, having the perimeter up to 600 mm 200x100 mm Small materials (wipers, silicon)=1,010	m2	3,60		
114	VA21A	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel of 0.5 mm thickness, having the perimeter up to 600 mm 150x150 mm Small materials (wipers, silicon)=1,010	m2	6,30		
115	VA21A	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel of 0.5 mm thickness, having the perimeter up to 600 mm 150x100 mm Small materials (wipers, silicon)=1,010	m2	1,75		
116	VA16J	Special piece (branching), of galvanized steel board of 0,9 mm thick, having the perimeter of the rectangular section of 2500 - 4000 mm (900x500x680 mm)	m2	2,80		
117	VA11I	Special piece (reduction 800x400/500x400), of galvanized steel board of 0.7 mm thick, having the perimeter of the rectangular section of 1600 - 2500 mm	m2	0,27		
118	VB02A	Control flap, spangle, installed on	piece	1,00		

1	2	3	4	5	6	7
		rectangular ditches type CFR-I, CFR-II, with the section 150x150 mm				
119	CR30A	Subdivisions of panels with braided galvanized wire	m2	0,50		
120	SA15B	Polypropylene pipe, PN10, joined by poly-fusion welding, having the diameter of 20*2.0 mm	m	88,00		
121	SA16A	Polypropylene pipe, PN10, joined by poly-fusion welding, having the diameter of 25*2.5 mm	m	2,00		
122	SA16B	Polypropylene pipe, PN 10, joined by poly-fusion welding, having the diameter of 32*3.0 mm	m	25,00		
123	SF01C	Performing the sealing pressure test for the installation of hot or cold water, executed on the hard-type polyvinyl chloride pipes, having the diameter of 16-110 mm	m	115,00		
124	IC40A	Bracket for fixing the steel pipes for central heating installation, assembled through gimlets - 3/4"	piece	88,00		
125	IC40A	Bracket for fixing the steel pipes for central heating installation, assembled through gimlets - 1"	piece	2,00		
126	IC40B	Bracket for fixing the steel pipes for central heating or gas installation, assembled through gimlets of 1 1/4"	piece	25,00		
		Chapter 1.4. Dismounting works				
127	RpVC37A	Dismantling the centrifugal or pivotal ventilators, on concrete foundations or on the metal stand, having the weight 50-400 kg	piece	4,00		
128	RpCP44A	Dismantling the metallic constructions with recovery of materials Small materials (vaseline, petrol, wipers, etc.) = 1.050	kg	3 500,00		
129	RpIB11A	Dismantling the radiators to be liquidated	m2	6,30		
130	RpIC18A	Dismantling the black pipe, for installations, assembled in the central heating installation by screwing, in social purpose and dwelling buildings, when linking the distribution devices, columns etc. with a diameter of 3/8" -3/4" Small materials (oxygen, carbide) = 1.050	m	200,00		
131	RpIC18B	Dismantling the black pipe, for installations, assembled in the central heating installation by screwing, in social-cultural purpose and dwelling buildings, when linking the distribution devices, columns etc. with a diameter of 1"-1 1/4" Small materials (oxygen, carbide) = 1.050	m	70,00		
132	RpVC40A	Dismantling the air filtering of any type and capacity, having the total weight of 50-200 kg	piece	21,00		
Total			USD			
Social and medical insurance			27,50 %			
Transport costs			%			
Supply storage costs			%			

1	2	3	4	5	6	7
Total			100,00 +			
Expenditure on directing			%			
Total			100,00 +			
Benefit of consideration			%			
		Chapter 2. Mounting works				
		Chapter 2.1. Supplying the heating radiators with heat carrier				
133	SE56A	Filter for drinking water, with threaded sleeves to be installed on the pipe, with the dimension of 2” Small materials (hemp tows, lead minium primer, etc.) = 1.010	piece	1,00		
134	IA24C	Elevator for joining the central heating installation (with hot water) with the hot water network, having the entry diameter of the nozzle of 47...59 mm	piece	1,00		
		Chapter 2.2. Ventilation and air-conditioning system Phase 2				
135	VC17A	Mounting the device of air conditioning, ACM type, modulated, meant for complex treatment of the fresh air or recirculated air, having the treated air flow of 3.600 - 11.000 m3/h (system K1) Small materials (water, petrol, wipers, electricity, etc.) =1,005	piece	3,00		
136	VC22A	Mounting the metal chambers for treating the air of 1200-4000 kg (internal blocks for K1 system) Small materials and assembling (fittings, cloth, petrol, etc.) = 1.003	piece	10,00		
137	F E05 A adjusted	Bifurcation element mounted on the pipe	piece	10,00		
138	VC18A	Mounting the device of air conditioning, special, modulated, type ACM-5, for mixing, filtering, heating, humidification, cooling, post-heating, ventilation, distribution, noise mitigation, having the treated air flow of 3.500 - 12.000 m3/h (system K2) Small materials (water, petrol, wipers, electricity, etc.) =1,005	piece	1,00		
139	VC17A	Mounting the device of air conditioning, ACM type, modulated, meant for complex treatment of the fresh air or recirculated air, having the treated air flow of 3.600 - 11.000 m3/h (system K2 ext) Small materials (water, petrol, wipers, electricity, etc.) =1,005	piece	1,00		
140	08-03-601-1	Command switchboard of VCS type	piece	1,00		
141	11-03-011-03	Devices for testing the physical-chemical content of substances: device, complexity category: III (NS)	set	2,00		
142	VC37A	Installing the domestic air conditioning appliances (split- system), the engine power up to 4.5 kW, on the stairs Small material = 1.050	piece	2,00		
143	VC05B	Assembling the pivotal ventilators, with leaf pallets, in ventral anti-explosion constructions, of low pressures, both	piece	1,00		

1	2	3	4	5	6	7
		involved directly with coupling, with the flow 6.000-20.000 m3/h with electrical engine 0,77 - 5.5 kw (system B1) Small materials (fittings, wipers, petrol, etc.) = 1.050				
144	VB18B	Noise apparatus, rectangular with the perimeter 2000 - 3200 mm	piece	1,00		
145	RpIA10B	Assembling flexible inlets Small materials and assembling (fitting, screws, paint, etc.) = 1.040	piece	2,00		
146	AcB01G	Assembling the fitting with manual triggering, emetic valve of type ГК ИА01010-xxx, in ducts supplied with air Small materials and assembling (fitting, screws, etc.) = 1.020	piece	8,00		
147	CK12A	Metallic doors manufactured from rolled iron profiles, steel-band cold-cut profiles, including necessary coat and accessories for the doors assembled in walls of any type of construction, with height up to 35 m inclusively, within one leaf, with the area of the case between 7 m2 inclusively	m2	8,12		
148	VC23A	Metal door, sealed for air and drops, with or without control window, with close-up with special handlers and hinges, including the rubber fittings (anti-explosion section) Small materials and assembling (fittings, cloth, petrol, etc.) = 1.002	kg	405,00		
149	AcB01G	Assembling the fitting with manual or mechanic triggering (valve) on the air supply pipes Small materials and assembling (fitting, screws, etc.) = 1.020	piece	1,00		
150	VC07A	Mounting axial fans, window fans, type VF 315 - VF 900, with the weight of 3.6 - 8.2 kg, with engine of 0.25 to 0.55 kW (TD-500/100) Small materials and assembling (screws, oxygen, carbide etc.) = 1.010	piece	1,00		
151	AcB01G	Assembling the fitting with manual or mechanic triggering (valve) on the air supply pipes Small materials and assembling (fitting, screws, etc.) = 1.020	piece	4,00		
152	AcB09A	Assembling devices for electrical triggering of air valves Small materials (electricity conductors, tin, cable ditch, etc.) = 1.030	piece	4,00		
Total			USD			
Social and medical insurance			27,50 %			
Transport costs			%			
Supply storage costs			%			
Total			100,00 +			
Expenditure on directing			%			
Total			100,00 +			
Benefit of consideration			%			
		Chapter 3. Equipment Chapter 3.1. Supplying the heating				

1	2	3	4	5	6	7
		radiators with heat carrier				
153	Supplier price	Filter with grate, sleeves 2"	piece	1,00		
154	Supplier price	Mixing nozzle size 90x860 mm, pipe bundle - 1 ", weight of the node - 7.50 kg, maximum temperature of the agent - 105C, maximum water pressure 1.0 Mpa, in the following component: 1. Water circulation pump - Hmax = 7.0 m, N = 52W, IP44, 230V, 50Hz; 2. Three-way valve Dn = 20 mm, Kvs 6.3; 3. Actuator U = 24V, 1.50 W, 35 sec, rotating torque - 5Nm 4. Cleaning filters 5. Flow control and discharge valve 6. Inlet valve 7. Closing valves 8. Anti-vibration stainless steel connections 8. Temperature transducer of the thermal protection agent against frost	set	1,00		
		Chapter 3.2. Ventilation and air-conditioning system Phase 2				
155	Supplier price	Conditioner (outdoor block), dimensions LxBxH - 1980 x 780 x 1830 mm, overall weight - 484 kg, capacity range - 16HP, with cold output (heat) 45.0 (50.00) kW, maximum power output 11.06 kW, EER / SEER / ESEER - 4.13 / 7.26 / 7.64, refrigerant mass R410A for system filling - 23 kg, U = 380V, 50Hz, noise level max 81dB, air flow 2x9900 m3 / h, gas connection pipe connection diameter (liquid) - 1 1/8 "(5/8"), cooling in outdoor temperature range -5 °C / + 43°C, maximum equivalent length - 220 m, real maximum length - 180 m	piece	1,00		
156	Supplier price	Conditioner (outdoor block), overall dimensions LxBxH - 990 x 780 x 1830 mm, overall weight - 242 kg, capacity range - 8HP, with cold output 22.40 (25.00) kW, power consumption 5.53 kW, EER / SEER / ESEER - 4.15 / 7.30 / 7.67, refrigerant R410A refrigerant for system filling - 11.50 kg, U = 400V, 50Hz, 78dB noise level, 9900 m3 / h, gas connection diameter liquid) - 7/8 "(1/2"), cooling in outdoor temperature range -5 °C / + 43°C, maximum equivalent length - 210 m, real maximum length - 170 m	piece	2,00		
157	Supplier price	Conditioner (indoor block) Wall-mounted, LxBxH - 1050x228x320 mm, with 2.80 (3.20) kW, power consumption 0.021 kW, U = 230V, 50Hz, max 52dB noise level, airflow (min / max) 390/600 m3 / h, 16 mm drain pipe connection diameter, 3/8 "(1/4") gas supply connection pipe diameter, built-in air filter including the cost of the wired control module, programmable for 7 days (start / stop time, temperature, fan speed adjustment, air discharge angle), LCD screen, connection up to 8 indoor blocks, temperature programming range 0.5°C, with keypad lock function, 2 programming keys (F1 and F2) and direct access to programming block functions	piece	1,00		

1	2	3	4	5	6	7
158	Supplier price	Conditioner (indoor block) Wall mounting, LxBxH - 1050x228x320 mm, with cold output (heat) 2.20 (2.50) kW, power consumption 0.018 kW, U = 230V, 50Hz, noise level max 50dB, airflow (min / max) 390/570 m3 / h, 16 mm drainage pipe connection diameter, 3/8 "(1/4") gas supply pipe connection diameter, exclusive incorporation air filter 7-day programmable start time (start / stop time, temperature, fan speed adjustment, air discharge angle), LCD screen, connection up to 8 indoor blocks, 0.5 programmable temperature range 'C' with keypad lock function, 2 programming keys (F1 and F2) and direct access to the programming block functions	piece	3,00		
159	Supplier price	Conditioner (indoor block) ceiling mounting, dimensions LxBxH - 210x600x1750 mm, with heat output 5.60 (6.30) kW, power consumption 0.038 kW, U = 230V, 50Hz, noise level 61dB, (min / max) 660/900 m3 / h, connection diameter of the drainage pipes - 20 mm, gas connection (fluid) - 1/2 "(1/4") , including the cost of wired control modules, programmable for 7 days (start / stop time, temperature, fan speed adjustment, air discharge angle), LCD screen, connectivity up to 8 indoor blocks, programming interval temperature 0.5'C with keypad lock function, 2 programming keys (F1 and F2) and direct access to programming block functions	piece	4,00		
160	Supplier price	Conditioner (indoor block) ceiling mounting, dimensions LxBxH - 210x600x1750 mm, with cold output 7.10 (8.00) kW, power consumption 0.050 kW, U = 230V, 50Hz, noise level max 64dB, (min / max) 840/1200 m3 / h, 20 mm drainage pipe connection diameter, 5/8 "(3/8") gas supply pipe connection diameter, built-in air filter , including the cost of wired control modules, programmable for 7 days (start / stop time, temperature, fan speed adjustment, air discharge angle), LCD screen, connectivity up to 8 indoor blocks, programming interval temperature 0.5'C with keypad lock function, 2 programming keys and direct access to programming block functions (F1 and F2)	piece	2,00		
161	Supplier price	Bifurcation of type RBM-BY55E	piece	4,00		
162	Supplier price	Bifurcation of type RBM-BY105E	piece	3,00		
163	Supplier price	Bifurcation of type RBM-BY205E	piece	2,00		
164	Supplier price	Bifurcation of type RBM-BT24E	piece	1,00		
165	Supplier price	Refrigerant of type R410	kg	21,00		

1	2	3	4	5	6	7
166	Supplier price	Radial low-pressure fan mounted on the channel, flange connection section 900x500 mm, sectional area 985x590 mm, propeller diameter 450 mm, Q = 5710 m ³ / h, H = 1092 Pa, N = 2.90 kW, n = 2122 rot/min, U = 380V, 50Hz, power variant - S	piece	1,00		
167	Supplier price	Ventilation duct valve 900x500 mm flange connection section with electric actuator N = 0.065kW, U = 230V	piece	1,00		
168	Supplier price	Air filter type F5, connection flange section 900x500h mm with insertion for filter and differential pressure transducer mounting	piece	1,00		
169	Supplier price	Heat-operating air heating battery, 900x500 mm flange connection section in 2 rows	piece	1,00		
170	Supplier price	Direct action air cooler, 900x500 mm flange connection section / 3 rods with drop separator and capillary thermostat	piece	1,00		
171	Supplier price	Flexible connector for fans, flange, section 900x500 mm	piece	2,00		
172	Supplier price	Noise attenuator, rectangular with flanges, section 1000x500 mm	piece	2,00		
173	Supplier price	VCS switchboard in set with the EC controller	piece	1,00		
174	Supplier price	Detector for protection against frost NS 120	piece	1,00		
175	Supplier price	Detector for protection against frost NS 130 R	piece	1,00		
176	Supplier price	Conditioner 37.56 (38.86) kW, power consumption 12.28 kW, U = 380V, 50Hz, air flow rate 12330 m ³ / h	piece	1,00		
177	Supplier price	Conditioner. Inside block Overall dimensions LxBxH - 850x885x350 mm, 60dB, with 1 radial fan, U = 230V, 50Hz, power consumption 0.16 kW, air flow rate in cooling function 1100 m ³ / h., External block Overall dimensions LxBxH - 1050x492x695 mm, 48dB, U = 380V, 50 Hz, power consumption 2.16 kW, operating with refrigerant type R407C, refrigerant load 3.60 kg	set	2,00		
178	Supplier price	Radial low-pressure fan, mounted on the channel, flange connection section 800x500 mm, gauge section 885x625 mm, propeller diameter 500 mm, Q = 5310 m ³ / h, H = 800 Pa, N = 2,60 kW, n = 1806 rot / min, U = 380V, power variant - S	piece	1,00		
179	Supplier price	Flexible connection to fans with 800x500 mm flange section	piece	2,00		
180	Supplier price	Rectangular noise damper 1000x500 Noise attenuator, rectangular with 1000x500 mm flanges	piece	1,00		
181	Supplier price	Hermetic valve with manual triggering for ventilation ducts D=400 mm, of type ГК ИА 01010-400	piece	4,00		
182	Supplier price	Hermetic valve with manual triggering for ventilation ducts D=600 mm, of type ГК ИА 01010-600	piece	2,00		
183	Supplier price	Hermetic valve with manual triggering for ventilation ducts D=150 mm, of type ГК ИА 01010-150	piece	2,00		

1	2	3	4	5	6	7
184	Supplier price	Hermetic doors of metal according to the type CY-II-1	piece	5,00		
185	Supplier price	Hermetic doors of metal according to the type CY-IV-1	piece	2,00		
186	Supplier price	Anti-explosion section of type Y3C-8	piece	5,00		
187	Supplier price	Excessive pressure valve for ventilation ducts D=150 mm, of type КИДМ-150	piece	1,00		
188	Supplier price	Channel mounted fan, D = 150 mm, Q200 m3 / h, P = 200Pa, N = 0.05kW n = 2500 rpm, U = 230V, 50Hz	piece	1,00		
189	Supplier price	Anti-fire valve "normally open" D=150 mm, with the electrical triggering device, of type КЛЮП-1 150	piece	1,00		
190	Supplier price	Anti-fire valve "normally open" 300x200 mm, with the electrical triggering device, of type КЛЮП-1 300x200	piece	2,00		
191	Supplier price	Anti-fire valve "normally open" 200x200 mm, with the electrical triggering device, of type КЛЮП-1(60) 200x200	piece	1,00		
Total			USD			
Supply storage costs			%			

Total:

Total value:

Elaborated

(function, signature, name, first name)

Verified

(function, signature, name, first name)

**Partial re-systematization of the
non-residential premises located
in the basement of the buildings
with the cadaster number
010020527701 and 010020527702
located in Chisinau city, 75
Stefan cel Mare Avenue**

(name of the site)

Formular Nr.1
WinCmeta2000

**List with quantities of works No. 2-1-4
Power and lighting equipment (06/2017-EEF/IEI)**

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume	Unit Price, USD (including salary)	Total, (col.5 x col.6) USD
1	2	3	4	5	6	7
		Chapter 1. Construction works				
1	RpCU05F 1	Executing the perforation for the pipes or ties in the walls of stones or reinforced concrete of 16 -25 cm thickness, for executing mechanized perforations	piece	43,00		
2	RpCU05I1	Executing the perforation for the pipes or ties in the walls of stone or reinforced concrete of 26- 50 cm thickness, for executing mechanized perforations	piece	75,00		
Total			USD			
Social and medical insurance			27,50 %			
Total			100,00 +			
Expenditure on directing			%			
Total			100,00 +			
Benefit of consideration			%			
		Chapter 2. Mounting works				
3	08-03-573- 4	Mounting the applicable distribution board, of metal, IP54, ABP-100-160, with lock, key and applied inscription	piece	1,00		
4	08-03-573- 4	Mounting the applicable distribution board, of metal, IP54, ПП11-3084- 54y3.1, with lock, key and applied inscription	piece	1,00		
5	08-03-522- 1	Switcher with lever on a plate with central or lateral trigger or trigger with a bar, mounted on metallic support, mono- pole, power up to 250 A	piece	1,00		
6	08-03-526- 1	Mono-, bi-, three-poles automate, mounted on the wall or column construction, power up to 25 A (BA47- 100)	piece	11,00		
7	08-03-526- 2	Mono-, bi-, three-pole automate, mounted on the wall or column construction, power up to 100 (BA47- 100)	piece	1,00		
8	08-03-573- 4	Mounting the applicable distribution board, 18 modules, of metal, IP31,	piece	1,00		

1	2	3	4	5	6	7
		265x440x120 mm, with lock, key and applied inscription				
9	08-03-526-1	Mono-, bi-, three-poles automate, mounted on the wall or column construction, power up to 25 A (BH-32)	piece	1,00		
10	08-03-526-1	Mono-, bi-, three-poles automate, mounted on the wall or column construction, power up to 25 A (BA47-29)	piece	9,00		
11	08-03-526-1	Mono-, bi-, three-poles automate, mounted on the wall or column construction, power up to 25 A (ABДТ-32)	piece	3,00		
12	08-03-573-4	Mounting the applicable distribution board, 12 modules, of metal, IP31, 240x330x120 mm, with lock, key and applied inscription	piece	1,00		
13	08-03-526-1	Mono-, bi-, three-poles automate, mounted on the wall or column construction, power up to 25 A (BH-32)	piece	1,00		
14	08-03-526-1	Mono-, bi-, three-poles automate, mounted on the wall or column construction, power up to 25 A (BA47-29)	piece	3,00		
15	08-03-573-4	Mounting the applicable distribution board, 36 modules, of metal, IP31, 540x330x120 mm, with lock, key and applied inscription	piece	1,00		
16	08-03-526-2	Mono-, bi-, three-pole automate, mounted on the wall or column construction, power up to 100 (BH-32)	piece	1,00		
17	08-01-080-2	Device for measurement and protection, quantity connected extremities up to: 6 (PH)	piece	1,00		
18	08-03-526-1	Mono-, bi-, three-poles automate, mounted on the wall or column construction, power up to 25 A (BA47-29)	piece	8,00		
19	08-03-526-2	Mono-, bi-, three-pole automate, mounted on the wall or column construction, power up to 100 (BA 47-29)	piece	2,00		
20	08-03-573-4	Mounting the applicable distribution board, 24 modules, of metal, IP31, 395x310x120 mm, with lock, key and applied inscription	piece	1,00		
21	08-03-526-1	Mono-, bi-, three-poles automate, mounted on the wall or column construction, power up to 25 A (BH-32)	piece	1,00		
22	08-03-526-1	Mono-, bi-, three-poles automate, mounted on the wall or column construction, power up to 25 A (BA47-29)	piece	9,00		
23	08-03-573-4	Mounting the applicable distribution board, 24 modules, of metal, IP31, 395x310x120 mm, with lock, key and applied inscription	piece	1,00		
24	08-03-526-2	Mono-, bi-, three-pole automate, mounted on the wall or column construction, power up to 100 (BH-32)	piece	1,00		
25	08-03-526-1	Mono-, bi-, three-poles automate, mounted on the wall or column construction, power up to 25 A (BA47-	piece	11,00		

1	2	3	4	5	6	7
		29)				
26	08-03-573-4	Mounting the applicable distribution board, 24 modules, of metal, IP31, 395x310x120 mm, with lock, key and applied inscription	piece	1,00		
27	08-03-526-1	Mono-, bi-, three-poles automate, mounted on the wall or column construction, power up to 25 A (BH-32)	piece	1,00		
28	08-03-526-1	Mono-, bi-, three-poles automate, mounted on the wall or column construction, power up to 25 A (BA47-29)	piece	9,00		
29	08-03-526-1	Mono-, bi-, three-poles automate, mounted on the wall or column construction, power up to 25 A (ABДТ-32)	piece	2,00		
30	08-01-121-4	Battery 3.0kW	piece	2,00		
31	08-03-530-1	Magnetic starter of common destination, separated, mounted on the floor, electricity up to 40 A	piece	4,00		
32	08-02-410-1	Polyethylene pipe on the floor stand, diameter up to 25 mm	100 m	30,70		
33	Supplier price	PE pipe for electrical fitting d=20 mm	m.l.	2 900,00		
34	Supplier price	PE pipe for electrical fitting d=25 mm	m.l.	170,00		
35	08-02-410-2	Polyethylene pipe on the floor stand, diameter up to 50 mm	100 m	0,75		
36	Supplier price	PE pipe for electrical fitting d=32 mm	m.l.	65,00		
37	Supplier price	PE pipe for electrical fitting d=40 mm	m.l.	10,00		
38	08-02-148-1	Cable up to 35 kV in pipes, blocks, and cases, mass 1 m up to: 1 kg	100 m	29,05		
39	Supplier price	Cable BBГНГ(A)-LSLTx 2x1.5 mm2	m.l.	100,00		
40	Supplier price	Cable BBГНГ(A)-LSLTx 3x1.5 mm2	m.l.	2 300,00		
41	Supplier price	Cable BBГНГ(A)-LSLTx 3x2.5 mm2	m.l.	240,00		
42	Supplier price	Cable BBГНГ-LSL Tx-0.66 4x1.5 mm2	m.l.	10,00		
43	Supplier price	Cable BBГНГ-LSL Tx-0.66 4x2.5 mm2	m.l.	15,00		
44	Supplier price	Cable BBГНГ-LSL Tx-0.66 5x2.5 mm2	m.l.	20,00		
45	Supplier price	Cable BBГНГ-LSL Tx-0.66 5x1.5 mm2	m.l.	12,00		
46	Supplier price	Cable BBГНГ-LSL Tx-0.66 5x4 mm2	m.l.	105,00		
47	Supplier price	Cable BBГНГ-LSL Tx-0.66 5x6 mm2	m.l.	90,00		
48	Supplier price	Cable BBГНГ-LSLTx-0.66 5x10 mm2	m.l.	3,00		
49	Supplier price	Cable BBГНГ-LSL Tx-0.66 5x16 mm2	m.l.	10,00		
50	08-02-148-3	Cable up to 35 kV in pipes, blocks, and laid cases, mass 1 m up to: 3 kg	100 m	0,03		
51	Supplier price	Cable ABBГНГ(A)-LSL Tx-1,0 5x50 mm2	m.l.	3,00		

1	2	3	4	5	6	7
52	08-02-412-2	Introducing conductors in metal pipes and hoses: the first conductor is mono-strand or multi-strands in joint braiding, summary section up to 6 mm2	100 m	11,30		
53	08-02-412-3	Introducing conductors in metal pipes and hoses: the first conductor is mono-strand or multi-strands in joint braiding, summary section up to 16 mm2	100 m	8,00		
54	Supplier price	Wire ПИБ-1 нгLS 1x1.5 mm2	m.l.	1 130,00		
55	Supplier price	Wire ПИБ-1 нгLS 1x2.5 mm2	m.l.	800,00		
56	08-03-591-9	Plug, unburned type in closed installation, contrast color, produced in the EU (when assembling is coordinated with the customer)	100 pieces	1,37		
57	Supplier price	Plug, closed installation, with appropriate earthing, 2P+N, IP20, 16A, 220V contrast color, produced in the EU (installation is coordinated with the customer)	piece	137,00		
58	08-03-591-2	One-flap light switch, buried type, in open installation contrast color, with illumination, produced in the EU (installation is coordinated with the customer)	100 pieces	0,18		
59	Supplier price	One-flap light switch, open installation with appropriate earthing, IP20, 10A, 220V contrast color, with illumination, produced in the EU (installation is coordinated with the customer)	piece	18,00		
60	08-03-591-5	Switcher with two flaps, unburied type, in open installation, contrast color, with illumination, produced in the EU (installation is coordinated with the customer)	100 pieces	0,06		
61	Supplier price	Two-flaps switcher, closed installation with appropriate earthing, IP20, 10A, 220V contrast color, with illumination, produced in the EU (installation is coordinated with the customer)	piece	6,00		
62	08-03-591-1	Switcher with one flap, unburied, in open installation contrast color, with illumination, produced in the EU (installation is coordinated with the customer)	100 pieces	0,05		
63	Supplier price	One-flap switcher, open installation with appropriate earthing, IP44, 16A, 220V contrast color, with illumination, produced in the EU (installation is coordinated with the customer)	piece	5,00		
64	Supplier price	Doses for appliances KM40002	piece	160,00		
65	Supplier price	Distribution box for open installation KM41234 with cover IP54	piece	480,00		
66	08-03-594-17	Light fitting with luminescent lamps, quantity of lamps in the light fitting, 4	100 pieces	0,87		
67	Supplier price	Luminescent light fitting OPL/R 4x18, IP20	piece	82,00		
68	Supplier price	Luminescent light fitting OWP/S 4x18, IP54	piece	2,00		
69	Supplier price	Light fitting luminescent OPL/S 4x18, IP20	piece	3,00		

1	2	3	4	5	6	7
70	08-03-594-16	Light fitting with luminescent lamps, quantity of lamps in the light fitting, 2	100 pieces	0,07		
71	Supplier price	Luminescent light fitting OPL/S 2x18, IP20	piece	1,00		
72	Supplier price	Luminescent light fitting PAC 2x18, IP54	piece	6,00		
73	08-03-593-5	Light fitting for incandescent lamps on the ceiling or walls, being fixed with bolts or for premises with difficult environmental conditions	100 pieces	0,19		
74	Supplier price	Light fitting with incandescent lamps 60W, HPIII 1301, IP54	piece	9,00		
75	Supplier price	Light fitting with incandescent lamps 100W, HCII 17-100-002, IP54	piece	10,00		
76	08-03-593-10	Lighting indicators on the wall	100 pieces	0,06		
77	Supplier price	Light fitting, luminescent, with autonomous supply source EFS-73	piece	6,00		
78	Supplier price	Luminescent lamp 18W	piece	370,00		
79	Supplier price	Compact luminescent lamp 11W	piece	6,00		
80	Supplier price	Incandescent lamp 60W	piece	9,00		
81	Supplier price	Incandescent lamp 100W	piece	10,00		
Total			USD			
Social and medical insurance			27,50 %			
Transport costs			%			
Supply storage costs			%			
Total			100,00 +			
Expenditure on directing			%			
Total			100,00 +			
Benefit of consideration			%			
		Chapter 3. Equipment				
82	Supplier price	Case ABP-100-160	piece	1,00		
83	Supplier price	Case mounted on the wall ИП11-3084-54Y3.1	piece	1,00		
84	Supplier price	Switch with lever BP32-35, 200A	piece	1,00		
85	Supplier price	Automaton BA47-100, 3P, 25A, °C°	piece	3,00		
86	Supplier price	Automaton BA47-100, 3P, 32A, °C°	piece	1,00		
87	Supplier price	Automaton BA47-100, 3P, 10A, °C°	piece	1,00		
88	Supplier price	Automaton BA47-100, 3P, 6A, °C°	piece	7,00		
89	Supplier price	Board mounted on the wall ИПВ-183-1-36-YXЛ3, IP31	piece	1,00		
90	Supplier price	Power switch BH-32, 3P, 20A	piece	1,00		
91	Supplier price	Automaton BA47-29M, 1P, 16A, °B°	piece	9,00		
92	Supplier price	Automaton АВДТ32, C16, 30mA	piece	3,00		

1	2	3	4	5	6	7
93	Supplier price	Case mounted on the wall ЩРН-123-1-36-YXL3, IP31	piece	1,00		
94	Supplier price	Power switch BH-32, 3P, 20A	piece	1,00		
95	Supplier price	Automaton BA47-29M, 1P, 06A, °B°	piece	3,00		
96	Supplier price	Case mounted on the wall ЩРН-363-1-36-YXL3, IP31	piece	1,00		
97	Supplier price	Automaton BA47-29M, 3P, 50A, °C°	piece	1,00		
98	Supplier price	Automaton BA47-29M, 3P, 40A, °C°	piece	1,00		
99	Supplier price	Opening trigger PH47	piece	1,00		
100	Supplier price	Automaton BA47-29M, 1P, 06A, °C°	piece	3,00		
101	Supplier price	Automaton BA47-29M, 1P, 16A, °C°	piece	1,00		
102	Supplier price	Automaton BA47-29M, 3P, 16A, °C°	piece	3,00		
103	Supplier price	Automaton BA47-29M, 3P, 10A, °C°	piece	1,00		
104	Supplier price	Case mounted on the wall ЩРН-243-1-36-YXL3, IP31	piece	1,00		
105	Supplier price	Power switch BH-32, 3P, 20A	piece	1,00		
106	Supplier price	Automaton BA47-29M, 1P, 16A, °C°	piece	6,00		
107	Supplier price	Automaton BA47-29M, 1P, 10A, °C°	piece	3,00		
108	Supplier price	Case mounted on the wall ЩРН-243-1-36-YXL3, IP31	piece	1,00		
109	Supplier price	Power switch BH-32, 3P, 32A	piece	1,00		
110	Supplier price	Automaton BA47-29M, 1P, 16A, °C°	piece	8,00		
111	Supplier price	Automaton BA47-29M, 1P, 10A, °C°	piece	3,00		
112	Supplier price	Case mounted on the wall ЩРН-243-1-36-YXL3, IP31	piece	1,00		
113	Supplier price	Power switch BH-32, 3P, 20A	piece	1,00		
114	Supplier price	Automaton BA47-29M, 1P, 16A, °C°	piece	3,00		
115	Supplier price	Automaton BA47-29M, 1P, 10A, °C°	piece	5,00		
116	Supplier price	Automaton BA47-29M, 1P, 06A, °C°	piece	1,00		
117	Supplier price	Automaton АВДТ32, C16, 30mA	piece	2,00		
118	Supplier price	Supply source UPS 10 kVA, 8 kW, 380 V	piece	2,00		
119	Supplier price	Magnetic trigger ПМА-0261Y3, I=0.13A	piece	2,00		
120	Supplier price	Magnetic trigger ПМА-0261Y3, I=0.42A	piece	1,00		
121	Supplier price	Magnetic trigger ПМА-0261Y3, I=2.70A	piece	1,00		
Total			USD			

1	2	3	4	5	6	7
Supply storage costs			%			

Total:

Total value:

Elaborated

(function, signature, name, first name)

Verified

(function, signature, name, first name)

**Partial re-systematization of the
non-residential premises located
in the basement of the buildings
with the cadaster number
010020527701 and 010020527702
located in Chisinau city, 75
Stefan cel Mare Avenue**

(name of the site)

Formular Nr.1
WinCmeta2000

**List with quantities of works No. 2-1-5
Anti-fire warning (06/2017-SI)**

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume	Unit Price, USD (including salary)	Total, (col.5 x col.6) USD
1	2	3	4	5	6	7
		Chapter 1. Construction works				
1	RpCU05F 1	Executing the perforation for the pipes or ties in the walls of stones or reinforced concrete of 16 -25 cm thickness, for executing mechanized perforations	piece	7,00		
2	RpCU05I1	Executing the perforation for the pipes or ties in the walls of stone or reinforced concrete of 26- 50 cm thickness, for executing mechanized perforations	piece	15,00		
Total			USD			
Social and medical insurance			27,50 %			
Total			100,00 +			
Expenditure on directing			%			
Total			100,00 +			
Benefit of consideration			%			
		Chapter 2. Mounting works				
3	10-08-001- 04	Receiver-devices: "TIC" device for 4 flashes (Switchboard FP900L)	piece	2,00		
4	08-03-575- 1	Device or appliance dismantled before transportation (LCD keyboard 551)	piece	2,00		
5	10-08-003- 04	Ultra-sound devices: converter (ATS- 100)	piece	2,00		
6	08-01-121- 1	Battery assembled in the panel, type: CB 7.0-12	piece	2,00		
7	10-08-002- 05	Automated alarms "OC": of contact - hitting, without contact electro-magnetic or piezoelectric, installed on glass (СПД 3.10)	piece	31,00		
8	10-08-003- 01	Capacity-based warning device (HC- 103)	piece	2,00		
9	10-01-039- 06	Manual fire warning, with place prepared for mounting it	piece	2,00		
10	10-08-003- 06	Optical - (photo) electrical devices: supply block HD-PB0301	piece	2,00		

1	2	3	4	5	6	7
11	10-08-003-06	Optical - (photo) electrical devices: transformation block TR-30	piece	2,00		
12	08-02-412-2	Introducing conductors in metal pipes and hoses: the first conductor is mono-strand or multi-strands in joint braiding, summary section up to 6 mm2	100 m	6,45		
13	Supplier price	Cable ББГНГ(А)-FRLSLTx 3x1.5 mm2	m.l.	250,00		
14	Supplier price	Cable КПЦЭНГ(А)-FRLS-1x2x0.50	m.l.	395,00		
15	08-02-410-1	Polyethylene pipe on the floor stand, diameter up to 25 mm	100 m	1,10		
16	Supplier price	PE pipe for electrical fitting d=16 mm	m.l.	110,00		
17	08-02-390-1	Plastic ditch 10x22 mm	100 m	1,45		
Total			USD			
Social and medical insurance			27,50 %			
Transport costs			%			
Supply storage costs			%			
Total			100,00 +			
Expenditure on directing			%			
Total			100,00 +			
Benefit of consideration			%			
		Chapter 3. Equipment				
18	Supplier price	Reception and control device of type FP900L with boxes and keypad of type LCD-551	piece	2,00		
19	Supplier price	Radio-emitter of type ATS-100	piece	1,00		
20	Supplier price	Accumulator 12 V 7A/h of type CB 7.0-12	piece	2,00		
21	Supplier price	Movement detector СИД 3.10	piece	31,00		
22	Supplier price	Manual fire warning device of type Fire-3	piece	2,00		
23	Supplier price	Siren combined with sound and light signal 12V, of type HC-103	piece	2,00		
24	Supplier price	Reserve supply block I=3A, U=12V, of type HD-PB0301	piece	2,00		
25	Supplier price	Transformation block 30W, of type TR-30	piece	2,00		
26	Supplier price	Siren combined with sound and light signal 10-16VDS, 123dB, 300mA, of type SA-107	piece	3,00		
Total			USD			
Supply storage costs			%			

Total:

Total value:

Elaborated

(funcția, semnătura, numele, prenumele)

Verified

(funcția, semnătura, numele, prenumele)

**Partial re-systematization of the
non-residential premises located
in the basement of the buildings
with the cadaster number
010020527701 and 010020527702
located in Chisinau city, 75
Stefan cel Mare Avenue**

(name of the site)

Formular Nr.1
WinCmeta2000

**List with quantities of works No. 2-1-6
Dire-fighting (06/2017-SIn**

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume	Unit Price, USD (including salary)	Total, (col.5 x col.6) USD
1	2	3	4	5	6	7
		Chapter 1. Construction works				
1	RpCU05F 1	Executing the perforation for the pipes or ties in the walls of stones or reinforced concrete of 16 -25 cm thickness, for executing mechanized perforations	piece	8,00		
2	RpCU05I1	Executing the perforation for the pipes or ties in the walls of stone or reinforced concrete of 26- 50 cm thickness, for executing mechanized perforations	piece	15,00		
Total			USD			
Social and medical insurance			27,50 %			
Total			100,00 +			
Expenditure on directing			%			
Total			100,00 +			
Benefit of consideration			%			
11	10-08-001- 01	Chapter 2.2. Server room Receiver-devices Reception and control devices "PIC", for starting. (C- 2000ACIIT)	piece			
12	10-01-039- 06	Diverse pieces: button with preparing of the mounting place (РУПД-13. РУБД- 11)	piece	3,00		
13	08-01-121- 1	Battery assembled in the panel, type: CB 4,5-12	piece	1,00		
14	10-08-002- 02	Automated alarms "PIC": smoke, photo- electric, radio-isotopes, light in normal execution (ИПД3.1)	piece	1,00		
15	08-03-593- 10 adjusted	Lighting indicators on the wall	100 pieces	1,20		
16	10-08-003- 01	Capacity-based warning device (HC- 103)	piece	15,00		
17	11-04-004- 01	Wall-type device, mass from 0.15 t up to 0.2 t (firefighting way Impuls-20)	piece	5,00		
18	10-01-039- 06	Different pieces: relay with support	piece	100,00		

1	2	3	4	5	6	7
19	08-02-412-2	Introducing conductors in metal pipes and hoses: the first conductor is mono-strand or multi-strands in joint braiding, summary section up to 6 mm2	100 m	0,12		
20	Supplier price	Cable КПСЭнг(А)-FRLS-1x2x0.50	m.l.			
21	Supplier price	Cable КПСЭнг(А)-FRLS-1x2x0.75	m.l.	1,00		
22	Supplier price	Cable КПСЭнг(А)-FRLS-2x2x0.50	m.l.	2,00		
23	Supplier price	Wire ПБ-3 1x1.5 mm2	m.l.	2,00		
24	08-02-409-1	Vinyl pipe on installed constructions, on walls and columns, fixing with clamps, diameter up to 25 mm	100 m	4,00		
25	Supplier price	U-PVC corrugated pipe, 750N, d=20 mm	m.l.	0,03		
26	Supplier price	U-PVC corrugated pipe, 750N, d=16 mm	m.l.	1,00		
27	08-02-390-1	Plastic ditch 10x22 mm	100 m	1,00		
		Chapter 2.3. Generator room		1,00		
28	10-08-001-01	Receiver-devices Reception and control devices "ПЧ", for starting. (C-2000АЧИТ)	piece	0,46		
29	10-01-039-06	Diverse pieces: button with preparing of the mounting place (РУПД-13. РУБД-11)	piece	20,00		
30	11-04-004-01	Wall-type device, mass from 0.15 t up to 0.2 t (firefighting way Impuls-20)	piece	6,00		
31	10-01-039-06	Different pieces: relay with support	piece	10,00		
32	08-02-412-2	Introducing conductors in metal pipes and hoses: the first conductor is mono-strand or multi-strands in joint braiding, summary section up to 6 mm2	100 m	10,00		
33	Supplier price	Cable КПСЭнг(А)-FRLS-1x2x0.50	m.l.	0,08		
34	Supplier price	Cable КПСЭнг(А)-FRLS-1x2x0.75	m.l.	2,00		
35	Supplier price	Cable КПСЭнг(А)-FRLS-2x2x0.50	m.l.	6,00		
36	Supplier price	Wire ПБ-3 1x1.5 mm2	m.l.	0,04		
37	08-02-409-1	Vinyl pipe on installed constructions, on walls and columns, fixing with clamps, diameter up to 25 mm	100 m			
38	Supplier price	U-PVC corrugated pipe, 750N, d=20 mm	m.l.	1,00		
39	Supplier price	U-PVC corrugated pipe, 750N, d=16 mm	m.l.	2,00		
40	08-02-390-1	Plastic ditch 10x22 mm	100 m	2,00		
		Chapter 2.2. Server room		1,00		
11	10-08-001-01	Receiver-devices Reception and control devices "ПЧ", for starting. (C-2000АЧИТ)	piece	0,76		
12	10-01-039-06	Diverse pieces: button with preparing of the mounting place (РУПД-13. РУБД-11)	piece	37,00		
13	08-01-121-	Battery assembled in the panel, type: CB	piece	10,00		

1	2	3	4	5	6	7
	1	4,5-12				
14	10-08-002-02	Automated alarms "ПІС": smoke, photo-electric, radio-isotopes, light in normal execution (ИПД3.1)	piece	14,00		
15	08-03-593-10 adjusted	Lighting indicators on the wall	100 pieces	15,00		
16	10-08-003-01	Capacity-based warning device (HC-103)	piece	0,14		
17	11-04-004-01	Wall-type device, mass from 0.15 t up to 0.2 t (firefighting way Impuls-20)	piece	4,00		
18	10-01-039-06	Different pieces: relay with support	piece	10,00		
19	08-02-412-2	Introducing conductors in metal pipes and hoses: the first conductor is mono-strand or multi-strands in joint braiding, summary section up to 6 mm2	100 m	0,04		
Total			USD			
Social and medical insurance			27,50 %			
Transport costs			%			
Supply storage costs			%			
Total			100,00 +			
Expenditure on directing			%			
Total			100,00 +			
Benefit of consideration			%			
		Chapter 3. Equipment				
		Chapter 3.1. Guard station				
41	Supplier price	Control and administration block of type "C2000-M"	piece	1,00		
42	Supplier price	Indication block of the automated firefighting system of type "C2000 ПТ"	piece	1,00		
43	Supplier price	Block of the automated firefighting system of type "C2000 ПИ"	piece	1,00		
44	Supplier price	Reserve supply block I=2A, capacity 7A/h of type РИП-12	piece	1,00		
45	Supplier price	Battery 12 V 7A/h of type CB 7.0-12	piece	1,00		
		Chapter 3.2. Server room				
46	Supplier price	Stewardship block of the automated firefighting system of type "C2000 АСПТ"	piece	1,00		
47	Supplier price	Button for triggering the automated firefighting system of type "РУПД-13-Y-0-M-0"	set	1,00		
48	Supplier price	Button for triggering the automated firefighting system of type "РУПД-11-B-0-M-1"	set	1,00		
49	Supplier price	Battery 12V, 4,5A/h of type CB 4,5-12	piece	2,00		
50	Supplier price	Smoke detector type ИПД 3.1МК	piece	4,00		
51	Supplier price	Light board indicating "Gas. Do not enter"	set	1,00		
52	Supplier price	Light board indicating "Gas. Get out"	set	1,00		
53	Supplier price	Light board indicating "Disconnected automatics"	set	1,00		
54	Supplier price	Siren combined with sound and light signal 12V, of type HC-103	piece	1,00		

1	2	3	4	5	6	7
55	Supplier price	Firefighting modality of type “Impuls-20”	set	1,00		
56	Supplier price	Gas of type Hladon 125 (CF3CHF2)	kg	40,00		
57	Supplier price	Relay of type HH52PA 12V, 5A with support of type PYF-08A	piece	1,00		
		Chapter 3.3. Generator room				
58	Supplier price	Stewardship block of the automated firefighting system of type "C2000 ACIT”	piece	1,00		
59	Supplier price	Button for triggering the automated firefighting system of type "PYПД-13-Y-0-M-0”	set	1,00		
60	Supplier price	Button for triggering the automated firefighting system of type "PYПД-11-B-0-M-1”	set	1,00		
61	Supplier price	Firefighting modality of type “Impuls-20”	set	2,00		
62	Supplier price	Gas of type Hladon 125 (CF3CHF2)	kg	76,00		
63	Supplier price	Relay of type HH52PA 12V, 5A with support of type PYF-08A	piece	1,00		
Total			USD			
Supply storage costs			%			

Total:

Total value:

Elaborated

(function, signature, name, first name)

Verified

(function, signature, name, first name)

**Partial re-systematization of the
non-residential premises located
in the basement of the buildings
with the cadaster number
010020527701 and 010020527702
located in Chisinau city, 75
Stefan cel Mare Avenue**

(name of the site)

Formular Nr.1
WinCmeta2000

**List with quantities of works No. 2-1-7
Telecommunication and warning (06/2017-TS)**

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume	Unit Price, USD (including salary)	Total, (col.5 x col.6) USD
1	2	3	4	5	6	7
		Chapter 1. Mounting works Chapter 1.1. Telephone and computer network				
1	08-02-409-1	Viniplast pipe on installed constructions, fixing with clamps, diameter up to 25 mm	100 m	2,50		
2	Supplier price	U-PVC corrugated pipe, 750N, d=20 mm	m.l.	250,00		
3	08-02-410-2	Polyethylene pipe on the floor stand, diameter up to 50 mm	100 m	1,30		
4	Supplier price	PE pipe for electrical fitting d=32 mm	m.l.	130,00		
5	08-02-390-3	Plastic ditch with section 60x40 mm.	100 m	3,00		
6	08-02-390-1	Plastic ditch with section 20x10 mm.	100 m	2,54		
7	08-02-412-2	Introducing conductors in metal pipes and hoses: the first conductor is mono-strand or multi-strands in joint braiding, summary section up to 6 mm ²	100 m	3,80		
8	08-02-398-1	Conductor in ditches, section up to 6 mm ²	100 m	45,59		
9	Supplier price	Optic-fiber cable FO-8	m.l.	210,00		
10	Supplier price	Cable UTP-6e	m.l.	3 137,00		
11	Supplier price	Cable UTP-5e 2x4x0.51 mm ²	m.l.	1 592,00		
12	08-03-591-9	Plug socket with one flap, unburied, in closed installation	100 pieces	1,14		
13	Supplier price	Plug 2xRJ-45 category 5e, including the support for mounting and the frame	piece	74,00		
14	Supplier price	Plug RJ-45 category 5e, including the support for mounting and the frame	piece	40,00		
15	10-06-037-04	Floor case, size: 600x800x2055 mm of type RACK 19" 42U	piece	1,00		
16	08-03-575-	Mounting in the case the organizer for	piece	1,00		

1	2	3	4	5	6	7
	1 adjusted	cables				
17	08-03-575-1 adjusted	Mounting in the case of the Mikro Tik RB3011Uias-RM	piece	1,00		
18	08-03-575-1 adjusted	Mounting in the case of the Mikro Tik CCR1016	piece	1,00		
19	08-03-575-1 adjusted	Mounting in the case the patch panel 48 ports cat 6e	piece	4,00		
20	08-03-575-1 adjusted	Mounting in the case the PDU	piece	10,00		
21	08-03-575-1 adjusted	Mounting in the case the reserve supply block of UPS type	piece	2,00		
22	08-03-575-1 adjusted	Mounting in the case the SWITCH with 48 stations 19"	piece	4,00		
23	08-03-575-1 adjusted	Mounting in the case the SWITCH with 24 stations 19"	piece	1,00		
24	08-03-575-1 adjusted	Mounting in the case the SWITCH with 144 stations 19"	piece	1,00		
25	10-02-051-04	Deck for connecting cables in between the sections of a stand: without placing them in the cable ditch. Patch cord	100 pieces	1,48		
26	10-04-067-23	Color TV set: video-control device	piece	4,00		
27	10-04-112-07	Floor case for 4 modules RJ45	piece	3,00		
28	Supplier price	Floor case for 4 modules RJ45	piece	3,00		
		Chapter 1.2. Video surveillance				
29	10-04-067-23	Color TV set: video-control device	piece	16,00		
30	10-04-067-21	Color TV set: video-registrar	piece	1,00		
31	10-04-088-01	Mounting: 3.5" HDD, 8.0Tb	set	2,00		
32	10-04-064-02	Mounting the computer with monitor	piece	1,00		
33	Supplier price	Distribution box IP65	piece	16,00		
34	10-06-037-05	Wall-type case, size, mm: 550x450x510 mm of type RACK 19" 9U	piece	1,00		
35	08-03-575-1 adjusted	Mounting in the case the PDU	piece	2,00		
36	08-03-575-1 adjusted	Mounting in the case the reserve supply block of UPS type	piece	1,00		
37	10-02-051-04	Deck for connecting cables in between the sections of a stand: without placing them in the cable ditch. Connector RJ45	100 pieces	0,32		
38	10-04-077-05	Central unit equipment: hardware compression plates	piece	2,00		
39	08-02-412-2	Introducing conductors in metal pipes and hoses: the first conductor is mono-strand or multi-strands in joint braiding, summary section up to 6 mm ²	100 m	1,10		
40	08-02-398-1	Conductor in ditches, section up to 6 mm ²	100 m	4,80		
41	Supplier price	Cable UTP-6e	m.l.	590,00		
42	08-02-409-1	Viniplast pipe on installed constructions, fixing with clamps, diameter up to 25 mm	100 m	0,80		
43	Supplier price	U-PVC corrugated pipe, 750N, d=16 mm	m.l.	80,00		

1	2	3	4	5	6	7
44	08-02-410-1	Polyethylene pipe on the floor stand, diameter up to 25 mm	100 m	0,30		
45	Supplier price	PE pipe for electrical fitting d=20 mm	m.l.	30,00		
46	Supplier price	Distribution box IP65	piece	3,00		
47	08-02-390-3	Plastic ditch with section 80x40 mm.	100 m	1,50		
48	08-02-396-6	Metallic channel on walls and ceilings, length 3 m	100 m	1,30		
49	Supplier price	Non-perforated galvanized metallic gutter 60x200x3000 mm	m.l.	50,00		
50	Supplier price	Perforated galvanized metallic gutter 50x150x3000 mm	m.l.	80,00		
51	Supplier price	Cap for the perforated galvanized metallic gutter B=150 mm	m.l.	80,00		
52	Supplier price	Connector for the metallic gutter h=35	piece	180,00		
53	Supplier price	Ceiling suspension for the perforated profiles	piece	50,00		
54	Supplier price	Wall shelf for the gutter, B=200 mm	piece	50,00		
		Chapter 1.3. Access control system				
55	10-02-016-01	Telecommunication dispatch or stewardship switch with amplification device, capacity 5 numbers (Controller for the access control system)	piece	1,00		
56	10-04-066-07	Wall appliances: card reader	piece	4,00		
57	CK33C	Yalle system applied lock	piece	2,00		
58	10-08-002-04	Automated alarms "OC" : contact, magnetic contact when opening the windows, doors	piece	2,00		
59	08-03-575-1 adjusted	Mounting in the case the reserve supply source	piece	1,00		
60	08-03-575-1 adjusted	Mounting in the case the battery	piece	1,00		
61	08-02-412-2	Introducing conductors in metal pipes and hoses: the first conductor is mono-strand or multi-strands in joint braiding, summary section up to 6 mm2	100 m	0,20		
62	08-02-398-1	Conductor in ditches, section up to 6 mm2	100 m	2,80		
63	Supplier price	Cable UTP-5e 2x4x0.51 mm2	m.l.	150,00		
64	Supplier price	Cable IIIBBП 2x0.75	m.l.	150,00		
65	08-02-409-1	Vinyl pipe on installed constructions, fixing with clamps, diameter up to 25 mm	100 m	0,20		
66	Supplier price	U-PVC corrugated pipe, 750N, d=16 mm	m.l.	20,00		
67	08-02-390-1	Plastic ditch with section 15x10 mm.	100 m	2,80		
68	CK33C	Yalle system applied lock	piece	1,00		
69	08-03-573-4	Suspended switchboard, height, width, and depth, mm, 650x500x220 mm	piece	1,00		
Total			USD			
Social and medical insurance			27,50 %			
Transport costs			%			

1	2	3	4	5	6	7
Supply storage costs			%			
Total			100,00 +			
Expenditure on directing			%			
Total			100,00 +			
Benefit of consideration			%			
		Chapter 2. Equipment				
		Chapter 2.1. Telephone and computer network				
70	Supplier price	IP-telephone with POE supply and adapter for supply from the network U=230V	piece	40,00		
71	Supplier price	Telecommunication and network case RACK 19" 42U, 600x800x2055 mm, door without secured glass, the back door of perforated metal, equipped with 4 fans and a fixed shelf	piece	1,00		
72	Supplier price	Horizontal organizer for cables	piece	1,00		
73	Supplier price	Router of type RB3011UiAS-RM	piece	1,00		
74	Supplier price	Router with 12 ports SFP, type CCR1016-24S-1S+, 24x10/100/1000 Mbps	piece	1,00		
75	Supplier price	Patch panel 48 ports, cat. 6e	piece	4,00		
76	Supplier price	PDU 8 x C13, I=16-20A, U=200-240V, 50/60Hz for mounting in the case	piece	10,00		
77	Supplier price	Supply block UPS 19", 8000VA/7500W	piece	1,00		
78	Supplier price	Supply block UPS 19", 1200VA/1100W	piece	1,00		
79	Supplier price	Switch with 48 stations	piece	4,00		
80	Supplier price	Switch with 24 stations	piece	1,00		
81	Supplier price	SWITCH with 144 stations	piece	1,00		
82	Supplier price	Patch cord cat. 6e L=3.0 m	piece	74,00		
83	Supplier price	Patch cord cat. 6e L=1.0 m	piece	74,00		
84	Supplier price	Computer Mini PC 8Gb, DDR3, keyboard, mouse	piece	1,00		
85	Supplier price	Controller for the Video Wall 3x2	piece	1,00		
86	Supplier price	Controller for Video Wall 2x2	piece	2,00		
87	Supplier price	Controller for Video Wall 3x3	piece	1,00		
		Chapter 2.2. Video surveillance				
88	Supplier price	Video camera, IP, with POE supply, color, IR-60m, image sensor 1/3" CMOS, digital zoom 16x, sensibility 0.1Lx/F1.4(color), 0Lx IR started, use temperature -30C...+50C, resolution H264/MJPEG, focal distance 2.7-12.0 mm, view angle 100"x35", with supporters for installation and protection mechanisms	piece	16,00		

1	2	3	4	5	6	7
89	Supplier price	Video registrar IP, with PoE supply, 24 channels, speed of image recording - up to 200Mb/s, port eSATA, 1 port RJ-45, U=230V, use temperature -10C...+55C, 75x440x413 mm, of type DH-NVR4416	piece	1,00		
90	Supplier price	3.5" HDD SATA, 8.0TB, 128Mb for NAS	piece	2,00		
91	Supplier price	Computer Mini PC 8Gb, DDR3, keyboard, mouse	piece	1,00		
92	Supplier price	Monitor 24,5", LCD, audio integrated	piece	1,00		
93	Supplier price	Microsoft Office 2017 x32(x64) License	piece	1,00		
94	Supplier price	Telecommunication and network case RACK 19" 9U, 550x450x510 mm, door without secured glass, the back door of perforated metal, equipped with 4 fans, thermostat, and a fixed shelf	piece	1,00		
95	Supplier price	PDU 8 x C13, I=16-20A, U=200-240V, 50/60Hz for mounting in the case	piece	2,00		
96	Supplier price	Supply block UPS 19", 2000VA/1800W	piece	1,00		
97	Supplier price	Connector RJ-45 cat. 6e	piece	32,00		
98	Supplier price	Hardware compression plates for 12 video channels, H264	piece	2,00		
		Chapter 2.3. Access control system				
99	Supplier price	Access system controller of type SCA C3-200	piece	1,00		
100	Supplier price	Card reader of type KR-600E	piece	4,00		
101	Supplier price	Electromagnetic screw lock 12 V	piece	2,00		
102	Supplier price	Card standard Mifare ID Card	piece	70,00		
103	Supplier price	Contact sensor for door opening	piece	2,00		
104	Supplier price	Reserve supply block I=3A, U=12V	piece	1,00		
105	Supplier price	Battery 12V, 7A/h	piece	1,00		
106	Supplier price	Electromagnetic lock 12V	piece	1,00		
107	Supplier price	Metallic case mounted on the wall, outline sizes 650x550x220 mm, IP31, with lock and inscriptions	piece	1,00		
Total			USD			
Supply storage costs			%			

Total:

Total value:

Elaborated

(function, signature, name, first name)

Verified

(function, signature, name, first name)