

## LOCAL ESTIMATES No 2-1-1

### Architectural solutions

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, \$	
					Per U.M. incl. salary	Total incl. salary
1	2	3	4	5	6	7
		<b>1. Demolishing works</b>				
1	RpCO56A	Dismantling of the wooden carpeting (doors)	m2	91.90		
2	RpCG29D1	Demolishing with mechanical means the masonry walls for creating holes in the masonry, for demolition with mechanical means	m3	2.10		
3	RpCG29D1	Demolishing with mechanical means the masonry walls for creating holes in the masonry, for demolition with mechanical means	m3	12.30		
4	RpCO56A	Removing the wooden carpeting, dismantling the dividing walls	m2	81.00		
5	RpCO56A	Dismantling of the wooden carpeting, wooden glazing	m2	7.90		
6	RpCO56A	Dismantling of the wooden carpeting, dismantling the walls from glass blocks	m2	4.00		
7	RpCK42A	Dismantling the cold flooring from concrete and cement mortar Dismantling the landings	m2	9.70		
8	RpCO56A	Dismantling of the wooden carpeting (windows)	m2	122.90		
9	RpCR29A	Removing the oil-based paint, with remover substance (limestone varnish)	m2	1 988,50		
10	RpCM33A	Dismantling the plates of floor tiles, ceramics, and pottery	m2	173.80		
11	RpCK41A	Dismantling the flooring from planks, cases, etc.	m2	425.80		
12	RpCK41C	Dismantling the carpet flooring of PVC coverage on textile support or not, carpet laying, etc.	m2	440.90		

1	2	3	4	5	6	7
13	RpCI42F	Removing the roof - bitumen elements in one or two layers	m2	300.00		
14	RpCK42C	Dismantling the floors of cold concrete tiles, marble, stone, floor tiles, ceramic tiles, etc.	m2	51.80		
15	RpCR32A	Removing the washable or semi-washable wallpaper	m2	64.80		
16	RpCB18F	Demolishing the old concrete with mechanic means, simple concrete	m3	15.00		
17	RpCK07C k=0.4 labor	Dismantling the fittings with expanded clay	m3	15.00		
		<i>Total</i>	\$			
		<b>Total Demolishing works Including salary</b>				
		<b>2. Doors</b>				
18	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 ( ИД 1 )	m2	5.46		
19	CK03C	Wooden interior doors within two leaves, on coating and balcony doors, including thermal and waterproof casement, assembled on the existing dowels of the constructions with height up to 35 m (doors from MDF ИД 13)	m2	3.08		
20	CK03A	Wooden interior doors within one leaf, on coating and balcony doors, including thermal and waterproof casement, assembled on the existing dowels of the constructions with height up to 35 m (Doors from MDF ИД 4)	m2	12.17		
21	CK03B	Wooden interior or exterior doors within one leaf, on casement and balcony doors, including thermal and waterproof casement, assembled on the existing dowels of the constructions with height up to 35 m (Doors from MDF ИД 5, 5л, 6п, 7л, 7лп, 12)	m2	85.87		
22	CK25A	Doors made of plastic profiles, 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, with the surface of the case up to 7 m2 ( ИД 9)	m2	2.13		

1	2	3	4	5	6	7
23	CK25D	Doors made of plastic profiles, including the casement and the necessary accessories for assembling doors in any type of constructions with the height up to 35 m inclusively, in two wings, with the surface of the case up to 7 m2 inclusively (Doors from PVC ИД 2, ИД 8, ИД 11)	m2	31.47		
24	CK03A	Wooden interior doors within one leaf, on coating and balcony doors, including thermal and waterproof casement, assembled on the existing dowels of the constructions with height up to 35 m (ДС)	m2	2.35		
		<i>Total</i>	\$			
		<b>Total Doors Including salary</b>				
		<b>3. Windows and stained glass</b>				
25	CK11C	Ready-made shop windows, assembled in the masonry of any type, with the area between 7.5 - 10.0 m2 on constructions mounted at heights up to 5m inclusively, from plastic materials (stained glass V1.3. with the door block)	m2	10.92		
26	CK11C	Ready-made shop windows, assembled in the masonry of any type, with the area between 7.5 - 10.0 m2 on constructions mounted at heights up to 5m inclusively, from plastic materials (stained glass V2 )	m2	5.60		
27	CK23A	Plastic windows with one or more leafs with heights up to 35 m inclusively, having an area of the casement up to 1,00 m2, (Windows OK 4, profiles with 4 chambers)	m2	4.28		
28	CK23B	Plastic windows with one or more leafs with heights up to 35 m inclusively, having an area of the casement between 1,00 and 2,5 m2, (Windows OK 5, profiles with 4 chambers)	m2	1.37		
29	CK23C	Plastic windows with one or more leafs with heights up to 35 m inclusively, having an area of the casement of over 2,5 m2 (Windows OK1,OK2,OK 3 profiles with 4 chambers)	m2	97.75		
30	CK26A	Sills assembled at the plastic windows	m	54.52		
31	CK26B	Sills assembled at the windows from aluminum	m	70.60		
		<i>Total</i>	\$			
		<b>Total Windows and stained glass Including salary</b>				
		<b>4. Flooring, 1 floor</b>				
		<b>4.1. Type 1</b>				

1	2	3	4	5	6	7
32	CG01A κ=0.67	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed surface (th. 20 mm, κ=0.67)	m2	12.80		
33	CG17D1	Flooring from ceramic plates, including the support layer from adhesive mortar, executed on surfaces equal to or smaller than 16 m2	m2	12.80		
		<i>Total</i>	\$			
		<b>Total Type 1 Including salary</b>				
		<b>4.2. Type 1</b>				
34	CN54A κ=0.75	Manual application of the quartz primer "Gleta" in one layer, on the internal walls and ceilings (Primer of type "TUFFUNGRUNT" κ=0.75 to the salary)	m2	5.50		
35	CG17D1	Flooring from ceramic plates, including the support layer from adhesive mortar, executed on surfaces equal to or smaller than 16 m2	m2	5.50		
		<i>Total</i>	\$			
		<b>Total Type 1 Including salary</b>				
		<b>4.3. Type 2</b>				
36	CG22A κ=0,6	Simple concrete flooring class C 10/8 (Bc 10 / B 150) in thickness of 10 cm, continuous field, leveled, poured on the site, in rooms with an area over 16 m2 (heating insulation with plastic cement 60 mm)	m2	119.65		
37	CG01A κ=0,67	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed surface (th. 20 mm, κ=0,67)	m2	119.65		
38	CG17D	Flooring from ceramic plates including the support layer from adhesive mortar, executed on areas wider than 16 m2	m2	119.65		
		<i>Total</i>	\$			
		<b>Total Type 2 Including salary</b>				
		<b>4.4. Type 3</b>				
39	CG22A κ=0,7	Simple concrete flooring class C 10/8 (Bc 10 / B 150) in thickness of 10 cm, continuous field, leveled, poured on the site, in rooms with an area over 16 m2 (heating insulation with plastic cement 70 mm)	m2	82.20		
40	CG01A κ=0,83	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed surface (th. 25mm, κ=0,83)	m2	82.20		
41	IzF01B	Priming the surface for applying diffusion layer, a barrier against	m2	82.20		

1	2	3	4	5	6	7
		steam, heat-insulation or waterproofing on horizontal surfaces, angled or vertical, with suspension of filtered bitumen modification (subif) in a layer				
42	CG08A2	Plastic coatings mounted on existing support, cleaned , including the wooden sills, in premises with areas larger than 16 m2, with PVC carpet soldered with glue (linoleum with heating and noise-insulating layer th. 4mm)	m2	82.20		
		<i>Total</i>	\$			
		<b>Total Type 3 Including salary</b>				
		<b>4.5. Type 4</b>				
43	CG22A κ=0,5	Simple concrete flooring class C 10/8 (Bc 10 / B 150) in thickness of 10 cm, continuous field, leveled, poured on the site, in rooms with an area over 16 m2 (heating insulation with plastic cement 50 mm)	m2	40.99		
44	CG01A κ=0,67	Supporting layer for flooring executed from cement mortar M 50-T of 3 cm thickness with delicately smoothed surface (th. 20 mm, κ=0,67)	m2	40.99		
45	IzF01B	Priming the surface for applying diffusion layer, a barrier against steam, heat-insulation or waterproofing on horizontal surfaces, angled or vertical, with suspension of filtered bitumen modification ( subif) in a layer	m2	40.99		
46	CG01A κ=0,50	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed surface (th. 15 mm, κ=0,50)	m2	12.80		
47	CG17D	Flooring from ceramic plates including the support layer from adhesive mortar, executed on areas wider than 16 m2	m2	40.99		
		<i>Total</i>	\$			
		<b>Total Type 4 Including salary</b>				
		<b>4.6. Type 5</b>				
48	CG22A κ=0,7	Simple concrete flooring class C 10/8 (Bc 10 / B 150) in thickness of 10 cm, continuous field, leveled, poured on the site, in rooms with an area over 16 m2 (heating insulation with plastic cement 65 mm)	m2	6.32		
49	CG01A κ=0,67	Supporting layer for flooring executed from cement mortar M 50-T of 3 cm thickness with delicately smoothed surface (th. 20 mm, κ=0,67)	m2	6.32		
50	CG36B	Laminate floor slabs mounted on dry	m2	6.32		

1	2	3	4	5	6	7
		layer, placing the synthetic layer on existing support, including wood plinths and cleaning, in premises smaller or equal to 16 m2				
		<i>Total</i>	\$			
		<b>Total Type 5 Including salary</b>				
		<i>Total</i>	\$			
		<b>Total Flooring, 1 floor Including salary</b>				
		<b>5. Flooring, 2 floor 5.1. Type 1</b>				
51	CN54A κ=0.75	Manual application of the quartz primer "Gleta" in one layer, on the internal walls and ceilings (Primer of type "TUFFUNGRUNT" κ=0.75 to the salary)	m2	14.50		
52	CG17D1	Flooring from ceramic plates, including the support layer from adhesive mortar, executed on surfaces equal to or smaller than 16 m2	m2	14.50		
		<i>Total</i>	\$			
		<b>Total Type 1 Including salary</b>				
		<b>5.2. Type 2</b>				
53	CG01A κ=0,67	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed surface (th. 20 mm, κ=0,67)	m2	9.20		
54	CG17D1	Flooring from ceramic plates, including the support layer from adhesive mortar, executed on surfaces equal to or smaller than 16 m2	m2	9.20		
		<i>Total</i>	\$			
		<b>Total Type 2 Including salary</b>				
		<b>5.3. Type 3</b>				
55	CG22A κ=0,5	Simple concrete flooring class C 10/8 (Bc 10 / B 150) in thickness of 10 cm, continuous field, leveled, poured on the site, in rooms with an area over 16 m2 (heating insulation with plastic cement 55 mm)	m2	93.38		
56	CG01A κ=0,67	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed surface (th. 20 mm, κ=0,67)	m2	93.38		
57	CG17D	Flooring from ceramic plates including the support layer from adhesive mortar, executed on areas wider than 16 m2	m2	93.38		
		<i>Total</i>	\$			
		<b>Total Type 3 Including salary</b>				
		<b>5.4. Type 4</b>				

1	2	3	4	5	6	7
58	CG22A κ=0,6	Simple concrete flooring class C 10/8 (Bc 10 / B 150) in thickness of 10 cm, continuous field, leveled, poured on the site, in rooms with an area over 16 m2 (heating insulation with plastic cement 60 mm)	m2	52.52		
59	CG01A κ=0,83	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed surface (th. 25mm, κ=0,83)	m2	52.52		
60	IzF01B	Priming the surface for applying diffusion layer, a barrier against steam, heat-insulation or waterproofing on horizontal surfaces, angled or vertical, with suspension of filtered bitumen modification ( subif) in a layer	m2	52.22		
61	CG08A2	Plastic coatings mounted on existing support, cleaned , including the wooden sills, in premises with areas larger than 16 m2, with PVC carpet soldered with glue (linoleum with heating and noise-insulating layer th. 4mm)	m2	52.22		
		<i>Total</i>	\$			
		<b>Total Type 4 Including salary</b>				
		<b>5.5. Type 5</b>				
62	CG22A κ=0,6	Simple concrete flooring class C 10/8 (Bc 10 / B 150) in thickness of 10 cm, continuous field, leveled, poured on the site, in rooms with an area over 16 m2 (heating insulation with plastic cement 55 mm)	m2	81.38		
63	CG01A κ=0,67	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed surface (th. 20 mm, κ=0,67)	m2	81.38		
64	CG36B	Laminate floor slabs mounted on dry layer, placing the synthetic layer on existing support, including wood plinths and cleaning, in premises smaller or equal to 16 m2	m2	81.38		
		<i>Total</i>	\$			
		<b>Total Type 5 Including salary</b>				
		<b>5.6. Type 6</b>				
65	CG22A κ=0,6	Simple concrete flooring class C 10/8 (Bc 10 / B 150) in thickness of 10 cm, continuous field, leveled, poured on the site, in rooms with an area over 16 m2 (heating insulation with plastic cement 40 mm)	m2	24.29		
66	CG01A κ=0,67	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed surface (th. 20 mm, κ=0,67)	m2	24.29		

1	2	3	4	5	6	7
67	IzF01B	Priming the surface for applying diffusion layer, a barrier against steam, heat-insulation or waterproofing on horizontal surfaces, angled or vertical, with suspension of filtered bitumen modification ( subif) in a layer	m2	24.29		
68	CG01A κ=0,5	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed surface (th. 15 mm, κ=0,5)	m2	24.29		
69	CG17D	Flooring from ceramic plates including the support layer from adhesive mortar, executed on areas wider than 16 m2	m2	24.29		
		<i>Total</i>	\$			
		<b>Total Type 6 Including salary</b>				
		<i>Total</i>	\$			
		<b>Total Flooring, 2 floor Including salary</b>				
		<b>6. Interior finishing works</b>				
		<b>6.1. Ceilings</b>				
		<b>6.1.1. First floor</b>				
70	CF52B	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for the ceiling, manual preparing of the mortar	m2	265.46		
71	CF53A	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for ceilings, manual preparation of the mortar. The plus or minus difference for every 1.0 mm shall be added or extracted in art. 52 (finishing layer)	m2	265.46		
72	CN53A	Coating the internal surfaces of the walls and ceilings	m2	265.46		
73	CN06A	Interior painting with paints based on vinyl copolymers in water emulsion, applied in 2 layers on the existing fillings, executed manually.	m2	265.46		
		<i>Total</i>	\$			
		<b>Total First floor Including salary</b>				
		<b>6.1.2. Second floor</b>				
74	CF52B	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for the ceiling, manual preparing of the mortar	m2	258.30		
75	CF53A	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for ceilings, manual preparation of the mortar. The plus or minus difference for every 1.0 mm shall be added or extracted in art. 52 (finishing layer)	m2	258.30		
76	CN53A	Coating the internal surfaces of the walls and ceilings	m2	258.30		
77	CN06A	Interior painting with paints based on	m2	258.30		



1	2	3	4	5	6	7
		vinyl copolymers in water emulsion, applied in 2 layers on the existing fillings, executed manually.				
		<i>Total</i>	\$			
		<b>Total Second floor Including salary</b>				
		<i>Total</i>	\$			
		<b>Total Ceilings Including salary</b>				
		<b>6.2. Walls</b>				
		<b>6.2.1. First floor</b>				
78	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	911.00		
79	CF51A k=3	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for walls and dividing walls, mechanical preparation of the mortar. The plus or minus difference for every 1.0 mm shall be added or extracted for art. CF50)	m2	911.00		
80	CN53A	Coating the internal surfaces of the walls and ceilings	m2	911.00		
81	CN06A	Interior painting with paints based on vinyl copolymers in water emulsion, applied in 2 layers on the existing fillings, executed manually.	m2	637.00		
82	CN06A	Interior painting with paints based on vinyl copolymers in water emulsion, applied in 2 layers on the existing fillings, executed manually (paint of type "Matlatex")	m2	275.00		
83	CI06C	Plywood glass glazed, unglazed, matte or glossy tiles of the same color and form with dimensions of 15 x 15 cm to 30 x 30, executed on flat surfaces of walls and pillars , including sills and edges , with alternating joints, in premises with an area exceeding 10 m2, fixed with adhesive for installation of plywood	m2	256.00		
		<i>Total</i>	\$			
		<b>Total First floor Including salary</b>				
		<b>6.2.2. Second floor</b>				
84	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	717.00		
85	CF51A k=3	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for walls and dividing walls, mechanical preparation of the mortar. The plus or minus difference for every 1.0 mm	m2	717.00		

1	2	3	4	5	6	7
		shall be added or extracted for art. CF50)				
86	CN53A	Coating the internal surfaces of the walls and ceilings	m2	717.00		
87	CN06A	Interior painting with paints based on vinyl copolymers in water emulsion, applied in 2 layers on the existing fillings, executed manually.	m2	551.90		
88	CN06A	Interior painting with paints based on vinyl copolymers in water emulsion, applied in 2 layers on the existing fillings, executed manually (paint of type "Matlatex")	m2	165.01		
89	CI06C	Plywood glass glazed, unglazed, matte or glossy tiles of the same color and form with dimensions of 15 x 15 cm to 30 x 30, executed on flat surfaces of walls and pillars , including sills and edges , with alternating joints, in premises with an area exceeding 10 m2, fixed with adhesive for installation of plywood	m2	108.50		
		<i>Total</i>	\$			
		<b>Total Second floor Including salary</b>				
		<b>6.2.3. Diverse 6.2.3.1. Coating the ventilation channels</b>				
90	CF54A	Plating the walls with gypsum-cardboard tiles, 12.5 mm thick, mounted on the structure of galvanized profile: on flat surfaces, doors and windows sills only	m2	61.60		
		<i>Total</i>	\$			
		<b>Total Coating the ventilation channels Including salary</b>				
		<i>Total</i>	\$			
		<b>Total Diverse Including salary</b>				
		<i>Total</i>	\$			
		<b>Total Walls Including salary</b>				
		<i>Total</i>	\$			
		<b>Total Interior finishing works Including salary</b>				
		<b>7. Roof 7.1. Roof</b>				
91	CE30A	Covers or valley roof covering from roofing tiles, Eternit type plates from rough wood planks (24 mm thick), in ordinary construction.	m2	1.40		
92	CN50A	Fireproof treatment of the carpentry; trusses, arches, beams, rafters, plates.	m3	0.07		
93	CN51D	Antiseptic treatment of the carpentry, on hidden areas with antiseptic paste: beams, plates, revetment	m3	0.07		
94	CE07A	Covering from imprinted board plates (roof tile) for covering the	m2	24.60		

1	2	3	4	5	6	7
		roofs (Lindab type)				
95	CE17A	Additional polymeric layer of ondutiss type, assembled under the tile covering layer, imprinted or coiled plates (anti-condensation film)	m2	8.40		
96	CR03A	Lumber frame, round timber and softwood rulers for rural constructions, executed on walls	m3	0.01		
97	CE31B	Simple eaves with ready-planed apparent rafters, on the visible surfaces, with simple profiles and with ready-edged deck on one side, with average width of 0.4 m	m2	10.60		
98	CN17A	Painting with alkyd raisins -based paints and enamels applied on the wooden carpentry, executed with 2 layers of alkyd enamel, including the primer	m2	10.60		
99	CE20A	Systems of brass-type ditches from anticorrosive protected board	m	15.50		
100	CE22A	Systems of brass-type tubing from anticorrosive protected board	m	31.00		
101	CE05B	Covering from anticorrosive protected plane boards or galvanized plane boards, fixed with cramps, made with double joints in both directions, executed on areas wider than 40 m2 with board sheets of 0.5 mm thickness, including the execution of valleys, aprons, connections to baskets etc.	m2	34.00		
102	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete	kg	2.00		
103	CR03A	Lumber frame, round timber and softwood rulers for rural constructions, executed on walls	m3	0.02		
104	CK26B	Snow stoppers	m	4.00		
105	CE13A2	Covers for the roofs with modified bitumen membranes bonded with flame in bilayer system, on horizontal surface mounted on continuous support Bipoli	m2	345.00		
106	IzF18C	Support layer for equalization or protective insulation, including related moldings, executed with ready-made mortar cement of M100-T brand without any lime adds, leveled, on horizontal or inclined surfaces up to 40% inclusively, applied in medium thickness of 3 cm	m2	345.00		
107	RpCE26A	Devices for the communication of the diffusion layers with the atmosphere (deflector), at terraces and roofs, made of galvanized sheet of 0.5 mm thick, 300 mm height and a collar of 300 mm in diameter and 20-30 mm	piece	12.00		

1	2	3	4	5	6	7
		high, fitted with protective cap, including simple waterproofing connection d=50 mm Aerator				
108	CE05A1	Covering from anticorrosive protected plane boards or galvanized plane boards, fixed with cramps, made with double joints in both directions, executed on areas smaller or equal to 40 m2 with board sheets of 0.4 mm thickness, including the execution of valleys, aprons, connections to manholes etc.	m2	15.00		
109	CK51A	Lining up the ceiling with simple plasterboard plates, thickness 12.5 mm, on pine wood skeleton with antiseptic treatment, fixed directly to the rafters for the attic: flat surfaces of ceilings	m2	2.75		
110	IzF10G	Insulating layer for the terrace, roofs and plates, from mineral wool plates type G 80 or G 100, or mineral wool plates of type PIB, glued with bituminous filler on areas with a slope over 40% or vertical areas	m2	2.75		
111	CE17A	Additional polymeric layer of ondutiss type, assembled under the tile covering layer, imprinted or coiled plates	m2	2.50		
112	CE17A	Additional polymeric layer of ondutiss type, assembled under the tile covering layer, imprinted or coiled plates. Barrier against the steam	m2	2.75		
113	CE31A	Fascias for eaves or gables of simply smoothed boards	m2	8.40		
		<i>Total</i>	\$			
		<b>Total Roof Including salary</b>				
		<i>Total</i>	\$			
		<b>Total Roof Including salary</b>				
		<b>8. Exterior finishing works</b>				
114	IzF54A	External thermal insulation of buildings with fine plaster based on thermal insulators (rigid fixation systems of the thermal insulation), smooth wall surface: with polystyrene plate and framing the gaps with mineral wool	m2	750.00		
115	CN54B	Manual application of the quartz ground "Gleta" in one layer, for the exterior walls of the facade.	m2	750.00		
116	CF30A	Exterior coating of 2-3 mm thickness, executed manually, with "TINC" mixture on the walls.	m2	750.00		
117	CB15A	Self-lifting metallic scaffold 2 halls Lmax=12 m, Hmax=31m, for ordinary works at the facade	m2	750.00		
118	RpCD08A	Assembling the welded nets STM or	kg	134.00		

1	2	3	4	5	6	7
		STNB on walls and diaphragms with the weight up to 3 kg/m2				
119	CF02B K=1.5	Interior plastering of 3 cm thickness, executed on braided wire, leveled, on walls and slits with lime-cement brand M 100 -T for HRMS, lime-cement mortar brand M 50-T for primer and mortar of lime-cement M 10-T for the visible layer, executed manually on flat surfaces , including the installation of steel coat and braided wire applied on the walls	m2	134.10		
120	CI06C	Plywood glass glazed, unglazed, matte or glossy tiles of the same color and form with dimensions of 15 x 15 cm to 30 x 30, executed on flat surfaces of walls and pillars , including sills and edges , with alternating joints, in premises with an area exceeding 10 m2, fixed with adhesive for installation of plywood (plywood of the type of Cosauti stone)	m2	134.10		
		<i>Total</i>	\$			
		<b>Total Exterior finishing works Including salary</b>				
		<b>9. Domes, landings, stairs</b>				
		<b>9.1. Dome K1</b>				
121	TsC53B	Compacting the soil with crushed stone	100 m2	0.48		
122	CA03G	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01, poured with classical means, reinforced concrete class B15	m3	2.80		
123	CC03C	Assembling sealed meshes at heights lower or equal to 35 m, for plates	kg	80.00		
124	CB02A	Reusable formwork panels with short and very short wood boarding planks to pour the concrete in bearings, foundations and foundations glass and foundation equipment including support	m2	26.00		
125	CG17D1	Flooring from ceramic plates, including the support layer from adhesive mortar, executed on surfaces equal to or smaller than 16 m2 (tiles with drawings th. min 8 mm)	m2	9.00		
126	CF05A	Interior plastering of 3 cm thickness, executed on braided wire, leveled, on walls and slits with lime-cement brand M 100 -T for HRMS, lime-cement mortar brand M 50-T for primer and mortar of lime-cement M 10-T for the visible layer, executed manually on flat surfaces , including	m2	16.80		

1	2	3	4	5	6	7
		the installation of steel coat and braided wire applied on the walls				
127	CI06C	Plywood glass glazed, unglazed, matte or glossy tiles of the same color and form with dimensions of 15 x 15 cm to 30 x 30, executed on flat surfaces of walls and pillars , including sills and edges , with alternating joints, in premises with an area exceeding 10 m2, fixed with adhesive for installation of plywood	m2	16.80		
		<i>Total</i>	\$			
		<b>Total Dome K1. Including salary</b>				
		<b>9.2. Dome K2</b>				
128	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	31.65		
129	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 Decorative plastering	m2	31.65		
130	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01, poured with classical means, simple concrete class ... Concreting the stairs th 20 mm	m3	1.60		
131	CN54A	Manual application of the quartz ground	m2	5.40		
132	CG17D1	Flooring from ceramic plates, including the support layer from adhesive mortar, executed on surfaces equal to or smaller than 16 m2	m2	5.40		
		<i>Total</i>	\$			
		<b>Total Dome K2. Including salary</b>				
		<b>9.3. Landing IIM 1</b>				
133	CF52B	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for the ceiling, manual preparing of the mortar	m2	13.80		
134	CN53A	Coating the internal surfaces of the walls and ceilings	m2	13.80		
135	CN06A	Interior painting with paints based on vinyl copolymers in water emulsion, applied in 2 layers on the existing fillings, executed manually.	m2	13.80		
		<i>Total</i>	\$			
		<b>Total Landing IIM 1 Including salary</b>				
		<b>9.4. Landing IIM2, stair JI2</b>				
136	CN54A	Manual application of the quartz	m2	12.84		

1	2	3	4	5	6	7
		ground				
137	CG17D1	Flooring from ceramic plates, including the support layer from adhesive mortar, executed on surfaces equal to or smaller than 16 m2	m2	12.84		
		<i>Total</i>	\$			
		<b>Total Landing IIM2, stair JI2 Including salary</b>				
		<i>Total</i>	\$			
		<b>Total Domes, landings, stairs Including salary</b>				
		<b>10. Metallic enclosure and handrails</b>				
138	RCsP12A	Manufacturing and assembling the metallic grates for stairs and balconies, simple, service-duty type	kg	1 530,50		
139	IzD04A	Painting the metal garments and constructions with oil-based paint in 2 layers, executed on profiles with thickness between 8 mm and 12 mm inclusively, with manual brush	t	1.53		
		<i>Total</i>	\$			
		<b>Total Metallic enclosure and handrails Including salary</b>				
		<b>11. Monolith plates for ventilation holes</b>				
140	CA04B	Cast concrete plates, slabs , beams , columns , prepared with the concrete plant and pouring with classical means, reinforced concrete Class C 15/12 (Bc 15 B 200) at heights up to 35 m inclusively	m3	0.32		
141	CC03C	Assembling sealed meshes at heights lower or equal to 35 m, for plates d 5 Bp-1	kg	11.40		
		<i>Total</i>	\$			
		<b>Total Monolith plates for ventilation holes Including salary</b>				
		<b>12. Domes</b>				
142	CG01A	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed face	m2	6.00		
143	CG01A1 κ=4	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed face. The minus or plus difference for every 0.5 cm of the layer of M 100-T mortar is added or is subtracted	m2	6.00		
144	CE05A	Covering from anticorrosive protected plane boards or galvanized plane boards, fixed with cramps, made with double joints in both directions, executed on areas wider than 40 m2 with board sheets of 0.4	m2	6.00		

1	2	3	4	5	6	7
		mm thickness, including the execution of valleys, aprons, connections to manholes etc.				
145	CF02B	Interior coating of 2 cm thickness, levelled, executed manually, on the walls or columns, on plain surfaces, with cement-lime mortar M 100-T brand, for sprit, ground and visible layer, on brick masonry or small blocks of concrete	m2	231.50		
146	CF52B	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for the ceiling, manual preparing of the mortar	m2	6.00		
147	CN53A	Coating the internal surfaces of the walls and ceilings	m2	6.00		
148	CN06A	Interior painting with paints based on vinyl copolymers in water emulsion, applied in 2 layers on the existing fillings, executed manually.	m2	6.00		
		<i>Total</i>	\$			
		<b>Total Domes Including salary</b>				

		Total	\$	
		Social and health insurance	27,5 %	
		Transportation of materials	%	
		Total		
		<i>Overhead costs</i>	%	
		Total		
		Estimate benefit	%	
		<b>Total estimates: Including salary</b>		

Compiled

\_\_\_\_\_  
(position, signature, name, surname)

Verified

\_\_\_\_\_  
(position, signature, name, surname)



## LOCAL ESTIMATES No 2-1-2

### Construction works

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, \$	
					Per U.M. incl. salary	Total incl. salary
1	2	3	4	5	6	7
		<b>1. Constructions</b>				
		<b>1.1. Embedding the embrasures</b>				
		<b>1.1.1. Node 1-11</b>				
1	RpCJ35A	Clearing the exterior or interior coating from the walls or ceiling	m2	14.80		
2	RCsB21A	Mechanical drilling of holes with diameter of 5 cm, in concrete elements, with thickness of up to 20 cm	piece	420.00		
3	CD55C	Limestone masonry blocks for the walls with height up to 4 m, masonry in rows	m3	16.53		
4	CD50C	Brickwork from medium bricks, made of 250 x 120 x 65 format at the external walls with the height up to 4 m (blocks from aerocrete)	m3	6.18		
5	CC02I	Reinforced concrete steel shaped in OB 37 construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork	kg	94.20		
6	CC03A	Assembling sealed meshes at heights lower or equal to 35 m, for walls with diaphragms, with the weight of the meshes up to 3 kg/m2	kg	30.10		
7	RpCJ12A	Interior and 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	88.72		
		<i>Total</i>	\$			
		<b>Total Node 1-11</b>				

1	2	3	4	5	6	7
		<b>Including salary</b>				
		<i>Total</i>	\$			
		<b>Total Embedding the embrasures Including salary</b>				
		<b>1.2. Consolidation of embrasures</b>				
		<b>1.2.1. Consolidation OЕ1 (widening the embrasure of window under the door) 1 piece</b>				
8	RpCG29D1	Demolishing with mechanical means the masonry walls for creating holes in the masonry, for demolition with mechanical means	m3	0.28		
9	RCsB21A	Mechanical drilling of holes with diameter of 5 cm, in concrete elements, with thickness of up to 20 cm	piece	5.00		
10	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete	kg	51.52		
11	CC02L	Reinforced concrete steel shaped in OB 37 construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork (Fitting d=20 III)	kg	8.00		
12	CC03A	Assembling sealed meshes at heights lower or equal to 35 m, for walls with diaphragms, with the weight of the meshes up to 3 kg/m2	kg	10.2		
13	RpCJ06A	Repairing the interior coating, around the cases and casing of the doors and windows, of 2 cm thickness, leveled, executed with cement-lime mortar of type 25 T, with straight recesses up to 15 cm width.	m	4.20		
		<i>Total</i>	\$			
		<b>Total Consolidation OЕ1 (widening the embrasure of window under the door) 1 piece Including salary</b>				
		<b>1.2.2. Consolidation OЕ 2-OЕ 6</b>				
14	DC04B	Cutting with the machines having diamond disks of the contraction and expansion joints in old concrete	m	6.30		
15	RpCU02A	Lintels of metal beams, mounted in masonry, including cutting the	kg	130.36		

1	2	3	4	5	6	7
		sleepers according to certain sizes				
16	IzD10C	Anticorrosive painting with the manual brush of the metallic garments and constructions with one layer of anti-corrosive primer based on lead minium and two layers of chlorinated rubber enamel, of the metallic garments and constructions, executed on profiles with thicknesses up to 7 mm inclusively	t	0.13		
17	RpCG29D1	Demolishing with mechanical means the masonry walls for creating holes in the masonry, for demolition with mechanical means	m3	2.20		
18	RCsB21A	Mechanical drilling of holes with diameter of 5 cm, in concrete elements, with thickness of up to 20 cm	piece	80.00		
19	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete	kg	871.94		
20	CC02L	Reinforced concrete steel shaped in OB 37 construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork (Fitting d=20 III)	kg	52.60		
21	CA04F	Concrete poured in slabs , beams , columns , prepared with the concrete plant or concrete CA01 and pouring with classical means	m3	0.13		
22	CB02C	Formwork from reusable panels with short and under-short resinous wood boarding planks to pour the concrete in bearings and plates, exclusively for supporters, at heights up to 20m inclusively	m2	1.20		
		<i>Total</i>	\$			
		<b>Total Consolidation OE 2-OE 6 Including salary</b>				
		<i>Total</i>	\$			
		<b>Total Consolidation of embrasures Including salary</b>				
		<b>1.3. Elevator well</b>				
23	TsC54C	Foundation layer of gravel (ballast)	m3	11.38		

1	2	3	4	5	6	7
24	CA03G	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01, poured with classical means, reinforced concrete class .B3.5	m3	0.63		
25	CA03G	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01, poured with classical means, reinforced concrete class .B 15	m3	1.00		
26	CC02K	Reinforced concrete steel shaped in OB 37 construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights smaller or equal to 35 m, excluding constructions executed with sliding formwork	kg	0.32		
27	CC02L	Reinforced concrete steel shaped in OB 37 construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork	kg	111.61		
		<i>Total</i>	\$			
		<b>Total Elevator well Including salary</b>				
		<b>1.4. Consolidation of floors</b>				
28	RCsB22B	Cutting the plates or elements from reinforced concrete, with the thickness over 15 cm	m	28.00		
29	CL57A	Assembling and fixing the pieces embedded in monolith reinforced concrete: with weight under 4 kg	kg	41.48		
30	IzD10A	Anticorrosive painting with the manual brush of the metallic garments and constructions with one layer of anti-corrosive primer based on lead minium and two layers of chlorinated rubber enamel, of the metallic garments and constructions, executed on profiles with thicknesses between 8 mm and 12 mm inclusively	t	0.03		
		<i>Total</i>	\$			
		<b>Total Consolidation of floors Including salary</b>				
		<b>1.5. Monolith sectors YM 1 YM2</b>				

1	2	3	4	5	6	7
31	CB02C	Formwork from reusable panels with short and under-short resinous wood boarding planks to pour the concrete in bearings and plates, exclusively for supporters, at heights up to 20m inclusively	m2	1.00		
32	CB09A	Supporters from elements of tube-like metallic scaffold for shuttering floors with total burden on the encasement of at most 1000 DaN/m2 (1000 kg/m2) in buildings with heights up to 20 m inclusively, for formwork placed on the ground floor, with height of supporters up to 3 m inclusively	m2	1.00		
33	CC02M1	Reinforced concrete steel shaped in OB 37 construction shops, with bars over 8 mm inclusively in diameter and mounted in plates, at heights over 35 m, excluding constructions executed with sliding formwork (Fitting A1 d=6 mm)	kg	4.80		
34	CA04B	Cast concrete plates, slabs , beams , columns , prepared with the concrete plant and pouring with classical means, reinforced concrete Class C 15/12 (Bc 15 B 200) at heights up to 35 m inclusively	m3	0.06		
35	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete	kg	4.00		
		<i>Total</i>	\$			
		<b>Total Monolith sectors YM 1 YM2 Including salary</b>				
		<b>1.6. Foundation of stairs JM 1 (ΦM 1,M2,ΦM 3)</b>				
36	TsA20B	Manual digging of land, in breakers, with canal embankment dug with the excavator or scraper for completing the cutting slopers, in middle ground	m3	2.44		
37	TsD01B	Spreading with the shovel of light earth in uniform layers, 10-30 cm thick, with a throw of up to 3 m of piles , including smashing of earth bolls from the middle ground	m3	2.44		
38	CA02A	Simple concrete poured in equalization, slopes, and digs, at the height of 35 m inclusively, prepared with concrete plant, and poured with classical means of concrete Class C 5/4 (Bc 5/B 3,5)	m3	0.05		
39	CA03G	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art.	m3	1.09		

1	2	3	4	5	6	7
		CA01, poured with classical means, reinforced concrete class .B 15				
40	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete	kg	102.88		
41	IzD10A	Anticorrosive painting with the manual brush of the metallic garments and constructions with one layer of anti-corrosive primer based on lead minium and two layers of chlorinated rubber enamel, of the metallic garments and constructions, executed on profiles with thicknesses between 8 mm and 12 mm inclusively	t	0.10		
		<i>Total</i>	\$			
		<b>Total Foundation of stairs JM 1 (ΦM 1,M2,ΦM 3F) Including salary</b>				
		<b>1.7. Access ramp (foundations Φn1-Φn5,BM 1 Πm1 1)</b>				
42	TsA20B	Manual digging of land, in breakers, with canal embankment dug with the excavator or scraper for completing the cutting slopers, in middle ground	m3	6.00		
43	TsD01B	Spreading with the shovel of light earth in uniform layers, 10-30 cm thick, with a throw of up to 3 m of piles , including smashing of earth bolls from the middle ground	m3	6.00		
44	CB02C	Formwork from reusable panels with short and under-short resinous wood boarding planks to pour the concrete in bearings and plates, exclusively for supporters, at heights up to 20m inclusively	m2	20.28		
45	CA04B	Cast concrete plates, slabs , beams , columns , prepared with the concrete plant and pouring with classical means, reinforced concrete Class C 15/12 (Bc 15 B 200) at heights up to 35 m inclusively	m3	8.06		
46	CC01E	Concrete steel fittings OB 37 shaped in construction shops, assembled with bars up to 8 mm diameter inclusively in continuous and radiation foundations (fitting A1 d=6 mm)	kg	95.01		
47	CC02M1	Reinforced concrete steel shaped in OB 37 construction shops, with bars over 8 mm inclusively in diameter and mounted in plates, at heights over 35 m, excluding constructions executed with sliding formwork (Fitting A1 d=8 mm)	kg	115.34		

1	2	3	4	5	6	7
48	CC01F	Concrete steel fittings OB 37 shaped in construction shops, assembled with bars over 8 mm diameter inclusively in continuous and radiation foundations (Fitting A 1 d=10 mm)	kg	32.76		
49	CC02N2	Reinforced concrete steel shaped in PC 52 construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork (Fitting A III d=14 mm)	kg	62.32		
50	CC02N2	Reinforced concrete steel shaped in PC 52 construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork (Fitting A III d=16 mm)	kg	186.20		
		<i>Total</i>	\$			
		<b>Total Access ramp (foundations Φn1-Φn5, BM 1 Πm 1) Including salary</b>				
		<b>1.8. Stair JM 1</b>				
51	CL17C	Diverse metallic confections, mounted apparently (external stairs in case of fire, etc.) exclusively parapets, railings, manhole covers, etc. CM 1, CM2, K1, K2, K3, B1	kg	1 448,90		
52	IzD10A	Anticorrosive painting with the manual brush of the metallic garments and constructions with one layer of anti-corrosive primer based on lead minium and two layers of chlorinated rubber enamel, of the metallic garments and constructions, executed on profiles with thicknesses between 8 mm and 12 mm inclusively	t	1.50		
		<i>Total</i>	\$			
		<b>Total Stair JM 1 Including salary</b>				
		<b>1.9. Stair steps Cm1, stair rest Πm 1, Πm 1A stair rest Πm 2</b>				
53	CL17C	Diverse metallic confections, mounted apparently (external stairs in case of fire, etc.) exclusively parapets, railings, manhole covers, etc.	kg	614.02		
54	IzD10A	Anticorrosive painting with the manual brush of the metallic garments and constructions with one layer of anti-corrosive primer based on lead minium and two layers of chlorinated rubber enamel, of the metallic garments and constructions, executed on profiles with thicknesses	t	0.62		

1	2	3	4	5	6	7
		between 8 mm and 12 mm inclusively				
55	CC02M1	Reinforced concrete steel shaped in OB 37 construction shops, with bars over 8 mm inclusively in diameter and mounted in plates, at heights over 35 m, excluding constructions executed with sliding formwork (Fitting A1 d=8.6 mm)	kg	430.19		
56	CB02C	Formwork from reusable panels with short and under-short resinous wood boarding planks to pour the concrete in bearings and plates, exclusively for supporters, at heights up to 20m inclusively	m2	10.80		
57	CA04B	Cast concrete plates, slabs , beams , columns , prepared with the concrete plant and pouring with classical means, reinforced concrete Class C 15/12 (Bc 15 B 200) at heights up to 35 m inclusively	m3	3.01		
		<i>Total</i>	\$			
		<b>Total Stair steps Cm1, stair rest Пm 1,Пm 1A stair rest Пm 2 Including salary</b>				
		<b>1.10. Monolith corbel Пm 1, monolith slab П, stair Лm2</b>				
58	TsA20B	Manual digging of land, in breakers, with canal embankment dug with the excavator or scraper for completing the cutting slopers, in middle ground	m3	3.20		
59	TsD01B	Spreading with the shovel of light earth in uniform layers, 10-30 cm thick, with a throw of up to 3 m of piles , including smashing of earth bolls from the middle ground	m3	2.80		
60	CA04B	Cast concrete plates, slabs , beams , columns , prepared with the concrete plant and pouring with classical means, reinforced concrete Class C 15/12 ( Bc 15 B 200) at heights up to 35 m inclusively (carcass PM1...7 )	m3	4.25		
61	CB02D	Formwork from reusable panels with short and under-short resinous wood boarding planks to pour the concrete in pillars and frames, exclusively for supporters, at heights up to 20m inclusively	m2	26.40		
62	CC02K	Reinforced concrete steel shaped in OB 37 construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights smaller or equal to 35 m, excluding constructions executed with sliding formwork (Fitting A1 d=6,8 mm)	kg	52.41		
63	CC02L	Reinforced concrete steel shaped in OB 37 construction shops, with bars over 8 mm diameter and mounted on	kg	55.96		



1	2	3	4	5	6	7
		beams and pillars, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork (Fitting A1 d=10 mm)				
64	CC02L2	Concrete steel fittings shaped in PC 52 construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork (Fitting A3 d=14 mm)	kg	58.96		
		<i>Total</i>	\$			
		<b>Total Monolith corbel IIom 1, monolith slab II, stair JIm2 Including salary</b>				
		<b>1.11. Porch K1</b>				
65	CA04B	Cast concrete plates, slabs , beams , columns , prepared with the concrete plant and pouring with classical means, reinforced concrete Class C 15/12 (Bc 15 B 200) at heights up to 35 m inclusively	m3	0.54		
66	CB02D	Formwork from reusable panels with short and under-short resinous wood boarding planks to pour the concrete in pillars and frames, exclusively for supporters, at heights up to 20m inclusively	m2	24.80		
67	CC02K	Reinforced concrete steel shaped in OB 37 construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights smaller or equal to 35 m, excluding constructions executed with sliding formwork (Fitting A1 d=6 mm)	kg	16.80		
68	CC02L2	Concrete steel fittings shaped in PC 52 construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork (Fitting A3 d=14 mm)	kg	42.72		
69	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete	kg	103.28		
70	IzD10A	Anticorrosive painting with the manual brush of the metallic garments and constructions with one layer of anti-corrosive primer based on lead minium and two layers of chlorinated rubber enamel, of the metallic garments and constructions, executed on profiles with thicknesses between 8 mm and 12 mm inclusively	t	0.11		
71	CE40A	Installing the frame beams elements	m3	0.10		

1	2	3	4	5	6	7
		(bars) with antiseptic treatment				
72	CN50A	Fireproof treatment of the carpentry; trusses, arches, beams, rafters, plates.	m3	0.10		
73	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete	kg	146.52		
74	CL17C	Diverse metallic confections, mounted apparently (external stairs in case of fire, etc.) exclusively parapets, railings, manhole covers, etc. (stair C1)	kg	66.84		
75	CN28B	Painting with oil-based paints made in position, in 2 layers on the surface of metallic constructions of industrial halls (columns, beams, frames, breaks) made of light profiles, executed mechanically	t	0.10		
		<i>Total</i>	\$			
		<b>Total Porch K1 Including salary</b>				
		<i>Total</i>	\$			
		<b>Total Constructions Including salary</b>				

		Total	\$	
		Social and health insurance	27,5 %	
		Transportation of materials	%	
		Total		
		<i>Overhead costs</i>	%	
		Total		
		Estimate benefit	%	
		<b>Total estimates: Including salary</b>		

Compiled

\_\_\_\_\_  
(position, signature, name, surname)

Verified

\_\_\_\_\_  
(position, signature, name, surname)

## LOCAL ESTIMATES No 2-1-3

### Heating and ventilation

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, \$	
					Per U.M. incl. salary	Total incl. salary
1	2	3	4	5	6	7
		<b>1. Sanitary technical works</b>				
		<b>1.1. Heating</b>				
1	IB01A	Cast iron radiators (of type KALOR 350/160)	m2	35.36		
2		Cast iron radiators (of type KALOR 350/160)	section	170.00		
3	ID04A	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 15 mm (Balancing d=20 mm of type R 206 "Giacomini" )	piece	10.00		
4	ID04A	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 15 mm (Closing shutter d=20 mm of type R 215 S "Giacomini")	piece	10.00		
5	RpIC42E	Assembling the pipe adapters for central heating installations, drainage adapter of type (R608 D)	piece	20.00		
6	ID06A	Airing tap with mobile key for central heating installations, having the nominal diameter 1/4"	piece	30.00		
7	ID04A	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 1/2" -1" thermostatic valve d=15mm of type R 141 TG/	piece	14.00		
8	ID04A	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 1/2" -1" angle tap d=15 mm of type R14 TG	piece	30.00		
9	ID04A	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 1/2" -1" angle tap with fitting d=15 mm of	piece	16.00		

1	2	3	4	5	6	7
		type R 5 TG/				
10	ID01A	Tap with valve with double control (supply or return) for central heating installations, having the nominal diameter 3/8" - 1/2" Thermostatic head of type R 470	piece	14.00		
11	ID06A	Airing tap with mobile key for central heating installations, automated aerator	piece	6.00		
12	IC38B	The fitting piece, with 2 joins, from combined polypropylene through poly-fusion with the pipe from reinforced polypropylene having the exterior diameter of 20,0 mm Bend 45 degrees d 20	piece	60.00		
13	IC38B	The fitting piece, with 2 joins, from combined polypropylene through poly-fusion with the pipe from reinforced polypropylene having the exterior diameter of 20x1/2 Passing PPR thread 20x15	piece	60.00		
14	RpIC28A	Assembling or intercalating on the pipes the fittings, to the existing pipes of central heating (sleeve, nipple, joint, T-joint, plug, reductions, Holland connector, etc.), with diameter up to 1" T-bend d 20/15/20mm	piece	44.00		
15	RpIC28A	Assembling or intercalating on the pipes the fittings, to the existing pipes of central heating (sleeve, nipple, joint, T-joint, plug, reductions, Holland connector, etc.), with diameter up to 1" Steel T-bend d=20mm	piece	32.00		
16	RpIC28A	Assembling or intercalating on the pipes the fittings, to the existing pipes of central heating (sleeve, nipple, joint, T-joint, plug, reductions, Holland connector, etc.), with diameter up to 1" Steel T-bend d=15mm	piece	40.00		
17	RpIC28A	Assembling or intercalating on the pipes the fittings, to the existing pipes of central heating (sleeve, nipple, joint, T-joint, plug, reductions, Holland connector, etc.), with diameter up to 1" Steel valve d=15mm	piece	20.00		

1	2	3	4	5	6	7
18	ID06A	Airing tap with mobile key for central heating installations, having the nominal diameter 1/4" Plug for radiator	piece	60.00		
19	ID04A	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 1/2" -1" (Steel shutter 18 кч 18п2 d=25 mm)	piece	6.00		
20	ID04A	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter of 15mm (Steel shutter 15 кч 18п2 d=15 mm)	piece	6.00		
21	IC42A	Supporters and devices to support the tubes, boilers, appliances and recipients, with the weight up to 2 kg / piece	kg	40.00		
22	RpCU06A1	Making the ditches 200x200 for mechanized execution	m	6.00		
23	IC11B	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in columns, in central heating installations for residential and social-cultural buildings, the pipe having a diameter of 20x2,2 mm" (electrical-welded steel)	m	175.00		
24	IC11C	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in columns, in central heating installations for residential and social-cultural buildings, the pipe having a diameter of 25x2.2 mm (electrical-welding steel)	m	170.00		
25	IC11E	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in columns, in central heating installations for residential and social-cultural buildings, the pipe having a diameter of 32x2.2 mm (electrical-welding steel)	m	45.00		
26	IC11E	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in columns, in central heating installations for residential and social-cultural buildings, the pipe having a diameter of 38x2.5 mm (Electrical-welding	m	35.00		

1	2	3	4	5	6	7
		steel)				
27	IC11E	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in columns, in central heating installations for residential and social-cultural buildings, the pipe having a diameter of 45x2.5 mm (Electrical-welding steel)	m	70.00		
28	IC11F	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in columns, in central heating installations for residential and social-cultural buildings, the pipe having a diameter of 57x3,0 mm (electrical-welding steel)	m	10.00		
29	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	345.00		
30	IE03B	Performing the leakage test under pressure for the conducts supplying the heating appliances (heaters, thermo-convectors, baseboard convectors, etc.) having a diameter of 1 1/4 " ... 2"	m	160.00		
31	IzA08A	Paintings on pipes, executed manually with oil-based paint on pipes with the exterior diameter up to 34 mm inclusively	m	345.00		
32	IzA08B	Paintings on pipes, executed manually with oil-based paint on pipes with the exterior diameter over 34 mm	m2	20.04		
33	RpIC28A	Assembling or intercalating on the pipes the fittings, to the existing pipes of central heating (sleeve, nipple, joint, T-joint, plug, reductions, Holland connector, etc.), with diameter up to 1" T-bend d 20/25/20mm	piece	12.00		
34	RpIC28B	Assembling or intercalating on the pipes the fittings, to the existing pipes of central heating (sleeve, nipple, joint, T-joint, plug, reductions, Holland connector, etc.), with diameter 1 1/2"-2 1/2" Steel	piece	4.00		

1	2	3	4	5	6	7
		bend d=50 mm				
35	RpIC28B	Assembling or intercalating on the pipes the fittings, to the existing pipes of central heating (sleeve, nipple, joint, T-joint, plug, reductions, Holland connector, etc.), with diameter 1 1/2"-2 1/2" Steel bend d=40 mm	piece	6.00		
36	RpIC28B	Assembling or intercalating on the pipes the fittings, to the existing pipes of central heating (sleeve, nipple, joint, T-joint, plug, reductions, Holland connector, etc.), with diameter 1 1/2"-2 1/2" Steel bend d=32mm	piece	6.00		
37	IzF14A	Sound-insulating layer between the double walls made with mineral wool plates for general insulation stuck with glue (thermal insulation of pipes)	m2	40.00		
38	RpIC18C	Dismantling the black pipe for installations, mounted on central heating pipes, with diameter 1 1/2"-2"	m	50.00		
39	RpIB11A	Dismantling the radiators to be liquidated	m2	7.28		
		<i>Total</i>	\$			
		<b>Total Heating Including salary</b>				
		<b>1.2. Record-keeping node</b>				
40	ID04C	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 2" (Flanges, 15c 58HЖ d 50 mm)	piece	4.00		
41	IA24A	Elevator for joining the central heating installation (with hot water) with the hot water network, having the entry diameter of the nozzle of 15 ... 20 mm	piece	1.00		
42		Elevator d=15 mm 40c10 бк	piece	1.00		
43	IC12I	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in columns, in central heating installations for dwelling and social-cultural buildings, the pipe having the external diameter and thickness of the wall of 159 x 4,5 mm Collector	m	2.28		

1	2	3	4	5	6	7
		159x4,5 L=1,14 m 2 pieces				
44	ID03A	Plug valve tap with three ways, flanges with stuffing, for central heating installations, having a nominal diameter of 15-20 mm (Three-way tap with sleeve for installing the manometer 11Б18БК)	piece	15.00		
45	ID04A	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 1/2" -1" (purification tap d=25 mm 15кч18п2)	piece	4.00		
46	IA23A	Liquid fuel filter	piece	2.00		
47		Filter d=50 mm	piece	2.00		
48	ID04A	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 1/2" -1" (Valve 15кч18п2 d=32 mm)	piece	2.00		
49	ID05A	Gate valve or valve with retainer flange for central heating installations, having the nominal diameter 40 mm Valve 15кч 19п 2 d=40 mm	piece	2.00		
50	ID04C	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 2" (Tap with flanges, 15с 58НЖ d 50 mm)	piece	3.00		
51	GE10B1	Thermometer - mounting	piece	7.00		
52	GE10A1	Manometer МП4-У-0-1 мПа - mounting	piece	11.00		
53	IC53C	Pieces for installing control devices /3КЧ/	piece	22.00		
54	IC42A	Supporters and devices to support the tubes, boilers, appliances and recipients, with the weight up to 2 kg / piece	kg	20.00		
55	IzF14A	Sound-insulating layer between the double walls made with mineral wool plates for general insulation stuck with glue	m2	1.80		
		<i>Total</i>	\$			
		<b>Total Record-keeping node Including salary</b>				
		<i>Total</i>	\$			



1	2	3	4	5	6	7
		<i>Social and health insurance</i>	27,5 %			
		<i>Transportation of materials</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimate benefit</i>	%			
		<b>Total Sanitary technical works Including salary</b>				
		<b>2. Record-keeping node</b>				
		<b>2.1. Mounting works</b>				
56	11-02-001-03	Ultrasound hot water meter d 25, G=6,0 m3/h of type Ultra-flow with signaling cable	piece	1.00		
57	11-02-022-01	Energy corrector Multical 402	piece	1.00		
58	IA18A	Refined fittings for the central heating boilers: thermometer (straight or corner type) with protective case or thermometer with round scale	piece	2.00		
59	IA18A	Refined fittings for the central heating boilers: thermometer (straight or corner type) with protective case or thermometer with round scale	piece	3.00		
60	11-02-001-01	Device installed on threaded joints, weight, kg, up to: 1.5 (manometer of type MII-10Y)	piece	3.00		
		<i>Total</i>	\$			
		<b>Total Mounting works Including salary</b>				
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27,5 %			
		<i>Transportation of materials</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimate benefit</i>	%			
		<b>Total Record-keeping node Including salary</b>				
		<b>3. Ventilation</b>				
		<b>3.1. Construction works</b>				
		<b>3.1.1. Sanitary works</b>				
61	CL20A	Ready-made ventilation grilles made of blackboard with manually adjustable blinds, painted and mounted in masonry ( 600x300)	piece	2.00		
62	VD06A	Making the flexible connector of waterproof canvas, with steel flanges having the perimeter 250-400 mm (flexible interconnection DS 60-30)	piece	10.00		
63	CL20A	Ready-made ventilation grilles made of blackboard with manually	piece	6.00		

1	2	3	4	5	6	7
		adjustable blinds, painted and mounted in masonry ( RAG 400*100)				
64	CL20A	Ready-made ventilation grilles made of blackboard with manually adjustable blinds, painted and mounted in masonry ( RAG 150*200)	piece	13.00		
65	CL20A	Ready-made ventilation grilles made of blackboard with manually adjustable blinds, painted and mounted in masonry ( RAG 150*150)	piece	16.00		
66	CL20A	Ready-made ventilation grilles made of blackboard with manually adjustable blinds, painted and mounted in masonry (RAG 200 * 100)	piece	4.00		
67	CL20A	Ready-made ventilation grilles made of blackboard with manually adjustable blinds, painted and mounted in masonry ( RAG 600*100)	piece	4.00		
68	CL20A	Ready-made ventilation grilles made of blackboard with manually adjustable blinds, painted and mounted in masonry ( RAG 600*200)	piece	4.00		
69	CL20A	Ready-made ventilation grilles made of blackboard with manually adjustable blinds, painted and mounted in masonry ( RAG 200*200)	piece	4.00		
70	CL20A	Ready-made ventilation grilles made of blackboard with manually adjustable blinds, painted and mounted in masonry ( BMV-450)	piece	2.00		
71	VB30A	Hood of general purpose, type A, B , C, made of blackboard of 0.5 mm thickness (0,75x0,75x0,3 H)	m2	2.25		
72	VB02A2	Control flap, spangle, installed on rectangular ditches type CFR-I, CFR-II, with the perimeter 1000 - 1600 mm, manufactured in central workshops P 150x200P	piece	4.00		
73		Metallic net № 2-1,6 d=1 mm	m2	3.00		
74	VC34A	Production and installation of the anchoring and supporting device, for	kg	40.00		

1	2	3	4	5	6	7
		devices, channels , special parts etc. from profiled steel, having the weight up to 5 kg per piece				
75	IzF14A	Sound-insulating layer between the double walls made with mineral wool plates for general insulation stuck with glue	m2	88.00		
76	VA02C2	Manufacturing in central workshops, in sections to be assembled on the site and mounting the straight ventilation ducts, from galvanized steel or aluminum board of 0.7 mm thickness, having the perimeter of the rectangular section of 1600-2500 mm	m2	18.00		
77	VA02B2	Manufacturing in central workshops, in sections to be assembled on the site and mounting the straight ventilation ducts, from galvanized steel or aluminum board of 0.7 mm thickness, having the perimeter of the rectangular section of 700-1600 mm	m2	151.30		
78	VA02E	Manufacturing and mounting the straight ventilation ducts, from galvanized steel or aluminum board of 0.5 mm thickness, having the perimeter of the circular section of 250 -700 mm	m2	1.88		
79	VA02E	Manufacturing and mounting the straight ventilation ducts, from galvanized steel or aluminum board of 0.6 mm thickness, having the perimeter of the circular section of 250 - 700 mm	m2	55.23		
		<i>Total</i>	\$			
		<b>Total Sanitary works Including salary</b>				
		<b>3.1.2. Heating supply II-1 II-2</b>				
80	IC13C	Longitudinally welded black steel pipe with fillet and sleeve assembled by being screwed to apparatus links in central heating installations, the pipe has the diameter 38x2,5 mm (Electrical-welding pipe d=38x2,5 mm)	m	45.00		
81	IC13D	Longitudinally welded black steel pipe with fillet and sleeve assembled by being screwed to apparatus links in central heating installations, the pipe has the diameter 2”	m	35.00		

1	2	3	4	5	6	7
82	IzF14A	Sound-insulating layer between the double walls made with mineral wool plates for general insulation stuck with glue	m2	27.00		
83	RpIC28B	Assembling or intercalating on the pipes the fittings, to the existing pipes of central heating (sleeve, nipple, joint, T-joint, plug, reductions, Holland connector, etc.), with diameter 1 1/2"-2 1/2" Steel T-bend d=32 mm	piece	16.00		
84	RpIC28B	Assembling or intercalating on the pipes the fittings, to the existing pipes of central heating (sleeve, nipple, joint, T-joint, plug, reductions, Holland connector, etc.), with diameter 1 1/2"-2 1/2" Steel bend d=40 mm	piece	2.00		
85	IC42A	Supporters and devices to support the tubes, boilers, appliances and recipients, with the weight up to 2 kg / piece	kg	30.00		
86	ID06A	Airing tap with mobile key for central heating installations, automated aerator	piece	6.00		
87	ID05A	Gate valve or valve with retainer flange for central heating installations, having the nominal diameter 40 mm Valve 15кч 19п 2 d=40 mm	piece	2.00		
		<i>Total</i>	\$			
		<b>Total Heating supply II-1 II-2 Including salary</b>				
		<i>Total</i>	\$			
		<b>Total Construction works Including salary</b>				
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27,5 %			
		<i>Transportation of materials</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimate benefit</i>	%			
		<b>Total Ventilation Including salary</b>				
		<b>4. Mounting the equipment</b>				
		<b>4.1. Sanitary technical works</b>				
88	VC07B	Mounting axial fans, window fans, type VF 315 - VF 900, with the weight of 11 - 20.3 kg, with engine	piece	1.00		

1	2	3	4	5	6	7
		of 0.75 to 3 kW (of type KD355 XL1 N=0,431 кВт 1-230 B)				
89	VC07B	Mounting axial fans, window fans, type VF 315 - VF 900, with the weight of 11 - 20.3 kg, with engine of 0.75 to 3 kW (of type K 200 L1 N=0,158 кВт 1-230 B)	piece	1.00		
90	VB17A	Circular type noise device AZC with perimeter 800 - 1600 mm (noise mitigating device LDC 355)	piece	2.00		
91	VB17A	Circular type noise device AZC with perimeter 800 - 1600 mm (noise mitigating device LDC 200)	piece	1.00		
92	VB15A	Deflector Д 315.00.000-01 d=400 mm	piece	7.00		
		<i>Total</i>	\$			
		<b>Total Sanitary technical works Including salary</b>				
		<b>4.2. Air repression installation in kitchens II1-II2</b>				
93	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 (of type L=1565 m3/h SYSTEMAIR )	piece	1.00		
94	VC11A	Assembling the air filter with filtering cells, with the weight of 50 - 200 kg (of type FFK 60-30)	piece	1.00		
95	VC01B	Assembling the centrifuge-type ventilators with total weight 50-400 kg, assembled in metallic case (of type KE-60-30-4)	piece	1.00		
96	VC29A	Assembling the air heating battery, with filtering bags, having the total weight of 50 - 200 kg (of type VBR 60-30-2)	piece	1.00		
97	VB02B2	Control flap, spangle, installed on rectangular ditches type CFR-I, CFR-II, with the perimeter 1600 - 3200 mm, manufactured in centralized workshops (of type SRK60-30)	piece	1.00		
98	AcB09A	Assembling devices for electrical triggering of air valves, the valves having the diameter of 400-600 mm	piece	1.00		

1	2	3	4	5	6	7
99	VB18B	Noise apparatus, rectangular with the perimeter 2000 - 3200 mm, noise damper LDR 60-30	piece	1.00		
100	VC11A	Assembling the air filter with filtering cells, with the weight of 50 - 200 kg (Filtering element of type BFK 60-30-5)	piece	1.00		
		<i>Total</i>	\$			
		<b>Total Air repression installation in kitchens II1-II2 Including salary</b>				
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27,5 %			
		<i>Transportation of materials</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimate benefit</i>	%			
		<b>Total Mounting the equipment Including salary</b>				
		<b>5. Equipment</b>				
		<b>5.1. Sanitary technical equipment</b>				
101		Duct ventilator of type KD 355 XL 1 N=0,431 КБТ 1-230 B SYSTEMAIR	piece	1.00		
102		Duct fan of type K 200 L 1 N=0,158 КБТ 1-230 B SYSTEMAIR	piece	1.00		
103		Noise damper of type LDC 355 SYSTEMAIR	piece	1.00		
104		Noise damper of type LDC 200 SYSTEMAIR	piece	1.00		
105		Deflector of type Д 315.00.000-01 d=400 mm	piece	4.00		
		<i>Total</i>	\$			
		<b>Total Sanitary technical equipment Including salary</b>				
		<b>5.2. Air repression installation in kitchens II-1 II-2</b>				
106		Air repression installation in kitchens of type "SYSTEMAIR" L=1565 м3/h completely equipped	piece	1.00		
107		Air filter of type FFK 60-30	piece	1.00		
108		Duct fan of type KE-60-30-4	piece	1.00		
109		Water heater of type VBR 60-30-2	piece	1.00		
110		Electro-drive of type Bellimo LF 230	piece	1.00		

1	2	3	4	5	6	7
		N=50 БТ				
111		Clack valve of type SRK 60-30	piece	1.00		
112		Noise damper of type LDR60-30	piece	1.00		
113		Filtering element of type BFK60-30-5	piece	1.00		
		<i>Total</i>	\$			
		<b>Total Air repression installation in kitchens II-1 II-2 Including salary</b>				
		<b>5.3. Record-keeping node</b>				
114		Ultrasound hot water meter of type Ды 25, G= m3/h Ultra-flow	piece	1.00		
115		Signaling cable	piece	1.00		
116		Energy corrector of type Multical 402	piece	1.00		
117		Thermometer with signaling cable 3m	piece	2.00		
118		Technical thermometer with range 0-100 C	piece	3.00		
119		Manometer with range 0-1,0 МПа МП-10 Y	piece	3.00		
		<i>Total</i>	\$			
		<b>Total Record-keeping node Including salary</b>				
		<i>Total</i>	\$			
		<i>Storage costs</i>	%			
		<b>Total Equipment Including salary</b>				

		Total	\$	
		<b>Total estimates: Including salary</b>		

Compiled

\_\_\_\_\_  
(position, signature, name, surname)

Verified

\_\_\_\_\_  
(position, signature, name, surname)

## LOCAL ESTIMATES No 2-1-4

### Water supply and sewerage

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, \$	
					Per U.M. incl. salary	Total incl. salary
1	2	3	4	5	6	7
		<b>1. Sanitary works</b>				
		<b>1.1. Aqueduct B1,T3</b>				
1	SE58B	The device for measuring the water flow with boundary, having the diameter of the branch pipe of 50 mm	set	1.00		
2	SD19A	Tap with retainer with threaded sleeves, having the diameter of 20 mm (shut-off faucet sleeve)	piece	1.00		
3	SE56A1	Filter for drinking water, with threaded sleeves to be installed on the pipe, with the diameter 1" - 2" Filter d=25 mm	piece	1.00		
4	SE44A	Electrical water heater, having the capacity of 80 liters and the weight of 44 kg, mounted on consoles fixed into the wall	piece	3.00		
5	SE44B	Electrical water heater, having the capacity of 110 liters and the weight of 50 kg, mounted on consoles fixed into the wall	piece	2.00		
6	SD01B	Service tap, simple or double with adapter, regardless of the closing modality, having the diameter 3/4" - 1" (Tap with sleeves d=32mm)	piece	4.00		
7	SD01B	Service tap, simple or double with adapter, regardless of the closing modality, having the diameter 3/4" - 1" (Tap with sleeves d=25mm)	piece	2.00		
8	SD01B	Service tap, simple or double with adapter, regardless of the closing modality, having the diameter 3/4" - 1" (Tap with sleeves d=20mm)	piece	3.00		
9	SD01A	Service tap, simple or double with adapter, regardless of the closing modality, having the diameter 3/8" -	piece	18.00		



1	2	3	4	5	6	7
		1/2" (Tap with sleeves d=15mm)				
10	SA35A1	T-bend from soft cast iron, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter of 2 " T-bend d 50x20 mm	piece	2.00		
11	SA35A1	T-bend from soft cast iron, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter of 2 " T-bend d 50x25 mm	piece	2.00		
12	SA35A1	T-bend from soft cast iron, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter of 2 " T-bend d 50 mm	piece	10.00		
13	SA35A1	T-bend from soft cast iron, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter of 2 " T-bend d 32x20 mm	piece	2.00		
14	SA35A	Fittings from soft cast iron, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter of 2 " Bend d=50 mm	piece	14.00		
15	SA35A	Fittings from soft cast iron, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter of 2 " Bend d=32 mm	piece	6.00		
16	SA35A	Fittings from soft cast iron, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter of 2 " Bend d=25 mm	piece	2.00		
17	SA35A	Fittings from soft cast iron, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter of 2 " Bend d=20 mm	piece	2.00		
18	AcA53A	Assembling the fittings through electro-fusion. Combining through electro-fusion type welding the pipes and the polyethylene fittings (sleeves, bends, T-joints), the pipes having the diameter 20, 25, 32, 40, 50, 63 mm.	piece	1.00		

1	2	3	4	5	6	7
		Transition sleeve 50x32 mm PPRC-3 (PN10)				
19	AcA53A	Assembling the fittings through electro-fusion. Combining through electro-fusion type welding the pipes and the polyethylene fittings (sleeves, bends, T-joints), the pipes having the diameter 20, 25, 32, 40, 50, 63 mm. Transition sleeve 32x25 mm PPRC-3 (PN10)	piece	1.00		
20	SA35A	Fittings from soft cast iron, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter of 2 " Polyethylene transition sleeve thread 15x20 mm	piece	30.00		
21	SA35D	Fittings from soft cast iron, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter of 4 " Iron T-bend d=100x50 mm	piece	1.00		
22	SA35A	Fittings from soft cast iron, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter of 2 " Polyethylene transition sleeve thread 20x25 mm	piece	4.00		
23	AcA53A	Assembling the fittings through electro-fusion. Combining through electro-fusion type welding the pipes and the polyethylene fittings (sleeves, bends, T-joints), the pipes having the diameter 20, 25, 32, 40, 50, 63 mm. Polyethylene bend d=32 mm PPRC-3 (PN10)	piece	32.00		
24	AcA53A	Assembling the fittings through electro-fusion. Combining through electro-fusion welding the pipes and the polyethylene fittings (bend), d=25 mm PPRC-3 (PN10)	piece	4.00		
25	AcA53A	Assembling the fittings through electro-fusion. Combining through electro-fusion welding the pipes and the polyethylene fittings (T-bend), d=25x20 mm PPRC-3 (PN10)	piece	6.00		
26	AcA53A	Assembling the fittings through electro-fusion. Combining through electro-fusion welding the pipes and the polyethylene fittings (T-bend),	piece	26.00		

1	2	3	4	5	6	7
		d=20 mm PPRC-3 (PN10)				
27	SA35A	Fittings from soft cast iron, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter of 2 " Sleeve with internal thread d=20 mm	piece	16.00		
28	SA35A	Fittings from soft cast iron, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter of 2 " Sleeve with internal thread d=25 mm	piece	6.00		
29	SD04A	Static mixing battery with swinging boom for the washer I	piece	3.00		
30	SD02B	Mixing battery for the bath, with flexible or fixed shower, irrespective of the closing modality, including for the disabled people, mounted on concrete walls	piece	2.00		
31	SD01A	Service tap, simple or double with adapter, regardless of the closing modality, having the diameter 15mm, Polypropylene tap d=1/2*	piece	12.00		
32	AcA25A	Assembling through electrical welding of the linking pieces from steel, in a certain position, with the diameter of 50-100 mm Sleeve with thread and holes for assembling d=20 mm	piece	8.00		
33		Flexible hose 1/2 L =0,5 m	piece	46.00		
34	SA02A	Galvanized steel tubes for installations, installed on connection pipes, at sanitary sites for dwelling and social-cultural buildings and on connection pipes at hydrants, with the diameter 1/2" d=20 mm	m	6.00		
35	SA02A	Galvanized steel tubes for installations, installed on connection pipes, at sanitary sites for dwelling and social-cultural buildings and on connection pipes at hydrants, with the diameter 1/2" d=25 mm	m	12.00		
36	SA02B	Galvanized steel tubes for installations, installed on connection pipes, at sanitary sites for dwelling and social-cultural buildings and on connection pipes at hydrants, with the diameter 3/4" d=32 mm	m	18.00		

1	2	3	4	5	6	7
37	SA02C	Galvanized steel tubes for installations, installed on connection pipes, at sanitary sites for dwelling and social-cultural buildings and on connection pipes at hydrants, with the diameter 1" d=50 mm	m	40.00		
38	CN23A	Paintings of superior quality of the functional installations, executed with oil-based paint on pipes with the exterior diameter up to 34 mm inclusively	m	76.00		
39	CN23B	Paintings of superior quality of the functional installations, executed with oil-based paint on pipes with the exterior diameter over 34 mm inclusively	m2	19.71		
40	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	76.00		
41	SA15A	Pipe of plastic material joined by poly-fusion welding, in distribution pipes on sanitary sites in dwelling and social-cultural buildings, having the diameter of 16 mm PPR pipe d=20*2,1 mm	m	70.00		
42	SA15B	Pipe of plastic material joined by poly-fusion welding, in distribution pipes on sanitary sites in dwelling and social-cultural buildings, having the diameter of 20 mm, PPR pipe d=25*2,5 mm	m	20.00		
43	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	90.00		
44	SA17C	Plastic pipe joined by poly-fusion welding, in distribution pipes in dwelling and social-cultural buildings, having the diameter of 40 mm, polyethylene pipe	m	10.00		
45	RpIF09A	Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D=20 mm Armaflex	m	55.00		

1	2	3	4	5	6	7
46	RpIF09A	Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D=25 mm Armaflex	m	12.00		
47	RpIF09A	Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D=32 mm Armaflex	m	18.00		
48	RpIF09A	Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D=50 mm Armaflex	m	40.00		
49	IC42A	Supporters and devices to support the tubes, boilers, appliances and recipients, with the weight up to 2 kg / piece	kg	10.00		
50	IC40B	Bracket for fixing the steel pipes for central heating or gas installation, assembled on gimlets of 1 1/4" - 2", PVC gimlets on brick walls	piece	40.00		
51	IC40B	Bracket for fixing the steel pipes for central heating or gas installation, assembled on gimlets of 1 1/4" - 2", PVC gimlets on brick walls	piece	12.00		
52	IC40B	Bracket for fixing the steel pipes for central heating or gas installation, assembled on gimlets of 1 1/4" - 2", PVC gimlets on brick wall X	piece	2.00		
53	SD17A	Internal hydrant, for buildings, with diameter 2", mounted on wall (with case and frame), completely set with the hose and the nipple	piece	6.00		
54		Anti-fire panel	set	6.00		
		<i>Total</i>	\$			
		<b>Total Aqueduct B1,T3 Including salary</b>				
		<b>1.2. Sewerage K1</b>				
55	SC08A	Closet vessel with base, oriental, completely equipped, from enamel cast iron, sanitary porcelain, etc. oval or rectangular type, embedded	piece	8.00		
56	SC04B	Corner sink from sanitary semi-porcelain or porcelain, etc. including for disabled people, with the sewerage pipe of plastic material, mounted on a console fixed on the concrete walls	piece	8.00		
57	SC04B	Corner sink from sanitary semi-	piece	2.00		

1	2	3	4	5	6	7
		porcelain or porcelain, etc. including for disabled people, with the sewerage pipe of plastic material, mounted on a console fixed on the concrete walls				
58	SB24A	Paving siphon from enameled cast iron, simple, having the diameter 50 mm	piece	2.00		
59	SC01B1	Enameled cast iron bathtub, enameled tin, polymetacryl, fiberglass etc., including with hydro-massage, having plastic drainage pipe, mounted on cast iron legs. For the bathtub having the drainage from lead pipe	piece	1.00		
60	SB10E	The linking piece from plastic (simple ramification) for sewerage, combined with rubber case, having a diameter of 100 mm (syphon d=50mm)	piece	4.00		
61	SB24A	Siphon from enameled cast iron, simple, having the diameter 50 mm	piece	4.00		
62	SB10E	The linking piece from plastic (simple ramification) for sewerage, combined with rubber case, having a diameter of 100 mm (syphon of the washing machine d=50mm)	piece	2.00		
63	SB10E	The linking piece from plastic (simple ramification) for sewerage, combined with rubber case, having a diameter of 100 mm pvc refit	piece	6.00		
64	SB10C	The linking piece from plastic (simple ramification) for sewerage, combined with rubber case, having a diameter of 50 mm pvc refit	piece	2.00		
65	SA35A1	T-bend from soft cast iron, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter of 2 “ Anti-fire sleeve d=50mm	piece	22.00		
66	SA35D	Fittings from soft cast iron, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, Anti-fire sleeve d=100mm	piece	14.00		
67	SB08C	Plastic sewer pipe, combined with rubber case, surface-mounted or buried under the floor, having a diameter of 50 mm	m	55.00		

1	2	3	4	5	6	7
68	SB08E	Plastic sewer pipe, combined with rubber case, surface-mounted or buried under the floor, having a diameter of 110 mm	m	70.00		
69	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	m	12.50		
70	IC42A	Supporters and devices to support the tubes	kg	9.00		
71	RpCU05C1	Executing the perforation for the pipes or ties in the walls or slabs of stone or reinforced concrete up to 15 cm thickness, for performing the perforation in a mechanized way	piece	25.00		
72	RpCU05C1	Executing the perforation for the pipes or ties in the walls or slabs of stone or reinforced concrete up to 15 cm thickness, for performing the perforation in a mechanized way	piece	4.00		
73	RpCU05C1	Executing the perforation for the pipes or ties in the walls or slabs of stone or reinforced concrete up to 15 cm thickness, for performing the perforation in a mechanized way	piece	18.00		
74	RpCU05C1	Executing the perforation for the pipes or ties in the walls or slabs of stone or reinforced concrete up to 15 cm thickness, for performing the perforation in a mechanized way	piece	3.00		
75	RpSC05A	Dismantling a pottery washstand, including the accessories	piece	2.00		
76	RpSC06A	Dismantling a closet reservoir of pottery, completely equipped	piece	2.00		
77	RpSA03A	Dismantling the zincate steel pipe, existing inside the building, with a diameter of 1/2"-1"	m	30.00		
78	RpSA03B	Dismantling the zincate steel pipe, existing inside the building, with a diameter of 1 1/4"-2"	m	30.00		
79	RpSB01A	Dismantling the tubes and the connecting pieces from cast iron, for sewerage, with diameter of 50 mm	m	20.00		
80	RpSB01C	Dismantling the tubes and the connecting pieces from cast iron, for sewerage, with diameter of 100 mm	m	40.00		
		<i>Total</i>	\$			
		<b>Total Sewerage K1 Including salary</b>				
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27,5 %			
		<i>Transportation of materials</i>	%			
		<i>Direct cost</i>				

1	2	3	4	5	6	7
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimate benefit</i>	%			
		<b>Total Sanitary works Including salary</b>				
		<b>2. Mounting the equipment</b>				
81	SE57A	Preparing device for hot waste water, functioning with heating agent of hot water of 70-90 degrees C, having the capacity up to 1000l	piece	2.00		
82	SC01B	Enameled cast iron bathtub, enameled tin, polymetacryl, fiberglass etc., including with hydro-massage, having plastic drainage pipe, mounted on cast iron legs.	piece	3.00		
83	AcB09A	Assembling devices for electrical triggering of fillets, d=50 mm	piece	1.00		
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27,5 %			
		<i>Transportation of materials</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimate benefit</i>	%			
		<b>Total Mounting the equipment Including salary</b>				
		<b>3. Equipment</b>				
84		Boiler V=50 l	piece	3.00		
85		Boiler V=100 l	piece	2.00		
86		Shower cabin with mixing battery	piece	3.00		
87		Actuator valve d 50 mm	piece	1.00		
		<i>Total</i>	\$			
		<b>Total Equipment Including salary</b>				

		Total	\$	
		<b>Total estimates: Including salary</b>		

Compiled

\_\_\_\_\_  
(position, signature, name, surname)

Verified

\_\_\_\_\_  
(position, signature, name, surname)



## LOCAL ESTIMATES No 2-1-5

### Power and lighting electrical equipment

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, \$	
					Per U.M. incl. salary	Total incl. salary
1	2	3	4	5	6	7
		<b>1. Construction works</b>				
1	TsA16B1	Manual digging of the soil, in limited spaces, in trenches for earthing	m3	6.300		
2	TsD18B	Compacted filling of the ditches, for the buried cables of high voltage electricity lines, made with ground came from middle fields	m3	6.300		
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27,5 %			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Benefit</i>	%			
		<i>Total</i>				
		<b>Total Construction works Including salary</b>				
		<b>2. Mounting works</b>				
3	08-03-573-6	Suspended command box (switchboard), height, width, and depth, mm, up to 1200x600x500 (1ГПИ)	piece	1.000		
4	08-03-521-15	Switcher mounted on metallic support, with three poles, power up to 250 A	piece	1.000		
5	08-03-526-2	-Mono-, bi-, three-pole automate, mounted on the wall or column construction, power up to 100	piece	2.000		
6	08-03-526-1	Mono-, bi-, three-pole automate, mounted on constructions, power up to 25 A	piece	6.000		
7	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5	piece	9.000		
8	08-03-573-	Suspended command box	piece	1.000		

1	2	3	4	5	6	7
	4	(switchboard), height, width, and depth, mm, up to 600x600x350 (IIIГII)				
9	08-03-521-1	-Power switch , mono-pole	piece	1.000		
10	08-03-526-1	Mono-, bi-, three-pole automate, mounted on constructions, power up to 25 A	piece	3.000		
11	08-03-529-3	Alternative power closing switch on constructions, power up to 160 A	piece	1.000		
12	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5	piece	9.000		
13	08-03-573-5	Suspended command box (switchboard), height, width, and depth, mm, up to 900x600x500 (PII1)	piece	1.000		
14	08-03-521-15	Switcher mounted on metallic support, with three poles, power up to 250 A	piece	1.000		
15	08-03-526-2	-Mono-, bi-, three-pole automate, mounted on the wall or column construction, power up to 100	piece	4.000		
16	08-03-526-1	Mono-, bi-, three-pole automate, mounted on constructions, power up to 25 A	piece	11.000		
17	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5	piece	9.000		
18	08-03-572-8	Command switchboard of closet-type or as distribution point type (case), mounted in the corbel, with specific height and width, mm, up to 700x850 (PII2)	piece	1.000		
19	08-03-521-15	-Power switch, three phases	piece	1.000		
20	08-03-526-2	-Mono-, bi-, three-pole automate, mounted on the wall or column construction, power up to 100	piece	4.000		
21	08-03-526-1	Mono-, bi-, three-pole automate, mounted on constructions, power up to 25 A	piece	4.000		
22	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up	piece	6.000		

1	2	3	4	5	6	7
		to: 5				
23	08-03-572-8	Command switchboard of closet-type or as distribution point type (case), mounted in the corbel, with specific height and width, mm, up to 700x850 (PIIB)	piece	1.000		
24	08-03-529-3	Alternative power closing switch on constructions, power up to 160 A	piece	1.000		
25	08-03-526-1	Mono-, bi-, three-pole automate, mounted on constructions, power up to 25 A	piece	6.000		
26	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5	piece	6.000		
27	08-03-599-1	Lighting panels mounted in the corbel with distancing dowels, the weight of the panel, kg, up to 6 (IIQO1)	piece	1.000		
28	08-03-521-15	-Power switch, three phases	piece	1.000		
29	08-03-526-1	Mono-, bi-, three-pole automate, mounted on constructions, power up to 25 A	piece	13.000		
30	08-01-066-1	Lightning conductor, pressure up to 10 kV	set	1.000		
31	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5	piece	9.000		
32	08-03-599-1	Lighting panels mounted in the corbel with distancing dowels, the weight of the panel, kg, up to 6 (IIQO2)	piece	1.000		
33	08-03-521-15	-Power switch, three phases	piece	1.000		
34	08-03-526-1	Mono-, bi-, three-pole automate, mounted on constructions, power up to 25 A	piece	11.000		
35	08-01-066-1	Lightning conductor, pressure up to 10 kV	set	1.000		
36	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5	piece	9.000		
37	08-03-599-	Lighting panels mounted in the	piece	1.000		

1	2	3	4	5	6	7
	1	corbel with distancing dowels, the weight of the panel, kg, up to 6 (ИЦАО)				
38	08-03-521-1	Power switch, mono-pole, power 32 A	piece	1.000		
39	08-03-526-1	Mono-, bi-, three-pole automate, mounted on constructions, power up to 25 A	piece	10.000		
40	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5	piece	6.000		
41	08-03-529-3	Alternative power closing switch on constructions, electricity up to 160 A	piece	3.000		
42	08-03-532-4	Command post (switchboard) with buttons, common destination, mounted on construction, wall or column, quantity of the post's elements up to 3	piece	8.000		
43	08-03-594-1	Light fitting with luminescent lamps mounted separately on pylons, quantity of lamps in the light fitting, 1	100 pieces	0.040		
44	08-03-594-2	Light fitting with luminescent lamps mounted separately on pylons, quantity of lamps in the light fitting, 2	100 pieces	0.380		
45	08-03-594-3	Light fitting with luminescent lamps mounted separately on pylons, quantity of lamps in the light fitting, up to 4	100 pieces	0.510		
46	08-03-593-10	Lighting indicators on the wall	100 pieces	0.100		
47	08-03-591-11	Plug outlet with earthing	100 pieces	0.590		
48	08-03-591-10	Semi-sealed and sealed plug outlet	100 pieces	0.210		
49	08-03-591-12	Blocks with five plug outlets of buried type, in closed installation	100 pieces	0.160		
50	08-03-591-2	Switcher with one flap, buried type, in open installation	100 pieces	0.530		
51	08-03-591-3	Semi-sealed and sealed switch	100 pieces	0.070		
52	08-03-591-5	Switcher with two flaps, unburied type, in open installation	100 pieces	0.240		
53	08-03-592-	Wall or ceiling socket	100	0.260		

1	2	3	4	5	6	7
	1		pieces			
54	08-03-545-1	Box with clips for cables and leads, sections up to 6 mm <sup>2</sup> , mounted on the wall or column construction, quantity of clips: 10	piece	1.000		
55	08-02-409-1	Vinyl pipe on installed constructions, on walls and columns, fixing with clamps, diameter up to 25 mm	100 m	21.800		
56	08-02-409-2	Vinyl pipe on installed constructions, on walls and columns, fixing with clamps, diameter up to 50 mm	100 m	1.300		
57	08-02-409-3	Vinyl pipe on installed constructions, on walls and columns, fixing with clamps, diameter 70 mm	100 m	0.400		
58	08-02-409-5	Vinyl pipe on installed constructions, on ceilings, diameter 100 mm	100 m	0.060		
59	08-02-396-5	Metallic channel on walls and ceilings, length 2 m	100 m	0.020		
60	08-02-401-1	Cable, fixing with clamps, strips, with installation of ramification boxes, with 2-4 wires, the section of the wire up to 16 mm <sup>2</sup>	100 m	0.800		
61	08-02-146-1	Cable up to 35 kV in pipes, with applied clamps, mass 1 m up to: 0.5 kg	100 m	1.100		
62	08-02-148-1	Cable up to 35 kV in pipes, blocks, and cases, mass 1 m up to: 1 kg	100 m	25.510		
63	08-02-148-4	Cable up to 35 kV in pipes, blocks, and cases, mass 1 m up to: 6 kg	100 m	0.450		
64	08-02-158-4	Dried terminal for the control cable, section of a conductor up to 2.5 mm <sup>2</sup> , quantity of the conductors up to 4	piece	18.000		
65	08-02-158-4	Dried terminal for the control cable, section of a conductor up to 2.5 mm <sup>2</sup> , quantity of the conductors up to 4, ББГНГ-LS 3x1.5mm <sup>2</sup> , ББГНГ-LS 3x2.5mm <sup>2</sup> , ББГНГ-LS 4x1.5mm <sup>2</sup>	piece	148.000		
66	08-02-158-11	Dried terminal for the control cable, section of a conductor up to 6 mm <sup>2</sup> , quantity of the conductors up to 4, ББГНГ-LS 3x4mm <sup>2</sup> , ББГНГ-LS 3x6mm <sup>2</sup>	piece	16.000		

1	2	3	4	5	6	7
67	08-02-158-12	Dried terminal for the control cable, section of a conductor up to 6 mm <sup>2</sup> , quantity of the conductors up to 7, ББГНГ-LS 5x4mm <sup>2</sup>	piece	8.000		
68	08-02-158-14	Dried terminal for the control cable, section of a conductor up to 35 mm <sup>2</sup> , ББГНГ-LS 5x10mm <sup>2</sup>	piece	14.000		
69	08-02-158-15	Dried terminal for the control cable, section of a conductor up to 120 mm <sup>2</sup> , ББГНГ-LS 5x70mm <sup>2</sup>	piece	4.000		
70	08-02-471-4	Ground plate, vertical, from round steel, diameter 20 mm, l=3m	10 pieces	0.300		
71	08-02-472-1	Grounding conductor: ground plate, horizontal, from round steel, diameter 20 mm	100 m	0.210		
72	08-02-472-6	Grounding conductor, open, on construction supports, from steel strips, section 100 mm <sup>2</sup>	100 m	0.200		
73	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 <sup>2</sup>	100 m	1.150		
74	08-03-482-14	Preparing the machines for testing, launch into control and start, connection to the electricity lines, alternative power machine, mass up to 0.25 t	piece	5.000		
75	33410025-2	Light fitting OPL/S 1x36W IP20	piece	4.000		
76	33410031-5	Light fitting OPL/S 4X18W (LPO type)	piece	36.000		
77	33410031-1	Light fitting OPL/S 2X18W (LPO type)	piece	14.000		
78	33410031-11	Light fitting OPL/S 4X18W+ES1 (LPO type)	piece	9.000		
79	33410240-1	Light fitting ALS.OPL 4x18W	piece	4.000		
80	33410240-3	Light fitting ALS.OPL 2x18W	piece	6.000		
81	33410240-6	Light fitting ALS.OPL 4x18W+ES1	piece	2.000		
82	33410034-01	Light fitting BH 236W	piece	1.000		
83	33410130-1	Light fitting NBT 22 F226	piece	5.000		
84	33410044-	Light fitting CD218	piece	12.000		

1	2	3	4	5	6	7
	01					
85	33410025-05	Light fitting "Exit"	piece	1.000		
86	3340025-14	Wall light indicator MIZAR S LED IP40 230V, 3h, 4.1W, 150lm	piece	9.000		
87	3341203-33	Fluorescent tube ЛЛ-36	piece	4.000		
88	3341203-32	Fluorescent tube ЛЛ-18	piece	244.000		
89	3341203-35	Compact fluorescent tube ЛЛК-1x26	piece	10.000		
90	3341203-34	Compact fluorescent tube ЛЛК-1x18	piece	24.000		
91	336029-07	Plug socket in closed installation with earthing contact 220V, 20A, IP20	piece	59.000		
92	336029-08	Plug socket in closed installation with earthing contact 220V, 20A, IP54	piece	21.000		
93	336029-17	Block of sockets 5 places with earthing contact, 220V, 20A, IP20	piece	16.000		
94	336027-04	Switcher with one flap for closed installation 220V, 10A, IP20	piece	53.000		
95	336027-05	Switcher with one flap for closed installation 220V, 10A, IP54	piece	4.000		
96	336027-07	Switcher with two flaps for closed installation 220V, 10A, IP20	piece	22.000		
97	336027-08	Switcher with two flaps for closed installation 220V, 10A, IP54	piece	2.000		
98	336000018-2	Suspended socket E27	piece	13.000		
99	33600017-1	Wall socket	piece	13.000		
100	337002-3	Ramification box Y196	piece	161.000		
101	3370023-2	Ramification box	piece	100.000		
102	3370027	Ramification box Y614Y2 (10 clamps)	piece	1.000		
103	3332126-01	Cable ВВГнг-LS 3x1.5mm <sup>2</sup>	m	1 125,000		
104	3332124-12	Cable ВВГнг-LS 3x2.5mm <sup>2</sup>	m	760.000		
105	3332124-16	Cable ВВГнг-LS 3x4,0mm <sup>2</sup>	m	10.000		
106	3332124-26	Cable ВВГнг-LS 3x6,0mm <sup>2</sup>	m	100.000		
107	3332124-36	Cable ВВГнг-LS 3x10,0mm <sup>2</sup>	m	35.000		

1	2	3	4	5	6	7
108	3332126-02	Cable ВВГнг-LS 4x1.5mm2	m	105.000		
109	3332124-05	Cable ВВГнг-LS 5x4mm2	m	90.000		
110	3332124-07	Cable ВВГнг-LS 5x10mm2	m	80.000		
111	3332124-10	Cable ВВГнг-LS 5x70mm2	m	45.000		
112	3332027-33	Cable КВВГнг 4x1.5mm2	m	200.000		
113	3331017-19	Conductor ПБ1 4,0mm2	m	45.000		
114	3331017-20	Conductor ПБ1 6,0mm2	m	35.000		
115	445000-55	PVC corrugated pipe CTG20-20-K41-100 d=20mm	m	1 240,000		
116	441000-1562	PVC pipe d=25mm	m	940.000		
117	441000-1563	PVC pipe d=32 mm	m	20.000		
118	441000-1564	PVC pipe d=40mm	m	900.000		
119	441000-1567	PVC pipe d=70mm	m	40.000		
120	33371011-21	Duct for zincked cable 50x100 mm	m	2.000		
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27,5 %			
		<i>Transportation of materials</i>	%			
		<i>Collecting materials</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Benefit</i>	%			
		<i>Total</i>				
		<b>Total Mounting works Including salary</b>				
		<b>3. Equipment</b>				
121	555064-08	Dispatch box ПР-2-3 36УХЛ3 , IP31 (ГРЩ)	piece	1.000		
122	5551015-2	Switcher - disconnecter BP32И-35B31250 250A	piece	1.000		
123	5550252-9	Automated switcher 3p 80A, BA47-100/3/80C	piece	2.000		
124	5550244-12	Automated switcher with 3 phases BA47-29//3/25C	piece	1.000		
125	5550244-11	Automated switcher with 3 poles 20A, BA47-29//3/20C	piece	4.000		
126	5550244-13	Automated switcher with 3 poles 32A, BA47-29//3/32C	piece	1.000		



1	2	3	4	5	6	7
127	55500075-2	Connecting bar of PIN type, 3 phases, In=63A, (l=1m) YNS20-3-63	piece	3.000		
128	555000073-2	- Null bar N6x9mm type 14x1 YNN10-14-100	piece	6.000		
129	5550086-03	Dispatching box ЩРН-123-1 36 УХЛ3 IP31, 265x310x120 (ЩГП)	piece	1.000		
130	555-100029-1	Switcher BH32/1/63 , 63A	piece	1.000		
131	5550236-12	Automated switcher with 1 pole 20A, BA47-29/1/20B	piece	1.000		
132	5550236-3	Automated switcher with 1 pole 2A, BA47-29/1/2B	piece	1.000		
133	5550237-11	Automated switcher with 1 pole 10A, BA47-29/1/10C	piece	1.000		
134	33700305-4	Circuit closer КМИ-10910 , 9A, 230В/AC3 1НО	piece	1.000		
135	55500075-2	Connecting bar of PIN type, 3 phases, In=63A, (l=1m) YNS20-3-63	piece	3.000		
136	555000073-2	- Null bar N6x9mm type 14x1 YNN10-14-100	piece	6.000		
137	555064-01	Dispatch box ПР-1-0 36УХЛ3 IP31, 900x400x165 mm , YKM 14-01-31 (ПЩ1)	piece	1.000		
138	5551015-3	Switcher - disconnecter BP32И-35B31250 150A	piece	1.000		
139	5550237-9	Automated switcher with 1 pole 6A, BA47-29/1/6C	piece	2.000		
140	5550296-8	Automated switcher for differentiation AD-14/4/25/30, 25A, 30mA	piece	2.000		
141	5550295-14	Automated switcher for differentiation AD-12/2/32/30, 32A, 30mA	piece	2.000		
142	5550295-13	Automated switcher for differentiation AD-12/2/32/10, 32A, 10mA	piece	2.000		
143	5550295-8	Automated switcher for differentiation AD-12/2/20/30, 20A, 30mA	piece	2.000		
144	5550295-6	Automated switcher for differentiation AD-12/2/16/30, 16A, 30mA	piece	1.000		

1	2	3	4	5	6	7
145	5550295-5	Automated switcher for differentiation AD-12/2/16/10, 16A, 10mA	piece	4.000		
146	55500075-2	Connecting bar of PIN type, 3 phases, In=63A, (l=1m) YNS20-3-63	piece	3.000		
147	555000073-2	- Null bar N6x9mm type 14x1 YNN10-14-100	piece	6.000		
148	55520124	Box ЩПБ-ПМ-24 IP31, for 24 modules (ЩЦ2)	piece	1.000		
149	555-100011-3	Switcher BH32/3/32 , 32A	piece	1.000		
150	5550237-9	Automated switcher with 1 pole 6A, BA47-29/1/6C	piece	2.000		
151	5550295-14	Automated switcher for differentiation AD-12/2/32/30, 32A, 30mA	piece	4.000		
152	5550295-5	Automated switcher for differentiation AD-12/2/16/10, 16A, 10mA	piece	2.000		
153	55500075-2	Connecting bar of PIN type, 3 phases, In=63A, (l=1m) YNS20-3-63	piece	2.000		
154	555000073-2	- Null bar N6x9mm type 14x1 YNN10-14-100	piece	4.000		
155	555205-3	Embedded box for 12 modules ЩПБ-ПМ-12 , IP21 (ЩЦВ)	piece	1.000		
156	33700308-8	Circuit closer КМИ-22511 , 25A, 400B/AC3 1H3	piece	1.000		
157	5550237-11	Automated switcher with 1 pole 10A, BA47-29/1/10C	piece	2.000		
158	5550237-7	Automated switcher with 1 pole 4A, BA47-29/1/4C	piece	3.000		
159	5550237-4	Automated switcher with 1 pole 2A, BA47-29/1/2C	piece	1.000		
160	55500075-2	Connecting bar of PIN type, 3 phases, In=63A, (l=1m) YNS20-3-63	piece	2.000		
161	555000073-2	- Null bar N6x9mm type 14x1 YNN10-14-100	piece	4.000		
162	555206-6	Box for 36 modules ЩПБ-ПМ-36 IP31 size:420x280x105 (ЩО1)	piece	1.000		
163	555-100011-3	Switcher BH32/3/32 , 32A	piece	1.000		
164	5550236-7	Automated switcher 1p 6A BA47-	piece	5.000		

1	2	3	4	5	6	7
		29/1/6B				
165	5550236-3	Automated switcher with 1 pole 2A, BA47-29/1/2B	piece	2.000		
166	5550295-6	Automated switcher for differentiation AD-12/2/16/30, 16A, 30mA	piece	6.000		
167	130-1007-3	Power reliever ОПС1 С 1P, In=20kA, Un=400V, In=40kA (MOP10-1-C)	piece	2.000		
168	55500075-2	Connecting bar of PIN type, 3 phases, In=63A, (l=1m) YNS20-3-63	piece	3.000		
169	555000073-2	- Null bar N6x9mm type 14x1 YNN10-14-100	piece	6.000		
170	555206-6	Box for 36 modules ЩРВ-ПМ-36 IP31 dim:420x280x105 (ЩО2)	piece	1.000		
171	555-100011-3	Switcher BH32/3/32 , 32A	piece	1.000		
172	5550236-7	Automated switcher 1p 6A BA47-29/1/6B	piece	5.000		
173	5550295-6	Automated switcher for differentiation AD-12/2/16/30, 16A, 30mA	piece	6.000		
174	130-1007-3	Power reliever ОПС1 С 1P, In=20kA, Un=400V, In=40kA (MOP10-1-C)	piece	2.000		
175	55500075-2	Connecting bar of PIN type, 3 phases, In=63A, (l=1m) YNS20-3-63	piece	3.000		
176	555000073-2	- Null bar N6x9mm type 14x1 YNN10-14-100	piece	6.000		
177	555205-4	Box for 18 modules ЩРВ-ПМ-18, IP31 size: 283x216x93 (ЩАО)	piece	1.000		
178	555-100028	Switcher BH32/1/32, 32A	piece	1.000		
179	5550236-5	Automated switcher 1p 4A, BA47-29/1/4B	piece	9.000		
180	5550236-3	Automated switcher with 1 pole 2A, BA47-29/1/2B	piece	1.000		
181	55500075-2	Connecting bar of PIN type, 3 phases, In=63A, (l=1m) YNS20-3-63	piece	2.000		
182	555000073-2	- Null bar N6x9mm type 14x1 YNN10-14-100	piece	4.000		
183	3370305-	Circuit closer КМИ-10960 9A in the	piece	3.000		

1	2	3	4	5	6	7
	01	cover, 220B/AC3 IP54				
184	33410001-5	Command point with buttons ПКЕ-222-2	piece	4.000		
185	33410001-4	Command point with buttons ПКЕ-222-1	piece	4.000		
		<i>Total</i>	\$			
		<i>Collecting materials</i>	%			
		<i>Total</i>				
		<b>Total Equipment Including salary</b>				

		Total	\$	
		<b>Total estimates: Including salary</b>		

Compiled

\_\_\_\_\_

(position, signature, name, surname)

Verified

\_\_\_\_\_

(position, signature, name, surname)

## LOCAL ESTIMATES No 2-1-6

### Fire warning and guard

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, lei	
					Per U.M. incl. salary	Total incl. salary
1	2	3	4	5	6	7
		<b>1. Mounting works</b>				
		<b>1.1. Fire warning</b>				
1	10-08-001-01	Receiver-devices. Reception and control devices "TIC", for starting. Concentrator: main block for 10 flashes	piece	1.000		
2	10-08-003-03	Ultra-sound devices: relay block	piece	1.000		
3	10-08-002-02	Automated alarms "TIC": smoke, photo-electric, radio-isotopes, light in normal execution	piece	51.000		
4	10-08-002-01	Automated alarms "TIC": thermal in normal execution	piece	4.000		
5	10-08-002-02	Warnings "TIC" ИПП	piece	4.000		
6	10-08-003-03	Supply source	piece	1.000		
7	08-01-121-5	Accumulator	piece	1.000		
8	10-06-037-09	Box	piece	1.000		
9	10-04-066-05	Wall appliances: Siren	piece	3.000		
10	08-02-409-1	Viniplast pipe on installed constructions, on walls and columns, fixing with clamps, diameter up to 25 mm	100 m	0.400		
11	08-02-148-1	Cable up to 35 kV in pipes, blocks, and cases, mass 1 m up to: 1 kg	100 m	0.800		
12	10-01-055-09	Placing the cable and conductor on walls: Mono-pair conductor fixing with wire clamps on the wall: concrete	100 m	3.600		
13	08-02-412-1	Introducing conductors in metal pipes and hoses: the first conductor is mono-strand or multi-strands in joint braiding, summary section up to 2,5 mm <sup>2</sup>	100 m	0.050		

1	2	3	4	5	6	7
14	10-06-034-15	Different works: Protection of the cable with gutters, on concrete walls	m	300.000		
15	3331019-6	PVC conductor 3x0,75mm <sup>2</sup>	m	5.000		
16	33320134-1	Cable КПКБНГ-FRLS 1x2x0,5mm <sup>2</sup>	m	430.000		
17	33320134-2	Cable КПКБНГ-FRLS 2x2x0,5mm <sup>2</sup>	m	5.000		
18	33500221-15	Telephone cable UTP CAT5E 4x2x0.5	m	5.000		
19	3337102-1	Plastic ditch 20x10 mm	m	300.000		
20	441000-1560	PVC pipe d=20mm	m	40.000		
		<i>Total</i>	\$			
		<b>Total Fire warning Including salary</b>				
		<b>1.2. TV system for supervision and guard</b>				
21	10-04-067-22	Color TV set: video-registrar	piece	1.000		
22	10-04-112-01	Telecommunication and warning: Commutator	piece	2.000		
23	10-04-067-23	Color TV set: video-camera	piece	27.000		
24	10-08-003-03	Supply source	piece	1.000		
25	10-06-037-08	Dispatch box , size, mm, 100x100	piece	12.000		
26	10-01-055-09	Placing the cable and conductor on walls: Mono-pair conductor fixing with wire clamps on the wall: concrete	100 m	5.000		
27	10-06-034-15	Different works: Protection of the cable with gutters, on concrete walls	m	300.000		
28	33500221-15	Telephone cable UTP CAT5E 4x2x0.5	m	550.000		
29	3337102-1	Plastic ditch 20x10 mm	m	150.000		
30	3337102-2	Plastic ditch 35x10 mm	m	150.000		
31	33341045-3	Dispatch box 100x100	piece	12.000		
		<i>Total</i>	\$			
		<b>Total TV system for supervision and guard Including salary</b>				
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27,5 %			
		<i>Transportation of materials</i>	%			
		<i>Collecting materials</i>	%			
		<i>Direct cost</i>				

1	2	3	4	5	6	7
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Benefit</i>	%			
		<i>Total</i>				
		<b>Total Mounting works Including salary</b>				
		<b>2. Equipment</b>				
		<b>2.1. Fire warning</b>				
32	3340172-03	Reception and control device "C2000"	piece	1.000		
33	33400174-3	Reception and control device for 10 ranges Signal -1O	piece	1.000		
34	33400031-10	Signaling and triggering block "C2000-СП1 exec.01"	piece	1.000		
35	3340194-01	Smoke detector ИП-212-46	piece	51.000		
36	3341003-2	Manual fire warning ИПП-513-3	piece	4.000		
37	3340008-05	Reserve supply source РИП 12V,3.0A-17A/h	piece	1.000		
38	33400083-3	Acumulator12B, 17A/h	piece	2.000		
39	33400083-4	Case for accumulator 12B , 17A/h	piece	1.000		
40	334092-2	Siren 12v	piece	3.000		
		<i>Total</i>	\$			
		<b>Total Fire warning Including salary</b>				
		<b>2.2. TV system for supervision and guard</b>				
41	3370219-01	IP video recorder 32 channels DH-NVR4432	piece	1.000		
42	3334103-04	Commutator PoE + 24 channels TL-SG3424P	piece	2.000		
43	334089-01	Monitor 27.0" PHILIPS 1920x1080/ D-Sub, HDMI 274E5QHSB	piece	1.000		
44	3370218-25	IP video camera in the form of a dome IPC HD1200CP	piece	12.000		
45	3370218-25	Street IP video camera IPC HFW1300SP	piece	10.000		
46	3340201-05	Supply block ИБП PA Back-UPS CS (BK650EI) 650VA/400W BK650EI	piece	1.000		
		<i>Total</i>	\$			
		<b>Total TV system for supervision and guard Including salary</b>				
		<i>Total</i>	\$			

1	2	3	4	5	6	7
		<i>Collecting materials</i>	%			
		<i>Total</i>				
		<b>Total Equipment Including salary</b>				

		Total	\$	
		<b>Total estimates: Including salary</b>		

Compiled

\_\_\_\_\_

(position, signature, name, surname)

Verified

\_\_\_\_\_

(position, signature, name, surname)



## LOCAL ESTIMATES No 2-1-7

### Automation for heating and ventilation

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, \$	
					Per U.M. incl. salary	Total incl. salary
1	2	3	4	5	6	7
		<b>1. Mounting works</b>				
1	10-08-003-03	Controller AirEL	piece	2.000		
2	11-02-001-01	Device installed on threaded joints, weight, kg, up to: 1.5	piece	4.000		
3	IA18A	Refined fittings for the heating boilers: thermometers	piece	8.000		
4	IA18I	Refined fittings for the central heating boilers: the casing for thermometer	piece	8.000		
5	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5 (pressure relay controller DCPD000100)	piece	2.000		
6	11-06-001-01	Panel, mass, kg, up to: 50	piece	2.000		
7	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5	piece	20.000		
8	08-03-574-1	Installations on devices and connecting the cable threads or conductors of exterior network to the blocks of the clamps and to the clamps of devices and mechanisms: cables or conductors, section up to 10 mm <sup>2</sup>	100	0.400		
9	08-01-082-1	Range of clamps: clamps without protection carcass	100 pieces	0.600		
10	08-02-146-1	Cable up to 35 kV in pipes, with applied clamps, mass 1 m up to: 0.5 kg	100 m	1.870		
11	08-02-148-	Cable up to 35 kV in posed metallic	100 m	0.060		

1	2	3	4	5	6	7
	1	hose, mass 1 m up to: 1 kg				
12	08-02-158-4	Dried terminal for the control cable, section of a conductor up to 2.5 mm <sup>2</sup> , quantity of the conductors up to 4	piece	28.000		
13	08-02-158-5	Dried terminal for the control cable, section of a conductor up to 2.5 mm <sup>2</sup> , quantity of the conductors up to 7	piece	4.000		
14	08-02-158-6	Dried terminal for the control cable, section of a conductor up to 2.5 mm <sup>2</sup> , quantity of the conductors up to 10	piece	4.000		
15	08-02-411-1	Metallic hose, exterior diameter up to 48 mm	100 m	0.060		
16	33400043	Casing П№2	piece	8.000		
17	3332127-01	Cable КББГнг-LS 4x1.0mm <sup>2</sup>	m	16.000		
18	3332127-1	Cable КББГнг-LS 4x1.5mm <sup>2</sup>	m	167.000		
19	3332127-15	Cable КББГнг-LS 5x1.5mm <sup>2</sup>	m	6.000		
20	3332127-05	Cable КББГнг-LS 10x1.0mm <sup>2</sup>	m	4.000		
21	44400071-04	Insulated metallic hose P3-II-X Dy=20mm	m	6.000		
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27,5 %			
		<i>Transportation of materials</i>	%			
		<i>Collecting materials</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Benefit</i>	%			
		<i>Total</i>				
		<b>Total Mounting works Including salary</b>				
		<b>2. Equipment</b>				
22	3380118-03	Controller (PAYT) AirEL	piece	2.000		
23	3380204-02	Air temperature transducer Pt 1000 STa-02	piece	2.000		
24	3380014-1	Thermo-regulating installation in set with detector TG-K330, type RT 0-30	piece	2.000		
25	3380217-03	Thermometer TT.П.4.1-240.103	piece	4.000		
26	3380217-02	Thermometer TT.П.2.1-240.103	piece	4.000		

1	2	3	4	5	6	7
27	3380006-1	Pressure detector-relay DCPD000100	piece	2.000		
28	338000204	Metallic case ИМПИ-1-0-36УХЛ3 IP31 , size 395x310x220 (ИПАП)	piece	2.000		
29	2550111-15	Electromagnetic relay 220 V, 3 contacts R3-2013-23-5230-WT	piece	2.000		
30	2550111-16	Electromagnetic relay 24 V, 4 contacts R4-2014-23-5024-WT	piece	2.000		
31	33800015-17	Green color signaling fittings AC- 44061Y2	piece	4.000		
32	33800015-18	Red color signaling fittings AC- 44061Y2	piece	2.000		
33	5550237-2	Automated switcher 1p 1A BA47- 29/1/1C	piece	4.000		
34	338000238	Transformer GW 96434	piece	2.000		
35	338000301-03	Screw clamp ЗНН-4	piece	60.000		
		<i>Total</i>	\$			
		<i>Collecting materials</i>	%			
		<i>Total</i>				
		<b>Total Equipment Including salary</b>				

		Total	\$	
		<b>Total estimates: Including salary</b>		

Compiled

\_\_\_\_\_  
(position, signature, name, surname)

Verified

\_\_\_\_\_  
(position, signature, name, surname)

## LOCAL ESTIMATES No 2-1-8

### Warning and communication

1

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, \$	
					Per U.M. incl. salary	Total incl. salary
1	2	3	4	5	6	7
		<b>1. Mounting works</b>				
		<b>1.1. Telephone network</b>				
1	10-02-030-01	System-based telephone device "ЛБ" or "ATC": table-type	piece	4.000		
2	10-04-066-07	Telephone socket	piece	4.000		
3	10-06-037-09	Box	piece	1.000		
4	10-01-055-09	Placing the cable and conductor on walls: Mono-pair conductor fixing with wire clamps on the wall: concrete	100 m	0.500		
5	336009-145	Telephone socket RJ-12	piece	4.000		
6	33600033-01	Connector Rj-12	piece	4.000		
7	333410045-4	Box -10x2 KRONE	piece	1.000		
8	33500221-14	Telephone cable UTP-3	m	50.000		
		<i>Total</i>	\$			
		<b>Total Telephone network Including salary</b>				
		<b>1.2. Computer network</b>				
9	11-04-002-01	Network router	piece	1.000		
10	10-04-066-07	Computer socket	piece	12.000		
11	10-01-055-09	Placing the cable and conductor on walls: Mono-pair conductor fixing with wire clamps on the wall: concrete	100 m	2.000		
12	10-06-034-15	Different works: Protection of the cable with gutters, on concrete walls	m	120.000		
13	336009-44	Computer socket	piece	12.000		
14	33500221-	Telephone cable UTP cat. 5	m	200.000		

1	2	3	4	5	6	7
	15					
15	3337102-1	Plastic ditch 10x22 mm	m	100.000		
16	3337102-2	Plastic ditch 15x35 mm	m	20.000		
		<i>Total</i>	\$			
		<b>Total Computer network Including salary</b>				
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27,5 %			
		<i>Transportation of materials</i>	%			
		<i>Collecting materials</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Benefit</i>	%			
		<i>Total</i>				
		<b>Total Mounting works Including salary</b>				
		<b>2. Equipment</b>				
		<b>2.1. Telephone network</b>				
17	33701215-01	Telephone device	piece	4.000		
		<i>Total</i>	\$			
		<b>Total Telephone network Including salary</b>				
		<b>2.2. Computer network</b>				
18	334028-01	Hub for 16 connections	piece	1.000		
		<i>Total</i>	\$			
		<b>Total Computer network Including salary</b>				
		<b>2.3. Wire broadcasting</b>				
19	33341028-01	Radio emitter YKB	piece	7.000		
		<i>Total</i>	\$			
		<b>Total Wire broadcasting Including salary</b>				
		<i>Total</i>	\$			
		<i>Collecting materials</i>	%			
		<i>Total</i>				
		<b>Total Equipment Including salary</b>				

		Total	\$	
		Total estimates: Including salary		

Compiled

\_\_\_\_\_  
(position, signature, name, surname)

Verified

\_\_\_\_\_  
(position, signature, name, surname)

## LOCAL ESTIMATES No 3-1-1

### Electricity supply (L=215m)

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, \$	
					Per U.M. incl. salary	Total incl. salary
1	2	3	4	5	6	7
		<b>1. Construction works</b>				
1	34-02-001-1	Executing the pipe line from asbestos-cement pipes by combining them with steel collars: up to 2 holes	1 km	0.020		
2	34-02-003-1	Executing the pipe line from polyethylene pipes: up to 2 holes	1 km	0.220		
3	4450014-01	Corrugated hard pipe with 2 walls of polyethylene DKC-94/110 "Serial6"	m	120.000		
4	4450015-02	Corrugated flexible pipe with 2 walls of polyethylene DKC-94/110 "Serial2"	m	100.000		
5	4450015-03	Connection collar for the pipe DKC with diameter 110mm code:015110	m	20.000		
6	4450015-04	Compacted ring for pressurizing the collar for the pipe DKC with diameter 110mm code:016110	m	40.000		
7	4450015-05	Temporary cap for the pipe DKC with diameter 110mm code:023110	m	30.000		
8	TsC02B1	Mechanic digging with pneumatic excavator of 0,21-0,39 m3, with hydraulic command, in grounds with natural humidity, and unloading on the field storage of cat.	100 m3	0.364		
9	TsD02D1	Spreading the loose land coming from the fields of category I and II, executed with caterpillar tractor-based bulldozer 65-80 HP, in layers with thickness of 51-100 cm	100 m3	0.364		
10	TsC02B1	Mechanic digging with pneumatic excavator of 0,21-0,39 m3, with hydraulic command, in grounds with natural humidity, and unloading on the field storage of	100 m3	0.300		

1	2	3	4	5	6	7
		cat. II.				
11	TsD02D1	Spreading the loose land coming from the fields of category I and II, executed with caterpillar tractor-based bulldozer 65-80 HP, in layers with thickness of 51-100 cm	100 m3	0.300		
12	TsA16B1	Manual digging of the soil, in limited spaces, in trenches	m3	25.000		
13	TsD18B	Compacted filling of the ditches, for the buried cables of high voltage electricity lines, made with ground came from middle fields	m3	25.000		
14	RpEM29A	Breaking the asphalt layer	m3	1.800		
15	DI83E	Repairing the degraded areas of the road clothing of ordinary macadam with the thickness after rolling of 16 cm	m2	18.000		
16	DI82D	Repairing degraded areas of road clothing from asphalt concrete with masked aggregates, executed in hot conditions, in thickness of 6.0 cm with manual laying	m2	18.000		
17	DI82B	Repairing degraded areas of road clothing from asphalt concrete with small aggregates, executed in hot conditions, in thickness of 4.0 cm with manual laying	m2	18.000		
18	RpDB36C	Dismantling the pavements from concrete or basalt flagging and stone or concrete borders of different size, laid on concrete (stone or concrete borders)	m	6.000		
19	DE10C	Pre-manufactured concrete borders, for pavements 20x30 cm, on concrete foundation 30x15 cm	m	6.000		
20	TsA16B1	Manual digging of the soil, in limited spaces, in trenches for earthing	m3	9.000		
21	TsD18B	Compacted filling of the ditches, for the buried cables of high voltage electricity lines, made with ground came from middle fields	m3	9.000		
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27.50%			
		<i>Transportation of materials</i>	%			
		<i>Collecting materials</i>	%			
		<i>Direct cost</i>	100.00 +			
		<i>Overhead costs</i>	%			
		<i>Total</i>	100.00 +			
		<i>Benefit</i>	%			

1	2	3	4	5	6	7
		<i>Total</i>	100.00 +			
		<b>Total Construction works Including salary</b>				
		<b>2. Mounting works</b>				
22	08-01-084-4	Chambers of assembled distribution installations: the room with the power switcher	piece	1.000		
23	08-03-521-15	Switcher with lever on a plate with central or lateral trigger or trigger with a bar, mounted on metallic support, with three poles, power up to 250 A (installed in PY-0,4кВ ТП-54 existing)	piece	1.000		
24	08-03-523-2	Safety device, installed on insulating support, electricity up to 250 A (installed in PY-0,4кВ ТП-54 existing)	piece	3.000		
25	08-03-572-4	Command switchboard of closet-type or as distribution point type (case), mounted on the wall, with specific height and width, mm, up to 1200x1000 (BZUM-TF-01-400)	piece	1.000		
26	08-03-521-16	Switcher with lever on a plate with central or lateral trigger or trigger with a bar, mounted on metallic support, with three poles, power up to 400 A	piece	1.000		
27	08-03-526-3	-Mono-, bi-, three-pole automate, mounted on the wall or column construction, power up to 250	piece	1.000		
28	08-03-600-2	Meters mounted on prepared support, with three phases	piece	1.000		
29	08-01-053-1	Power transformer, tension up to 10kV	piece	3.000		
30	08-01-066-1	Lightning conductor, pressure up to 10 kV	set	1.000		
31	08-03-573-4	Suspended command box (switchboard), height, width, and depth, mm, up to 600x600x350 (ABP-100-1021)	piece	1.000		
32	08-02-152-4	Cable metallic constructions: support for assembled cable constructions (without shelves), weight up to: 1.6 kg	100 pieces	2.000		
33	08-02-152-8	Cable metallic constructions: cable shelf, installed on the support, weight up to: 0.7 kg	100 pieces	4.000		
34	08-02-395-1	Metallic gutter fixed on assembled constructions, the	t	0.022		



1	2	3	4	5	6	7
		width of the gutter up to 200 mm				
35	08-02-142-1	Executing the bedding for one single cable in the ditch	100 m	2.050		
36	08-02-141-4	Cable up to 35 kV in ditches executed without covering, mass 1 m up to: 6 kg	100 m	2.700		
37	08-02-143-1	Covering the cable, placed in the ditch: with bricks, one single cable	100 m	1.250		
38	08-02-163-3	Terminal head with thermal-contactable gloves from polyethylene for the cable with 3-4 conductors with insulation from paper, pressure up to 1kV , section of a conductor up to 240 mm <sup>2</sup>	piece	2.000		
39	08-02-148-4	Cable up to 35 kV in pipes, blocks, and cases, mass 1 m up to: 6 kg	100 m	2.200		
40	08-02-147-4	Cable up to 35 kV installed constructions and gutters, fixed at the bends and by the end of the length, mass 1 m of cable, up to: 6 kg	100 m	0.300		
41	08-02-407-4	Steel pipe on installed constructions on walls fixing with clamps, diameter up to 80 mm	100 m	0.200		
42	08-02-472-6	Grounding conductor, open, on construction supports, from steel strips, section 100 mm <sup>2</sup>	100 m	0.060		
43	08-02-471-4	Ground plate, vertical, from round steel, diameter 20 mm, l=3m (foil 8)	10 pieces	0.400		
44	08-02-472-2	Grounding conductor: ground plate, horizontal, from strip steel, section 160 mm <sup>2</sup> (foil 8)	100 m	0.300		
45	08-03-573-4	Suspended command box (switchboard), height, width, and depth, mm, up to 600x600x350 (Panel of the main earthing bar Г3III-10-YXJI4 size:300x450x120mm) (foil 8)	piece	1.000		
46	08-02-472-10	Grounding conductor from insulated copper conductor, section 25 mm <sup>2</sup> , open, on construction supports (foil 8)	100 m	0.580		
47	08-02-407-2	Steel pipe on installed constructions on walls fixing with clamps, diameter up to 40 mm (foil 8)	100 m	0.020		

1	2	3	4	5	6	7
48	08-02-148-1	Cable up to 35 kV in pipes, blocks, and cases, mass 1 m up to: 1 kg (foil 8)	100 m	0.020		
49	08-02-472-8	Grounding conductor, open, on construction supports, from round steel, diameter 6 mm (foil 8)	100 m	0.600		
50	10-06-034-23	Different works: Device for getting the cable from sewerage on the wall (including separation and filling), without crossing the wall	100 pieces	0.020		
51	555090-02	Panel of the main earthing bar Г3III-10-УХЛ4 size:300x450x120mm (foil 8)	piece	1.000		
52	3332241-01	Cable ББГнг 1x4mm2 (foil 8)	m	60.000		
53	44400014	Steel pipe d=32mm (foil 8)	m	2.000		
54	336033-08	Box KM41006 size;172x96x45 (foil 8)	piece	5.000		
55	3370201-16	Safety ПН2-250 250А (installed in PY-0,4кВ ТП-54 existing)	piece	3.000		
56	33320117-1	Cable АББ6ШВ 4x185mm2	m	520.000		
57	3350408-11	Cable lug DTL-185	piece	8.000		
58	3335108-06	Terminal collar, internal installation 4КБТп 1-(150-240)	piece	2.000		
59	335000429-33	Zincked shelf K1163Y3 L=45cm	piece	4.000		
60	33500402-1	Zincked support K1150 Y3 L=40cm	piece	2.000		
61	3337201-6	Metallic gutter ЛП(0.8)200H45 L=2.5m (4 pieces)	m	10.000		
62	33330002	Sand	m3	19.400		
63	33330001	Bricks	piece	1 000,000		
64	444019-06	Steel pipe for water and gas 80 mm	m	20.000		
		Total	\$			
		Social and health insurance	27.50%			
		Transportation of materials	%			
		Collecting materials	%			
		Direct cost	100.00 +			
		Overhead costs	%			
		Total	100.00 +			
		Benefit	%			
		Total	100.00 +			
		<b>Total Mounting works Including salary</b>				

1	2	3	4	5	6	7
		<b>3. Equipment</b>				
65	555100172	Line panel, type ИО90-2402Y3	piece	1.000		
66	555-100372	Switcher with lever ПИС-250. 250A (installed in PY-0,4кВ ТП-54 existing)	piece	1.000		
67	555053-10	Panel BZUM-TF-01-400A (size:1250x650x325 mm)	set	1.000		
68	5551011-10	Power switch BP32-37B 31250 400A	piece	1.000		
69	5550213-3	Automated switcher with 3 poles 200A, BA88-35/3/200	piece	1.000		
70	5550151-26	Three-phase electronic meter ZMG 410 CR4.04.041b37 S2 3*5(10A ) 277-480V CL1	piece	1.000		
71	5551028-12	Transformer T 0.66 0.5A 200/5 with conductor	piece	3.000		
72	130-1007-9	Power reliever ОПС1 В 3P, In=30kA,Un=400V,In=60kA (MOP10-3-B)	piece	1.000		
73	5552012-16	Automated installation for changing the supply from the reserve ABP-100-1021YXJ14 size:400x400x200mm, IP21	piece	1.000		
		<i>Total</i>	\$			
		<i>Collecting materials</i>	%			
		<i>Total</i>	100.00 +			
		<b>Total Equipment Including salary</b>				
		<b>Total estimates: Including salary</b>				

Compiled

\_\_\_\_\_  
(position, signature, name, surname)

Verified

\_\_\_\_\_  
(position, signature, name, surname)

## LOCAL ESTIMATES No 2-1-9

### Finishing the common facade

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, \$	
					Per U.M. incl. salary	Total incl. salary
1	2	3	4	5	6	7
		<b>1. Windows</b>				
1	RpCO56A	Dismantling of the wooden carpeting (doors, windows, shutter, rolls, cases, masks, etc.)	m2	50.40		
2	CK23A	Plastic windows with one or more leafs with heights up to 35 m inclusively, having an area of the casement up to 1,00 m2 (4-chambers profile)	m2	1.68		
3	CK23B	Plastic windows with one or more leafs with heights up to 35 m inclusively, having an area of the casement between 1,00 and 2,5 m2, (profiles with 4 chambers)	m2	4.68		
4	CK23C	Plastic windows with one or more leafs with heights up to 35 m inclusively, having an area of the casement of over 2,5 m2 (4-chambers profile)	m2	44.04		
5	CK26A	Sills assembled at the plastic windows	m	27.00		
6	CK26B	Sills assembled at the windows from aluminum	m	27.00		
		<i>Total</i>	\$			
		<b>Total Windows Including salary</b>				
		<b>2. External finishing works</b>				
7	RpCM33A	Dismantling the plates of floor tiles, ceramics, and pottery	m2	21.12		
8	RpCJ35A	Clearing the exterior or interior coating from the walls or ceiling	m2	82.00		
9	RpCJ23C	Repairing the external plastering, leveled, on masonry of breaks or concrete	m2	92.00		
10	IzF54A	External thermal insulation of buildings with fine plaster based on thermal insulators (rigid fixation systems of the thermal insulation), smooth wall surface: with polystyrene plate and framing the gaps with mineral wool	m2	132.00		
11	CN53A	Coating the areas	m2	132.00		

1	2	3	4	5	6	7
12	RpCJ18A	Finishing with coating on levelled plastering of 3mm thick	m2	132.00		
13	CN54B	Manual application of the quartz ground "Gleta" in one layer, for the exterior walls of the facade.	m2	132.00		
14	CF30A	Exterior coating of 2-3 mm thickness, executed manually, with "TINC" mixture on the walls.	m2	132.00		
15	CB15A	Self-lifting metallic scaffold 2 halls Lmax=12 m, Hmax=31m, for ordinary works at the facade	m2	106.00		
16	RpCD08A	Assembling the welded nets STM or STNB on walls and diaphragms with the weight up to 3 kg/m2	kg	63.36		
17	CF05A	Interior plastering of 3 cm thickness, executed on braided wire, leveled, on walls and slits with lime-cement brand M 100 -T for HRMS, lime-cement mortar brand M 50-T for primer and mortar of lime-cement M 10-T for the visible layer, executed manually on flat surfaces , including the installation of steel coat and braided wire applied on the walls	m2	21.12		
18	CI06C	Plywood glass glazed, unglazed, matte or glossy tiles of the same color and form with dimensions of 15 x 15 cm to 30 x 30, executed on flat surfaces of walls and pillars , including sills and edges , with alternating joints, in premises with an area exceeding 10 m2, fixed with adhesive for installation of plywood	m2	21.12		
		<i>Total</i>	\$			
		<b>Total External finishing works Including salary</b>				

	Total	\$	
	Social and health insurance	27%	
	Transportation costs	%	
	Total		
	Unexpected costs	%	
	Total		
	Profitability	%	
	Total		
	<b>Total estimates: Including salary</b>		

Compiled

\_\_\_\_\_  
(position, signature, name, surname)

Verified

\_\_\_\_\_  
(position, signature, name, surname)