

**Boiler shop and heating system
of the Culture Hall in
Carmanova village, Grigoriopol
rayon**

Form No. 7
WinCmeta

(name of the site)

**LOCAL ESTIMATES No 2-1-1
2-1-1 SA (Architectural solutions)**

Compiled based on current prices as of 02.10.2017

No.	Symbol of the standard 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
		1. Walls and divisions				
1	CD55A	Limestone masonry blocks for the walls with height up to 4 m, ordinary masonry	m3	1.18		
2	RpCU05I1	Executing the perforation for the pipes or ties in the walls of stone or reinforced concrete of 26- 50 cm thickness, for executing mechanized perforations	piece	2.00		
3	RpCG29D1	Demolishing with mechanical means the masonry walls for creating holes in the masonry, for demolition with mechanical means	m3	2.61		
4	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete (reinforcing the open spaces for the angle door 75x5 at the boiler shop and in the basement)	kg	206.00		
5	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete (Frame P1 plate 14)	kg	47.00		
6	RpCU02A	Lintels of metal beams, mounted in masonry, including cutting the sleepers according to certain sizes (lintels np1-2)	kg	27.30		
7	CL57A	Assembling and fixing the pieces embedded in monolith reinforced concrete: with weight under 4 kg (lintels for the dividing walls np3 Fittings d=12mm AIII)	kg	23.00		
8	RpCA01A	Manual excavation of land in confined spaces , having 1.00 m in	m3	1.40		

1	2	3	4	5	6	7
		width and maximum 1.5 m depth, with vertical slope, for polygonal foundation pits, ditches, etc., executed in amounts of up to 20 m ³ with unsupported sides (digging for foundations at the dividing walls)				
9	RpCB02B	Concrete poured into molds, in continuous or isolated foundations, in weakly demanded radiation, for underground walls, parapets, massive etc., in existing buildings, concrete prepared with on-site concrete mixer and pouring with classical means of simple concrete C-10/8 Bc10 (B150) (foundations for dividing walls)	m ³	1.40		
10	RpCD01A	Steel-concrete coating OB 37, with diam. up to 8 mm inclusively, shaped in the on-site workshops, shaping the coating for foundations and removal d=6mm AI	kg	3.00		
11	RpCD02A	Steel-concrete coating OB 37, with diam. up to 8 mm inclusively, shaped in the on-site workshops, shaping the coating for foundations and removal d=12mm AIII	kg	20.00		
12	RpCG05C1	Masonry with small concrete blocks, with light aggregates of autoclaved aerated concrete of 20-24 cm thick, to fill in the open spaces or the new walls in the existing buildings, with equal or more than 25 cm thickness, executed with mortar of brand M-50-Z, from autoclaved aerated concrete blocks 290x240x138 mm	m ³	3.43		
13	RpCD01C1	Steel-concrete coating PC 52, with diam. up to 8 mm inclusively, shaped on the on-site workshops, shaping the coating for straight plates, pylons, beams, etc. (plates Cs-1 reinforcing the masonry with autoclaved aerated concrete)	kg	35.00		
14	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete (fixing pieces MM-1 plate 15)	kg	16.50		
15	CD72B	Separating walls from PGC with thickness of 75-125 mm on the simple metallic carcass with PGC plates in one layer on both sides with insulation, with the height up to 4 m	m ²	18.30		
		<i>Total</i>	\$			
		Total Walls and divisions Including salary				
		2. Reinforcing the wall (board 16)				
16	RpCJ35A	Clearing the exterior or interior coating from the walls or ceiling	m ²	28.50		

1	2	3	4	5	6	7
17	RCsB21A	Mechanical drilling of holes with diameter of 5 cm, in concrete elements, with thickness of up to 20 cm	piece	80.00		
18	CN53A	Coating the internal surfaces of the walls and ceilings	m2	28.50		
19	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete Anchor d=12mm AIII	kg	28.50		
20	RpCU07B	Caulking the holes in the walls with cement-lime mortar, after installations or consolidations	piece	80.00		
21	RpCJ10A1	Repairing the 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 T-50 for primer and mortar of lime-cement brand 10 T for the visible layer, applied on walls, executing the new plastering (total rebuilding) (Reinforcing mesh Bp-d=5mm 110kg)	m2	28.50		
		<i>Total</i>	\$			
		Total Reinforcing the wall (board 16) Including salary				
		3. Reinforcing the small hall (board 18)				
22	RpCO56A	Dismantling of the wooden carpeting (doors, windows, shutter, rolls, cases, masks, etc.) (dismantling the windows)	m2	45.60		
23	RpCG29E	Demolishing the walls from masonry from the demolishing the refractory masonry	m3	0.48		
24	RpCJ35A	Clearing the exterior or interior coating from the walls or ceiling	m2	51.00		
25	CN53A	Coating the internal surfaces of the walls and ceilings	m2	60.40		
26	RCsP29B1	Ready-made metallic elements (columns, beams , trusses), supplied fully assembled, installed on the site, in lightweight construction, assembling the metallic sections through welding, for mounting at the position (reinforcing the columns of the halls with angles 90x6 and plates o b=10mm)	kg	1 374,00		
27	RCsP29B1	Ready-made metallic elements (columns, beams , trusses), supplied fully assembled, installed on the site, in lightweight construction, assembling the metallic sections through welding, for mounting at the	kg	135.00		

1	2	3	4	5	6	7
		position (reinforcing the columns of the halls with angles 90x6 and plates o b=10mm)				
28	RpCJ10A1	Repairing the 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 T-50 for primer and mortar of lime-cement brand 10 T for the visible layer, applied on walls, executing the new plastering (total rebuilding) (Reinforcing mesh Bp-d=4mm 178kg)	m2	54.00		
29	RpCC05B	Formwork planks of resinous wood, for re-pouring diaphragms and straight walls, up to 20 m high	m2	5.24		
30	RpCB03A	Reinforced concrete poured in lintels, belts, insulated cornices, separating walls, stairs balustrade and balconies, decorative columns, reinforced concrete liners, for assembling the metallic columns at the existing buildings, prepared with concrete-mixer on site and poured with classical means, with reinforced concrete class C- 15/12 Bc15 (B200)	m3	0.45		
31	CK23C	Plastic windows with one or more leafs with 5 chambers glass 4x16x4 with heights up to 35 m inclusively, having an area of the casement of over 2,5 m2	m2	45.60		
		<i>Total</i>	\$			
		Total Reinforcing the small hall (board 18) Including salary				
		4. Suspended ceiling				
32	RpCU05F1	Executing the perforation for the pipes or ties in the walls of stones or reinforced concrete of 16 -25 cm thickness, for executing mechanized perforations	piece	18.00		
33	CL08A	Ready-made metallic elements (columns, beams , trusses), supplied fully assembled, assembled on the site, in lightweight construction (beams U12)	t	0.61		
34	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	0.61		
35	RpCU07B	Caulking the holes in the walls with cement-lime mortar, after	piece	18.00		

1	2	3	4	5	6	7
		installations or consolidations				
36	CF59D	Coating the surfaces with a layer of plasterboards executing the simple plain metallic carcass, with the height up to 4 m: ceilings with insulation Thermal insulation with mineral wool 80 mm thick	m2	47.18		
37	CE17A	Additional polymeric layer of type, assembled under the tile covering layer (polyethylene film of 2 layers)	m2	94.40		
		<i>Total</i>	\$			
		Total Suspended ceiling Including salary				
		5. Carpentry				
38	RpCO56A	Dismantling of the wooden carpeting (windows)	m2	87.50		
39	CK23B	Plastic windows with 5 chambers glass 4x16x4 with heights up to 35 m inclusively, having an area of the casement between 1,00 and 2,5 m2 inclusively	m2	14.76		
40	CK23C	Plastic windows with 5 chambers glass 4x16x4 with heights up to 35 m inclusively, having an area of the casement of over 2,5 m2	m2	63.54		
41	CK26A	Sills assembled at the windows from plastic, for windows and doors exterior	m	62.70		
42	CK26C	Sills assembled at the windows or doors from plastic interior	m	62.70		
43	RpCO56A	Dismantling of the wooden carpeting (doors, windows, shutter, rolls, cases, masks, etc.) (wooden gates)	m2	13.30		
44	RpCO56A	Dismantling of the wooden carpeting (doors, windows, shutter, rolls, cases, masks, etc.) (wooden doors)	m2	25.00		
45	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 inclusively	m2	17.43		
46	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	m2	5.85		
47	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	m2	4.21		

1	2	3	4	5	6	7
		construction, with height up to 35 m inclusively, within one leaf, with the area of the case between 7 m2 inclusively				
48	CL20A	Ready-made ventilation grilles made of blackboard with manually adjustable blinds, painted and mounted in masonry (grille Ж 1 700x450 mass 22kg board 9)	piece	1.00		
		<i>Total</i>	\$			
		Total Carpentry Including salary				
		6. Flooring				
		6.1. Boiler shop				
49	RpCK42A	Dismantling the cold flooring from concrete or cement mortar	m2	15.00		
50	RpCB18F	Demolishing the old concrete with mechanic means, simple concrete	m3	1.50		
51	CG01A	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed face	m2	15.00		
52	CG01A1 k=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	15.00		
53	IzF01A	Priming the surface for applying diffusion layer, a barrier against vapor, horizontal surfaces, angled or vertical, with bitumen solution (cut bitumen), in two layers	m2	17.30		
54	CG01A	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed face	m2	15.00		
55	CG17D	Flooring from ceramic plates thin 5mm including the support layer from adhesive mortar, executed on areas wider than 16 m2	m2	15.00		
56	CG18A1	Horizontal plinths with maximum height of 15 cm for the walls out of ceramic plates fixed with cement mortar M 100-T, including the cleaning and washing with water, in premises with areas smaller or equal to 16 m2	m	16.00		
		<i>Total</i>	\$			
		Total Boiler shop Including salary				
		6.2. Small hall				
57	CG01A	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed face	m2	81.40		

1	2	3	4	5	6	7
58	CG01A1 k=2	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	15.00		
59	CE17A	Additional polymeric layer of, assembled under the tile covering layer, imprinted or coiled plates (synthetic layer of expanded polyethylene)	m2	94.40		
60	CG01C	Support layer for flooring executed of soft wooden fibers plates (PFL), porous bitumen and antiseptic elements glued to the bitumen, on an existing equalizing layer of cement mortar	m2	81.40		
61	CG05B1	Oak parquet flooring on existing support, including the windowsills, and cleaned and assembled in rooms with areas over 16 m2, in chess type with plates placed straightly or at an angle of 45 degrees, by gluing the parquet with aracet-type glue	m2	81.40		
62	CG06A	Oak linths cleaned and assembled on wooden dowels fixed with brass screws in premises with areas larger than 16 m2, horizontal plinths with maximum height of 15 cm for walls	m	46.30		
63	CG07C	Finishing the parquet and the plinths from wood though: treatment with varnish of the parquet in three layers	m2	81.40		
		<i>Total</i>	\$			
		Total Small hall Including salary				
		6.3. Hall for artists				
64	CG22A k=0,4	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 less than or equal to 16 m2 (flooring of aerated concrete 40mm thick)	m2	47.18		
65	CG01A	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed face	m2	15.00		
66	CG08A	Plastic coatings mounted on existing support, cleaned , including PVC skirting boards in premises with areas larger than 16 m2, with PVC carpet soldered with glue	m2	47.18		
		<i>Total</i>	\$			
		Total Hall for artists Including salary				
		6.4. Technical-sanitary groups				
67	RpCK42B	Dismantling the cold flooring from	m2	26.70		

1	2	3	4	5	6	7
		mosaic, on continuous area or on mosaic-based plates				
68	RpCB18F	Demolishing the old concrete with mechanic means, simple concrete	m3	2.70		
69	TsD04A	Compacting with manual knocker of the embankments in horizontal of inclined digs to 1/4, including watering every layer of land separately, with the thickness of 10 cm of non-cohesive ground	m3	1.34		
70	CG32B	Fillings in layers compacted with the help of manual means, made of broken rocks together with sand	m3	1.34		
71	CG22A	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 less than or equal to 16 m2	m2	26.70		
72	CG01A	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed face	m2	26.70		
73	IzF01A	Priming the surface for applying diffusion layer, , with bitumen solution (cut bitumen), in two layers	m2	29.70		
74	CG01A	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed face	m2	26.70		
75	CG01A1 k=2	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	26.70		
76	CG17D	Flooring from ceramic plates thin 5mm including the support layer from adhesive mortar, executed on areas wider than 16 m2	m2	26.70		
77	CG18A1	Horizontal plinths with maximum height of 15 cm for the walls out of ceramic plates fixed with cement mortar M 100-T, including the cleaning and washing with water, in premises with areas smaller or equal to 16 m2	m	42.50		
		<i>Total</i>	\$			
		Total Technical-sanitary groups Including salary				
		6.5. Porch				
78	RpCK42B	Dismantling the cold flooring from mosaic, on continuous area or on mosaic-based plates	m2	3.72		
79	RpCB18F	Demolishing the old concrete with mechanic means, simple concrete	m3	0.37		

1	2	3	4	5	6	7
80	TsD04A	Compacting with manual knocker of the embankments in horizontal of inclined digs to 1/4, including watering every layer of land separately, with the thickness of 10 cm of non-cohesive ground	m3	0.37		
81	CG32B	Fillings in layers compacted with the help of manual means, made of broken rocks together with sand	m3	0.19		
82	CG22A	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 areas over 16 m2	m2	3.70		
83	CG01A	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed face	m2	3.70		
84	CG17D	Flooring from ceramic plates thin 5mm including the support layer from adhesive mortar, executed on areas wider than 16 m2	m2	3.70		
85	CG18A1	Horizontal plinths with maximum height of 15 cm for the walls out of ceramic plates fixed with cement mortar M 100-T, including the cleaning and washing with water, in premises with areas smaller or equal to 16 m2	m	8.00		
		<i>Total</i>	\$			
		Total Porch Including salary				
		6.6. Corridor and auxiliary rooms				
86	RpCK42B	Dismantling the cold flooring from mosaic, on continuous area or on mosaic-based plates	m2	13.50		
87	RpCB18F	Demolishing the old concrete with mechanic means, simple concrete	m3	1.35		
88	TsD04A	Compacting with manual knocker of the embankments in horizontal of inclined digs to 1/4, including watering every layer of land separately, with the thickness of 10 cm of non-cohesive ground	m3	1.35		
89	CG32B	Fillings in layers compacted with the help of manual means, made of broken rocks together with sand	m3	0.68		
90	CG22A k=0,8	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 (flooring of aerated concrete 80mm thick)	m2	13.50		
91	CG01A	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed face	m2	13.50		

1	2	3	4	5	6	7
92	CG08A	Plastic coatings mounted on existing support, cleaned , including PVC skirting boards in premises with areas larger than 16 m2, with PVC carpet soldered with glue	m2	13.50		
		<i>Total</i>	\$			
		Total Corridor and auxiliary rooms Including salary				
		<i>Total</i>	\$			
		Total Flooring Including salary				
		7. Finishing works 7.1. Consolidation of the boiler shop				
93	RpCJ35A	Clearing the exterior or interior coating from the walls or ceiling	m2	4.20		
94	IzF01C	Priming the surface for applying diffusion layer, with suspension of filtered bitumen modification (subif) in one layer	m2	4.20		
95	IzF03A2	Barrier against vapors executed on horizontal surfaces with bitumen glass fiber mesh of type IA or TSA 2000 or equivalent, glued on the whole surface, bitumen mastic	m2	4.20		
96	RpCG29B	Demolishing the walls from masonry of panel stake, reed plate, or similar	m2	9.00		
97	RpCB18F	Demolishing the old concrete with mechanic means, simple concrete (Demolishing wc oriental bottom)	m3	0.48		
98	RpVA35A	Dismantling ventilation ducts, from black board, galvanized steel or aluminum board, having the perimeter of the rectangular or circular section of 250 - 700 mm	m2	12.94		
		<i>Total</i>	\$			
		Total Consolidation of the boiler shop Including salary				
		7.2. Ceilings				
99	RpCJ13A	Repairing interior coating, smoothed, of 2 cm thick, for ceiling, on ceramic blocks, filling elements of concrete or breaks, executed with cement-lime mortar M 50-T brand for sprit and lime-cement mortar M 25-T brand for the ground and visible layer	m2	20.60		
100	RpIzA03A	Preparing the concrete areas, plastered or non-plastered, or of metal for the purpose of anti-corrosive protection, by cleaning them with wire brush	m2	134.00		
101	CN53A	Coating the internal surfaces of the walls and ceilings	m2	134.00		
102	CN54A	Manual application of the quartz primer "Gleta" or equivalent in one	m2	134.00		

1	2	3	4	5	6	7
		layer, on the internal walls and ceilings (ground of type Artisan)				
103	CF52B k=2	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for the ceiling, manual preparing of the mortar	m2	133.82		
104	CF52B	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for the ceiling, manual preparing of the mortar (over ceiling of PGC)	m2	47.18		
105	CF57A	Manual application of the gypsum-based putty thickness 1,0 mm on the ceiling, walls and columns' areas.	m2	181.00		
106	CN53A	Coating the internal surfaces of the walls and ceilings	m2	134.00		
107	CN06A	Interior painting with paints based on vinyl copolymers in water emulsion, applied in 2 layers on the existing fillings, executed manually.	m2	181.00		
		<i>Total</i>	\$			
		Total Ceilings Including salary				
		7.3. Walls				
108	RpCJ35A	Clearing the exterior or interior coating from the walls or ceiling	m2	97.00		
109	RpCR29A	Removing the oil-based paint, with remover substance	m2	167.20		
110	RpCJ10A	Repairing the interior plastering of 3 cm thickness, executed on braided wire, leveled, on walls, ceilings, and slits with lime-cement brand M 100 - T for HRMS, lime-cement mortar brand T-50 for primer and mortar of lime-cement brand 10 T for the visible layer, applied on walls	m2	30.00		
111	RpCJ03B	Repairing the internal gross coating, on walls of break or concrete masonry of 2.5 cm thick, executed in lime-cement mortar brand 50-T	m2	126.00		
112	CF61A	Continuous levelling of surface (one layer coating) with dry mixture of gypsum: plane window and door jambs.	m2	8.00		
113	CN54A	Manual application of the quartz primer one layer, on the internal walls and ceilings (ground of type Artisan)	m2	363.00		
114	CF50B k=2	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for walls and dividing walls, manual preparation of the mortar.	m2	363.00		
115	CF17C	Miscellaneous - fleece layer of fiberglass applied to the surface of pre-manufactured elements from autoclaved aerated concrete, bonded	m2	363.00		

1	2	3	4	5	6	7
		with glue, including the primer layer				
116	CF52B	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for the ceiling, manual preparing of the mortar (over walls of PGC)	m2	38.00		
117	CF61A	Continuous levelling of surface (one layer coating) with dry mixture of gypsum: plane window and door jambs.	m2	14.70		
118	CF57A	Manual application of the gypsum-based putty "Eurofin" or equivalent thickness 1,0 mm on the ceiling, walls and columns' areas.	m2	455.00		
119	CN53A	Coating the internal surfaces of the walls and ceilings	m2	455.00		
120	CN06A	Interior painting with paints based on vinyl copolymers in water emulsion, applied in 2 layers on the existing fillings, executed manually.	m2	455.00		
121	CI06C	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	114.00		
122	CB16A	Scaffolding for internal finishing works in premises up to 5 m height	m2	97.40		
		<i>Total</i>	\$			
		Total Walls Including salary				
		<i>Total</i>	\$			
		Total Finishing works Including salary				
		8. Different works				
		8.1. Frame and consoles				
123	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete Frame PM1 angle 63x5	kg	42.00		
124	RCsB21A	Mechanical drilling of holes with diameter of 5 cm, in concrete elements, with thickness of up to 20 cm	piece	6.00		
125	RpCU07B	Caulking the holes in the walls with cement-lime mortar, after installations or consolidations	piece	6.00		
126	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete Consoles for pipes angle 50x5	kg	0.11		

1	2	3	4	5	6	7
127	RCsB21A	Mechanical drilling of holes with diameter of 5 cm, in concrete elements, with thickness of up to 20 cm	piece	10.00		
128	RpCU07B	Caulking the holes in the walls with cement-lime mortar, after installations or consolidations	piece	10.00		
129	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	0.61		
		<i>Total</i>	\$			
		Total Frame and consoles Including salary				
		8.2. Pitching				
130	TsC53A	Compacting the soil with gravel	100 m2	0.42		
131	TsC54C	Foundation layer of gravel	m3	8.60		
132	RpCC05B	Formwork planks of resinous wood, for re-pouring diaphragms and straight walls, up to 20 m high	m2	25.20		
133	CA04C	Cast concrete plates, slabs , beams , columns , prepared with the concrete plant and pouring with classical means, reinforced concrete Class C 20/16 (Bc 20/B 250) at heights up to 35 m inclusively	m3	8.60		
134	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	165.00		
		<i>Total</i>	\$			
		Total Pitching Including salary				
		8.3. Landing				
135	TsA03C	Manual excavation of land in confined spaces , having 1.00 m in width , made without support , with sloping embankment foundations , channels , etc. , cohesive or poorly cohesive, consistent land , up to 0.75 m deep hard ground	m3	1.25		
136	RpDD01A	Foundation or re-profiling layer from crushed stone, for roads with manual covering, executed with wedging or renewal	m3	1.25		
137	RpCC05B	Formwork planks of resinous wood, for re-pouring diaphragms and straight walls, up to 20 m high	m2	16.25		
138	CC01A	Reinforced concrete steel shaped in OB 37 construction shops, with bars	kg	16.23		

1	2	3	4	5	6	7
		up to 8 mm diameter inclusively d-8mm AIII				
139	CA04C	Cast concrete plates, slabs , beams , columns , prepared with the concrete plant and pouring with classical means, reinforced concrete Class C 20/16 (Bc 20/B 250) at heights up to 35 m inclusively	m3	2.50		
140	RpCK01B1	Repairing the supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed face, for new works (total refurbishing)	m2	7.00		
141	RpCK10C	Executing the wearing out layer, executed mechanically, with abrasive disks	m2	7.00		
		<i>Total</i>	\$			
		Total Landing Including salary				
		8.4. Repairing the existing landings				
142	RpCK01B1	Repairing the supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed face, for new works (total refurbishing)	m2	45.00		
143	RpCK10C	Executing the wearing out layer, executed mechanically, with abrasive disks	m2	45.00		
144	RpCJ03C	Repairing the internal gross coating, on walls of break or concrete masonry of 2.5 cm thick, executed in lime-cement mortar brand 25-T of 2 cm, on small portions under 0.5 m2/piece, in 2 levelled layers	m2	16.00		
		<i>Total</i>	\$			
		Total Repairing the existing landings Including salary				
		8.5. Drain channels				
145	TsA03C	Manual excavation of land in confined spaces , having 1.00 m in width , made without support , with sloping embankment foundations , channels , etc. , cohesive or poorly cohesive, consistent land , up to 0.75 m deep hard ground	m3	7.00		
146	RpDD01A	Foundation or re-profiling layer from crushed stone, for roads with manual covering, executed with wedging or renewal	m3	1.40		
147	CA04C	Cast concrete plates, slabs , beams , columns , prepared with the concrete plant and pouring with classical means, reinforced concrete Class C 20/16 (Bc 20/B 250) at heights up to 35 m inclusively	m3	1.30		
148	RpCK01A1	Repairing the supporting layer for	m2	14.00		

1	2	3	4	5	6	7
		flooring executed from cement C-5/4 (B-75) class, of 5 cm thick, with adding of 20 kg of cement/m ³ of concrete, with grazed surface for ensuring the sticking, for new works (total refurbishing)				
149	RpCK10C	Executing the wearing out layer, executed mechanically, with abrasive disks	m ²	14.00		
		<i>Total</i>	\$			
		Total Drain channels Including salary				
		8.6. Waste disposal				
150	RpCU09C	Transportation with manual means through direct transportation up to 60 m distance with a loading up to 50 kg (for 1 m transported on the vertical is considered to be 10 on the horizontal).	t	28.50		
151	TsI50B5	Transportation of loads with the trucks at a distance of 15 km	t	28.50		
		<i>Total</i>	\$			
		Total Waste disposal Including salary				
		<i>Total</i>	\$			
		Total Different works Including salary				
		9. Facade heating-insulation				
152	RpCJ35B	Discomposing the special exterior coating in stone dust, mosaic, etc.	m ²	420.00		
153	CN53A	Coating the exterior surfaces of the walls	m ²	420.00		
154	RpCJ12A	Exterior plastering trowel, executed in cement mortar M 100-T of 2 cm average thickness, for walls from concrete or bricks, with plain surfaces	m ²	420.00		
155	IzF54A	External insulation of buildings with fine plaster on thermal insulation (rigid fixation systems of the thermal insulation), smooth wall surface with 25 EPS polystyrene plate of 10 cm thickness, and dips framing rock wool	m ²	420.00		
156	RpCJ06C1	Repairing the exterior coating, around the cases and casing of the doors and windows, of 2 cm thickness, leveled, executed with cement-lime mortar of brand 25 T, with right recesses in between 25 - 35 cm width, (doors, windows)	m	192.00		
157	CF61A	Continue levelling of surface (one layer coating) with dry mixture of gypsum: plane window and door jambs (aluminum profile - 650 m)	m ²	57.60		
158	CN54B	Manual application of the quartz ground "Gleta" or equivalent in one	m ²	420.00		

1	2	3	4	5	6	7
		layer, for the exterior walls of the facade.				
159	CF30A	Exterior coating of 2-3 mm thickness, executed manually, with "TINC" or equivalent mixture on the walls.	m2	420.00		
160	RpCJ12A	Exterior plastering trowel, executed in cement mortar M 100-T of 2 cm average thickness, for walls from concrete or bricks, with plain surfaces Basement	m2	67.00		
161	CI21A	Plating the walls with ceramic-granite plates: size up to 400 x 400 mm. Basement	m2	58.00		
162	CB14A	Tubular metallic scaffold for works on vertical areas for heights up to 30 m inclusively, with immobilization of the scaffold for 25 days (200 hours)	m2	420.00		
163	TsI50A6	Transportation of the ground with the dumper at a distance of 6 km	t	36.56		
164	RpCU09C	Transportation with manual means through direct transportation up to 60 m distance with a loading up to 50 kg (for 1 m transported on the vertical is considered to be 10 on the horizontal).	t	36.50		
		<i>Total</i>	\$			
		Total Facade heating-insulation Including salary				
		10. Cesspool				
165	TsC03F1	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in motor-cars, land cat. II.	100 m3	0.14		
166	TsI50E	Transportation of loads with the trucks at a distance of 5 km	t	23.10		
167	TsD02A1	Spreading the loose land coming from the fields of category I and II, executed with caterpillar tractor-based bulldozer 65-80 CP, in layers with thickness of 15-20 cm	100 m3	0.14		
168	TsC03B1	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading on the field storage of cat. II.	100 m3	0.33		
169	TsA05H1	Manual excavation of land, in confined space, having the width over 1m, executed in inclined banks, without supporters, up to 6m depth, with manual evacuation, in foundations, basements, sewers, drains etc., in soils with natural	m3	1.00		

1	2	3	4	5	6	7
		humidity, depth of digging 4.01-6 m of middle ground				
170	TsF03C	Supporting sides, with beech boxes placed horizontally on excavations carried out in confined spaces, with width over 2.50 m between banks with depth of the digging of 4,01...6 m, inter-spaces between the boxes 0,00...0,20 m	m2	18.50		
171	TsD02C1	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 31-50 cm	100 m3	0.27		
172	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	7.00		
173	TsC53A	Compacting the soil with gravel	100 m2	0.07		
174	RpDD01A	Foundation or re-profiling layer from crushed stone, for roads with manual covering, executed with wedging or renewal	m3	0.60		
175	TsD05B	Compaction with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil	100 m3	0.27		
176	DB02B	Priming the surface of the main layers or of the existing base in order to apply a wear layer of asphalt mixture, made of bitumen suspension filled at the concrete cement, gravel or paving stone layers	m2	6.00		
177	AcE12A	Executing the visiting manholes from the reinforced concrete pre-manufactured elements, for sewerage, circular (ring-type) with diameter of 2.0 m, in the field without underground water	m3	3.90		
178	Supplier price	Pre-manufactured plates for manholes KИД 20	piece	1.00		
179	Supplier price	Pre-manufactured plates for manholes KИ 20-9	piece	4.00		
180	Supplier price	Pre-manufactured plates for manholes KИ7-3	piece	1.00		
181	Supplier price	Pre-manufactured plates for manholes KИИ1-20-2	piece	1.00		
182	Supplier price	Pre-manufactured plates for manholes KИO-1	piece	1.00		
183	AcE07C	Mounting iron covers without the support element, at the manholes of the water and sewerage supply	piece	1.00		

1	2	3	4	5	6	7
		installations, carriageable type III A and B				
184	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete Profile U 12 (fixing the rings)	kg	25.00		
185	RpCK13A	Repairing the industrial flooring from used concrete, of 5 cm thickness, applied wet on wet, on a cement blanket (including blanket of 3 cm of cement mortar M-100), used concrete executed with basalt chipping of 3-16 mm, with adding of 0.2% calcium lignin sulphonates	m2	3.10		
186	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	22.00		
187	RpCJ27D	Diverse works - adding dyes, waterproof materials in the mortar (calcium nitrogen acids)	kg	52.00		
188	RpCJ15E	Finishing the levelled areas of concrete using the	m2	25.10		
189	IzF04A k=2	Waterproof layer made in hot conditions for the terraces, roofs or foundations and slabs, in fields without groundwater, including moldings and valleys from the current waterproofing protection on horizontal or inclined surfaces up to 40%, flat or curved , with bitumen mastic applied with the brush or rubber filling plates (wall plates)	m2	32.00		
190	TsC53A	Compacting the soil with gravel	100 m2	0.11		
191	DB02B	Priming the surface of the main layers or of the existing base in order to apply a wear layer of asphalt mixture, made of bitumen suspension filled at the concrete cement, gravel or paving stone layers	m2	11.30		
192	DB18B	Asphalt mixture covering, executed in hot conditions, in thickness of 3.0 cm with manual laying	m2	11.30		
		<i>Total</i>	\$			
		Total Cesspool Including salary				
		11. Cesspool HKK-1				
193	TsC03F1	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural	100 m3	0.09		

1	2	3	4	5	6	7
		humidity, and unloading in motor-cars, land cat. II.				
194	TsI50E	Transportation of loads with the trucks at a distance of 5 km	t	14.85		
195	TsD02A1	Spreading the loose land coming from the fields of category I and II, executed with caterpillar tractor-based bulldozer 65-80 CP, in layers with thickness of 15-20 cm	100 m3	0.09		
196	TsC03B1	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading on the field storage of cat. II.	100 m3	0.21		
197	TsA05H1	Manual excavation of land, in confined space, having the width over 1m, executed in inclined banks, without supporters, up to 6m depth, with manual evacuation, in foundations, basements, sewers, drains etc., in soils with natural humidity, depth of digging 4.01-6 m of middle ground	m3	1.00		
198	TsF03C	Supporting sides, with beech boxes placed horizontally on excavations carried out in confined spaces, with width over 2.50 m between banks with depth of the digging of 4,01...6 m, inter-spaces between the boxes 0,00...0,20 m	m2	12.45		
199	TsD02C1	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 31-50 cm	100 m3	0.18		
200	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	4.00		
201	TsD05B	Compaction with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil	100 m3	0.18		
202	TsC53A	Compacting the soil with gravel	100 m2	0.04		
203	RpDD01A	Foundation or re-profiling layer from crushed stone, for roads with manual covering, executed with wedging or renewal	m3	0.40		
204	DB02B	Priming the surface of the main layers or of the existing base in order to apply a wear layer of asphalt	m2	4.00		

1	2	3	4	5	6	7
		mixture, made of bitumen suspension filled at the concrete cement, gravel or paving stone layers				
205	AcE11A	Executing the manholes from the reinforced concrete pre-manufactured elements, for sewerage, circular (ring-type) with diameter of 1,5 m, in the field without underground water	m3	1.81		
206	Supplier price	Pre-manufactured plates for manholes KИД 15	piece	1.00		
207	Supplier price	Pre-manufactured plates for manholes KИ 15-9	piece	2.00		
208	Supplier price	Pre-manufactured plates for manholes KИИ1-15-2	piece	1.00		
209	Supplier price	Pre-manufactured plates for manholes KИ7-3	piece	2.00		
210	Supplier price	Pre-manufactured plates for manholes KИO-1	piece	1.00		
211	AcE07C	Mounting iron covers without the support element, at the manholes of the water and sewerage supply installations, carriageable type III A and B	piece	1.00		
212	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete Profile U 12 (fixing the rings)	kg	8.00		
213	RpCK13A	Repairing the industrial flooring from used concrete, of 5 cm thickness, applied wet on wet, on a cement blanket (including blanket of 3 cm of cement mortar M-100), used concrete executed with basalt chipping of 3-16 mm, with adding of 0.2% calcium lignin sulphonates	m2	2.00		
214	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	17.00		
215	RpCJ27D	Diverse works - adding dyes, waterproof materials in the mortar (calcium nitrogen acids)	kg	52.00		
216	RpCJ15E	Finishing the levelled areas of concrete using the	m2	19.00		
217	IzF04A k=2	Waterproof layer made in hot conditions for the terraces, roofs or foundations and slabs, in fields without groundwater, including moldings and valleys from the current waterproofing protection on horizontal or inclined surfaces up to 40%, flat or curved , with bitumen mastic applied with the brush or	m2	22.00		

1	2	3	4	5	6	7
		rubber filling plates (wall plates)				
218	TsC53A	Compacting the soil with gravel	100 m2	0.06		
219	DB02B	Priming the surface of the main layers or of the existing base in order to apply a wear layer of asphalt mixture, made of bitumen suspension filled at the concrete cement, gravel or paving stone layers	m2	6.00		
220	DB18B	Asphalt mixture covering, executed in hot conditions, in thickness of 3.0 cm with manual laying	m2	6.00		
		<i>Total</i>	\$			
		Total Cesspool HKK-1 Including salary				
		12. Fencing the gas case				
221	TsA03C	Manual excavation of land in confined spaces , having 1.00 m in width , made without support , with sloping embankment foundations , channels , etc. , cohesive or poorly cohesive, consistent land , up to 0.75 m deep hard ground	m3	1.00		
222	CA03B3	Cast concrete slabs, beams, columns, walls under zero quota, prepared manually, and poured with classical means of simple concrete Class C 10/8 (Bc 10/B 150)	m3	1.05		
223	CL08A	Ready-made metallic elements (columns, beams , trusses), supplied fully assembled, installed on the site, in lightweight construction (pillars, beams of planking)	t	0.82		
224	CE07A	Covering from imprinted board plates (roof tile) for covering the roofs (Lindab type) or equivalent	m2	7.00		
225	CO06A4	Fencing from wire mesh with fence round steel panels fixed to the pre-manufactured reinforced concrete pillars mounted with a spacing of 2 m, spacing made by tamping with stone, with the ridge height of 1.05 m, for using simple concrete to plant the metallic pillars	m	12.00		
226	CK14A	Metal gates with profiles of ready-made round steel, including necessary accessories, mounted on the poles of reinforced concrete	m2	1.50		
227	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	0.89		

1	2	3	4	5	6	7
228	IzD04A	Painting the metal garments and constructions with a layer of oil-based paint in 2 layers, executed on profiles with thickness between 8 mm and 12 mm inclusively, with mine brush	t	0.89		
		<i>Total</i>	\$			
		Total Fencing the gas case Including salary				

		Total	\$		
		Social and health insurance	27.5 %		
		Transportation costs	%		
		Supply - storage costs	%		
		Total			
		Overhead costs	%		
		Total			
		Estimate benefit	%		
		Total estimates: Including salary			

Compiled

_____ (position, signature, name, surname)

Verified

_____ (position, signature, name, surname)

**Boiler shop and heating system
of the Culture Hall in
Carmanova village, Grigoriopol
rayon**

Form No. 7
WinCmeta

(name of the site)

**LOCAL ESTIMATES No 2-1-2
2-1-2 TM (Thermo-mechanic equipment)**

Compiled based on current prices as of 03.10.2017

No.	Symbol of the standard 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
		1. Sanitary works				
1	ID06A	Airing tap with mobile key for central heating installations, having the nominal diameter 1/4" (automated airing device d=15mm)	piece	2.00		
2	ID04A	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 1/2" -1" (valve with plug)	piece	1.00		
3	ID04A	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 1/2" -1" (valve with floating launcher)	piece	1.00		
4	Supplier price	Anti-vibration inclusions with flanges d=40mm PN 16 of type Danfoss or equivalent	piece	2.00		
5	ID04B	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 1 1/4" - 1 1/2" (ball-type butterfly valve d=40mm)	piece	10.00		
6	ID04A	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 1/2" -1" (ball-type butterfly tap d=25mm)	piece	6.00		
7	ID12A	Tap with flanges for gas installations, with the diameter of 50 mm	piece	6.00		
8	ID12B	Tap with flanges for gas installations, with the diameter of 65 mm	piece	3.00		
9	IA23A	Liquid fuel filter d=65mm	piece	1.00		
10	IA23A	Liquid fuel filter d=40mm	piece	2.00		
11	ID13A	Blocking clack with valves, installed on the gas pipes, having the nominal diameter 1/2"	piece	1.00		
12	ID13C	Blocking clack with valves, installed on the gas pipes, having the nominal diameter 1 1/4" -1 1/2" d=40mm	piece	2.00		
13	ID13C	Blocking clack with valves, installed	piece	2.00		

1	2	3	4	5	6	7
		on the gas pipes, having the nominal diameter 1 1/4" -1 1/2" d=50mm with flanges				
14	IC12C	Longitudinally welded lack steel pipe, for installations, assembled by welding in distribution pipes, in central heating installations for dwelling and social-cultural buildings, the pipe having the external diameter and thickness of the wall of 76 x 3,0 mm	m	6.00		
15	IC12A	Longitudinally welded lack steel pipe, for installations, assembled by welding in distribution pipes, in central heating installations for dwelling and social-cultural buildings, the pipe having the external diameter and thickness of the wall of 57 x 3,5 mm	m	1.00		
16	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	m	2.00		
17	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 32x2	m	6.00		
18	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	6.00		
19	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	8.00		
20	IE03C	Performing the leakage test under pressure for the conducts supplying the heating appliances (heaters, thermo-convectors, baseboard convectors, etc.) having a diameter of 54 x 3.5 ... 83 x 3.5 mm	m	7.00		
21	IE04A	Performing the dilatation - contracting test and the operation test for the conducts supplying the heating appliances (heaters, thermo-convectors, baseboard convectors, etc.) having a diameter of 3/8 " ... 1"	m	6.00		
22	IE04B	Performing the dilatation -	m	8.00		

1	2	3	4	5	6	7
		contracting test and the operation test for the conducts supplying the heating appliances (heaters, thermo-convectors, baseboard convectors, etc.) having a diameter of 1 1/4 " ... 2"				
23	IE04C	Performing the dilatation - contracting test and the operation test for the conducts supplying the heating appliances (heaters, thermo-convectors, baseboard convectors, etc.) having a diameter of 54 x 3.5 ... 83 x 3.5 mm	m	7.00		
24	IC42B	Supporters and devices to support the tubes, boilers, appliances and recipients, with the weight between 2,1 - 10 kg / piece	kg	60.00		
25	IzA08A	Paintings on pipes, executed manually with oil-based paint on pipes with the exterior diameter up to 34 mm inclusively	m	6.00		
26	IzA08B	Paintings on pipes, executed manually with oil-based paint on pipes with the exterior diameter over 34 mm	m2	9.00		
27	IzH03B	Insulating the pipes with mattresses from glass wool, on corrugated cardboard, made on the site, having a thickness of 20; 30; 40 or 50 mm, for the pipes with insulation circumference over 35 cm	m2	27.00		
28	IzI05B	Thermal-insulation protection for pipes, executed with bitumen glass fibers type I A, weaved with soft galvanized wire with diameter 1.25 mm	m2	27.00		
29	IC23L	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in columns, in gas installations for production buildings (industrial constructions), the pipe having the external diameter and thickness of the wall of 245 x 9 mm, the smoke basket with external thermal insulation	m	7.50		
30	RpCU05E1	Executing the perforation for the pipes or ties in the walls of simple concrete 16 -25 cm thickness, for executing the mechanized perforation	piece	1.00		
31	IC43E	Manufacturing and mounting the protection pipe when the pipes go through the flooring, the pipe having the diameter d=500mm	piece	1.00		
32	RpCU07C	Caulking the holes in the plates with cement-lime mortar, after installations	piece	1.00		
33	IC30I	Soft cast iron fittings, with 2 screw-threads, assembled by bolting with	piece	4.00		

1	2	3	4	5	6	7
		the steel pipe, having the diameter 3" (electro-welded bend d 76x3mm)				
34	IC30G	Soft cast iron fittings, with 2 screw- threads, assembled by bolting with the steel pipe, having the diameter 2" (electro-welded bend d 57x3mm)	piece	2.00		
35	IC30F	Soft cast iron fittings, with 2 screw- threads, assembled by bolting with the steel pipe, having the diameter 1 1/2" (electro-welded bend d 45x2.5mm)	piece	4.00		
36	IC30E	Soft cast iron fittings, with 2 screw- threads, assembled by bolting with the steel pipe, having the diameter 1 1/4" (electro-welded bend d 32x2mm)	piece	4.00		
37	IC30I	Soft cast iron fittings, with 2 screw- threads, assembled by bolting with the steel pipe, having the diameter 3" (electro-welded passing 89x76)	piece	2.00		
38	IC30H	Soft cast iron fittings, with 2 screw- threads, assembled by bolting with the steel pipe, having the diameter 2 1/2" (electro-welded passing 76x57)	piece	2.00		
39	IC30G	Soft cast iron fittings, with 2 screw- threads, assembled by bolting with the steel pipe, having the diameter 2" (electro-welded passing d 57x45mm)	piece	1.00		
40	IC30F	Soft cast iron fittings, with 2 screw- threads, assembled by bolting with the steel pipe, having the diameter 1 1/2" Holland-type	piece	2.00		
41	IC30D	Soft cast iron fittings, with 2 screw- threads, assembled by bolting with the steel pipe, having the diameter 1" Holland-type	piece	3.00		
42	RpIC25B	Assembling round, flat or oval flanges on ducts of black pipes, for installations, having the nominal pressure of 16 at and the diameter d=40mm	piece	4.00		
43	RpIC25B	Assembling round, flat or oval flanges on ducts of black pipes, for installations, having the nominal pressure of 16 at and the diameter d=50mm	piece	12.00		
44	RpIC25C	Assembling round, flat or oval flanges on ducts of black pipes, for installations, having the nominal pressure of 16 at and the diameter d=65mm	piece	8.00		
		<i>Total</i>	\$			
		<i>Health insurance</i>	27.5 %			
		<i>Transportation of materials</i>	%			
		<i>Storage costs</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				

1	2	3	4	5	6	7
		<i>Estimate benefit</i>	%			
		Total Sanitary works Including salary				
		2. Mounting works				
45	IA12B	Wall-type boiler for preparing the heating agent (hot water 90/70 degrees) , with the caloric power of 90 kw, installed directly on the wall	piece	2.00		
46	IA38A	Circulation (re-circulation) pump mounted on the existing pipe, through flanges, with the diameter up to 2" (50 mm), inclusively	piece	3.00		
47	IC48L	Dilatation compensator of "U" type, of longitudinally welded steel pipe or no-welded steel pipe for constructions, having the external diameter and thickness of the wall of 219 x 9 mm	piece	1.00		
48	IA28A	Expansion tank mounted on a base, with the capacity of 100 l	piece	1.00		
49	IA17A	Vertical heater mounted on the floor, the heater having the capacity up to 300 l, inclusively accumulation vessel)	piece	1.00		
50	IA39A	Installation for softening the water, completely equipped, with the water flow 900 - 2250 l/h	piece	1.00		
51	IA23A	Liquid fuel filter 90 (of type Atlas RD PN 8 or equivalent)	piece	1.00		
52	IC46A	Distributor - collector for heating plants and points, mounted on ready-made supporter 65-100 mm (outlined collector for boilers TM-8), assembled	piece	2.00		
53	IC46A	Distributor - collector for heating plants and points, mounted on ready-made supporter 65-100 mm (outlined collector for boilers TM-8), assembled	piece	2.00		
54	GD09D1	Aerators with caps, assembled alongside the pipes with Dn 14"-16" the assembling place (anti-explosive valve for the smoke basket)	piece	1.00		
55	IA18I	Refined fittings for the central heating boilers: the casing for thermometer	piece	6.00		
56	11-02-001-01	Device installed on threaded joints, weight, kg, up to: 1.5 (installation of manometers) thermometers	piece	6.00		
57	IA18J	Refined fittings for the central heating boilers: sleeve with control taps for fittings	piece	13.00		
58	11-02-001-01	Device installed on threaded joints, weight, kg, up to: 1.5 (installation of manometers)	piece	13.00		
59	IA18J	Refined fittings for the central heating boilers: sleeve with control	piece	2.00		

1	2	3	4	5	6	7
		taps for fittings				
60	11-02-001-01	Device installed on threaded joints, weight, kg, up to: 1.5 (installation of manometers) temperature/pressure sensor	piece	2.00		
61	ID03A	Plug valve tap for central heating installations, having a nominal diameter of 15 mm, purging tap for manometers	piece	13.00		
62	ID13B	Blocking clack with valves, installed on the gas pipes, having the nominal diameter 1" (electromagnetic valve d=1")	piece	1.00		
		<i>Total</i>	\$			
		<i>Health insurance</i>	27.5 %			
		<i>Transportation of materials</i>	%			
		<i>Storage costs</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimate benefit</i>	%			
		Total Mounting works Including salary				
		3. Equipment				
63	market price	Boiler of type Term Trio 90 or equivalent	piece	2.00		
64	market price	Pump of type Aqua-S Wilo Top S 40/10 or equivalent	piece	2.00		
65	market price	Pump of type Wilo Multicardo HMC 304 EM or equivalent	piece	1.00		
66	market price	Installation for water softening of type WaterBoss 700 or equivalent	piece	1.00		
67	market price	Water filter with flask of type Atlas RD1 PN 8 (completely equipped) or equivalent	piece	1.00		
68	market price	Outlined collector for boiler d=76mm (confection according to TM 8) or equivalent	piece	2.00		
69	market price	Outlined collector for heating d=89mm (confection according to TM 8)	piece	2.00		
70	market price	Individually manufactured gas clack valve with plate TM 10	piece	1.00		
71	market price	Manometer ДМ05МП-3y	piece	13.00		
72	market price	Bimetallic thermometer ТБ 63-0,,120 d=63mm	piece	6.00		
73	market price	Accumulation vessel of 300l of type SQN2 300 or equivalent	piece	1.00		
74	market price	expansion vessel 100l of type ERE 100 or equivalent	piece	1.00		
75	market price	Filter with flanges DN 65 PN 25	piece	2.00		
76	market price	Filter of type Y 222P R 1 1/2PN 25	piece	2.00		
77	market price	Electromagnetic clack valve R1" PN 10	piece	1.00		

1	2	3	4	5	6	7
78	market price	Smoke discharge basket d=280mm h=3m	m	3.00		
		<i>Total</i>	\$			
		<i>Procurement costs</i>	%			
		Total Equipment Including salary				

		Total	\$			
		Total estimates: Including salary				

Compiled

_____ (position, signature, name, surname)

Verified

_____ (position, signature, name, surname)

**Boiler shop and heating system
of the Culture Hall in
Carmanova village, Grigoriopol
rayon**

Form No. 7
WinCmeta

(name of the site)

**LOCAL ESTIMATES No 2-1-3
2-1-3 V (Ventilation of the boiler shop)**

Compiled based on current prices as of 03.10.2017

No.	Symbol of the standard 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
		1. Mounting works				
1	VB28A	Circular type deflector with perimeter 900 - 1600 mm	piece	1.00		
2	VA01A	Manufacturing and assembling the right ventilation channels, of black board 0,3 - 2 mm thickness, having the perimeter of the rectangular section of 250 - 700 mm	m2	7.54		
3	VA15B	Special piece (branching) of black board of 0.5 - 2 mm thick, with the perimeter of the circular section of 400 - 700 mm	m2	1.25		
4	IC43E	Manufacturing and mounting the protection pipe when the pipes go through flooring, the pipe having the diameter 324 x 8 mm ... 356 x 9 mm d 400mm	piece	1.00		
5	RpCU07C	Caulking the holes in the plates with cement-lime mortar, after installations	piece	1.00		
6	CL20A	Ready-made ventilation grilles made of blackboard with manually adjustable blinds, painted and mounted in masonry (RAG 300*300)	piece	4.00		
7	IzH03B	Insulating the pipes with mattresses from glass wool, on corrugated cardboard, made on the site, having a thickness of 20; 30; 40 or 50 mm, for the pipes with insulation circumference over 35 cm	m2	13.80		
8	IzI07D1	Protection of the thermal insulation on the pipes and appliances with black or galvanized board of 0.5 mm thickness, fixed with semi-round slotted screws, self-tapping for the board, having pipe circumference over thermal insulation over 1.6 m,	m2	13.80		

1	2	3	4	5	6	7
		production				
		<i>Total</i>	\$			
		<i>Health insurance</i>	27.5 %			
		<i>Transportation of materials</i>	%			
		<i>Storage costs</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimate benefit</i>	%			
		Total Mounting works Including salary				

		Total	\$			
		Total estimates: Including salary				

Compiled

_____ (position, signature, name, surname)

Verified

_____ (position, signature, name, surname)

**Boiler shop and heating system
of the Culture Hall in
Carmanova village, Grigoriopol
rayon**

Form No. 7
WinCmeta

(name of the site)

**LOCAL ESTIMATES No 2-1-4
2-1-4 IV (Heating and ventilation)**

Compiled based on current prices as of 06.05.2016

No.	Symbol of the standard 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
		1. Mounting the equipment				
		1.1. Heating				
1	VC19A	Mounting the standardized, radial, silent, medium-pressure mono-aspiring ventilators with transmission belts, having the flow of 650-20.000 m ³ /h with electrical engine of 0,37 - 16 kw	piece	10.00		
		Total Heating Including salary				
		1.2. Ventilation				
2	VC07B	Mounting axial fans, type VF 315 - VF 900, with the weight of 11 - 20.3 kg, with engine of 0.75 to 3 kW (of type Vents BKM 150 N=0,119 kVt 1-230 W) or equivalent	piece	1.00		
3	VB17A	Circular type noise-dumper AZC with perimeter 800 - 1600 mm (noise dumping device BBF 150) or equivalent	piece	2.00		
4	VB02B2	Control flap, spangle, installed on rectangular ditches with the perimeter 1600 - 3200 mm, manufactured in centralized workshops (of type Vents kg 150)	piece	1.00		
5	VC24A	Elastic supporter for ventilator, with rubber elastic supporters	piece	2.00		
		<i>Total</i>		\$		
		Total Ventilation Including salary				
		<i>Total</i>		\$		
		<i>Social and health insurance</i>		27.5 %		
		<i>Transportation of materials</i>		%		
		<i>Storage costs</i>		%		
		<i>Direct cost</i>				
		<i>Overhead costs</i>		%		
		<i>Total</i>				
		<i>Estimate benefit</i>		%		

1	2	3	4	5	6	7
		Total Mounting the equipment Including salary				
		2. Sanitary technical works				
		2.1. Heating				
6	IB06A	Steel radiators, mono-blocks with the length up to 1000 mm inclusively (type 22 500 x 700)	piece	1.00		
7	IB06A	Steel radiators, mono-blocks with the length up to 1000 mm inclusively (type 22 500 x 800)	piece	1.00		
8	IB06A	Steel radiators, mono-blocks with the length up to 1000 mm inclusively (type 22 500 x 1000)	piece	2.00		
9	IB06B	Steel radiators, mono-blocks with the length of 1001 - 1500 mm (type 22 500 x 1100)	piece	1.00		
10	IB06B	Steel radiators, mono-blocks with the length of 1001 - 1500 mm (type 22 500 x 1200)	piece	3.00		
11	IB06B	Steel radiators, mono-blocks with the length of 1001 - 1500 mm (type 22 500 x 1400)	piece	6.00		
12	IB06B	Steel radiators, mono-blocks with the length of 1001 - 1500 mm (type 33 500 x 1100)	piece	2.00		
13	IB06B	Steel radiators, mono-blocks with the length of 1001 - 1500 mm (type 33 500 x 1200)	piece	1.00		
14	IB06B	Steel radiators, mono-blocks with the length of 1001 - 1500 mm (type 33 500 x 1400)	piece	15.00		
15	IB06C	Steel radiators, mono-blocks with the length of 1501 - 2000 mm (type 33 500x1600)	piece	3.00		
16	IB06C	Steel radiators, mono-blocks with the length of 1501 - 2000 mm (type 33 500x1800)	piece	2.00		
17	IB06D	Steel radiators, mono-blocks with the length over 2000 mm (type 33 300x2300)	piece	13.00		
18	ID01B	Tap with valve with double control (supply or return) for central heating installations, having the nominal diameter 3/4" -1" (swing d=20 mm type R 206 "Giacomini") or equivalent	piece	50.00		
19	ID01B	Tap with valve with double control (supply or return) for central heating installations, having the nominal diameter 3/4" -1" (cut-off valve d=20 mm type R 215 S "Giacomini") or equivalent	piece	50.00		
20	ID06A	Airing tap with mobile key for central heating installations, having the nominal diameter 1/4"	piece	30.00		
21	RpIC42E	Assembling the pipe adapters for central heating installations, drainage	piece	100.00		

1	2	3	4	5	6	7
		adapter of type (R608 D) or equivalent				
22	ID06A	Airing tap with mobile key for central heating installations	piece	50.00		
23	ID04A	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 1/2" -1" (ball-type butterfly tap d=20mm)	piece	20.00		
24	IC30C	Soft cast iron fittings, with 2 screw-threads, assembled by bolting with the steel pipe, having the diameter 3/4"	piece	20.00		
25	IC30B	Soft cast iron fittings, with 2 screw-threads, assembled by bolting with the steel pipe, having the diameter 1/2" passing 1/2x3/4	piece	20.00		
26	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 20x1/2	piece	90.00		
27	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 25x1/2	piece	30.00		
28	IC36A	High density reinforced polyethylene mounted in columns at the central heating installations, with the external diameter of 20.0 mm inclusively	m	124.00		
29	IC36B	High density reinforced polyethylene mounted in columns at the central heating installations, with the external diameter of 25.0 mm	m	224.00		
30	IC36C	High density reinforced polyethylene mounted in columns at the central heating installations, with the external diameter of 32.0 mm	m	176.00		
31	IC36D	High density reinforced polyethylene mounted in columns at the central heating installations, with the external diameter of 40.0 mm	m	188.00		
32	IC36E	High density reinforced polyethylene mounted in columns at the central heating installations, with the external diameter of 50.0 mm	m	40.00		
33	IC36F	High density reinforced polyethylene mounted in columns at the central heating installations, with the external diameter of 63.0 mm	m	80.00		
34	IC38A	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,	piece	175.00		

1	2	3	4	5	6	7
		inclusively (sleeve, bend)				
35	IC38B	The fitting piece, with 2 joins, from combined polypropylene through poly-fusion with the pipe from reinforced polypropylene having the exterior diameter of 25,0 mm (sleeve, bend)	piece	98.00		
36	IC38C	The fitting piece, with 2 joins, from combined polypropylene through poly-fusion with the pipe from reinforced polypropylene having the exterior diameter of 32,0 mm (sleeve, bend)	piece	62.00		
37	IC38D	The fitting piece, with 2 joins, from combined polypropylene through poly-fusion with the pipe from reinforced polypropylene having the exterior diameter of 40,0 mm adapter bend sleeve	piece	111.00		
38	IC38E	The fitting piece, with 2 joins, from combined polypropylene through poly-fusion with the pipe from reinforced polypropylene having the exterior diameter of 50,0 mm adapter bend sleeve	piece	46.00		
39	IC38F	The fitting piece, with 2 joins, from combined polypropylene through poly-fusion with the pipe from reinforced polypropylene having the exterior diameter of 63,0 mm adapter bend sleeve	piece	40.00		
40	IC38H	The fitting piece, with 3 joins, from combined polypropylene through poly-fusion with the pipe from reinforced polypropylene having the exterior diameter of 25,0 mm	piece	42.00		
41	IC38I	The fitting piece, with 3 joins, from combined polypropylene through poly-fusion with the pipe from reinforced polypropylene having the exterior diameter of 32,0 mm	piece	38.00		
42	IC38J	The fitting piece, with 3 joins, from combined polypropylene through poly-fusion with the pipe from reinforced polypropylene having the exterior diameter of 40,0 mm	piece	26.00		
43	IC38K	The fitting piece, with 3 joins, from combined polypropylene through poly-fusion with the pipe from reinforced polypropylene having the exterior diameter of 50,0 mm	piece	6.00		
44	IC38L	The fitting piece, with 3 joins, from combined polypropylene through poly-fusion with the pipe from reinforced polypropylene having the exterior diameter of 63,0 mm	piece	2.00		
45	IC40A	Bracket for fixing the steel pipes for central heating or gas installation,	piece	348.00		

1	2	3	4	5	6	7
		assembled on gimlets of 1" inclusively, on PVC gimlets on brick walls				
46	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	176.00		
47	IC40C	Bracket for fixing the steel pipes for central heating or gas installation, assembled on gimlets of 2 1/2" - 4", PVC gimlets on brick walls	piece	188.00		
48	IC40E	Bracket for fixing the steel pipes for central heating or gas installation, assembled on gimlets of 1 1/4" - 2", on expanded dowels, in concrete masonry	piece	40.00		
49	IC40F	Bracket for fixing the steel pipes for central heating or gas installation, assembled on gimlets of 2 1/2" - 4", on expanded dowels, in concrete masonry	piece	80.00		
50	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	2.00		
51	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	4.00		
52	IzA08A	Paintings on pipes, executed manually with oil-based paint on pipes with the exterior diameter up to 34 mm inclusively	m	6.00		
53	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	6.00		
54	IE04B	Performing the dilatation - contracting test and the operation test for the conducts supplying the heating appliances (heaters, thermo-convectors, baseboard convectors, etc.) having a diameter of 1 1/4 " ... 2"	m	6.00		
55	IC42A	Supporters and devices to support the tubes, boilers, appliances and recipients, with the weight up to 2 kg / piece	kg	40.00		

1	2	3	4	5	6	7
56	ID04B	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 1 1/4" - 1 1/2" (ball-type butterfly valve d=40mm)	piece	2.00		
57	ID04B	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 1 1/4" - 1 1/2" (ball-type butterfly valve d=32mm)	piece	2.00		
58	ID06A	Airing tap with mobile key for central heating installations, automated aerator	piece	8.00		
59	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	10.10		
60	IC12A	Longitudinally welded or without welding black steel pipe, for installations, assembled by welding in distribution pipes, in central heating installations for dwelling and social-cultural buildings, the pipe having the external diameter and thickness of the wall of 51 x 3,5 mm 57 x 3.5 mm	m	3.20		
61	IC12C	Longitudinally welded or without welding black steel pipe, for installations, assembled by welding in distribution pipes, in central heating installations for dwelling and social-cultural buildings, the pipe having the external diameter and thickness of the wall of 70 x 3,5 mm 76 x 3.5 mm	m	4.00		
62	IC12D	Longitudinally welded or without welding black steel pipe, for installations, assembled by welding in distribution pipes, in central heating installations for dwelling and social-cultural buildings, the pipe having the external diameter and thickness of the wall of 83 x 3,5 mm 89 x 3.5 mm	m	1.60		
63	RpIF09D1	Insulating the tubes with heating-insulating sleeves, longitudinally cut, with the diameter and thickness from D=15x20 to D=54x20 mm 42...64mm	m	170.00		
64	RpCU05H1	Executing the perforation for the pipes or ties in the walls of simple concrete 26 -50 cm thickness, for mechanized perforation	piece	36.00		
65	RpCU05E1	Executing the perforation for the	piece	18.00		

1	2	3	4	5	6	7
		pipes or ties in the walls of simple concrete 16 -25 cm thickness, for executing the mechanized perforation				
66	RpCU06B	Executing the ditches up to 5 cm deep, in walls from simple concrete of 5 x 50 cm2	m	50.00		
67	RpCU07A	Caulking the holes in the walls with cement-lime mortar, after installations or consolidations	piece	54.00		
68	RpCU07D	Making the grooves in walls up to 50 cm2 after installation or consolidations	m	50.00		
		<i>Total</i>	\$			
		Total Heating Including salary				
		2.2. Ventilation				
69	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		
70	CL20A	Ready-made ventilation grilles made of blackboard with manually adjustable blinds, painted and mounted in masonry (RAG 150*150)	piece	8.00		
71	IzH03B	Insulating the pipes with mattresses from glass wool, on corrugated cardboard, made on the site, having a thickness of 20; 30; 40 or 50 mm, for the pipes with insulation circumference over 35 cm	m2	8.80		
72	IzI07D1	Protection of the thermal insulation on the pipes and appliances with black or galvanized board of 0.5 mm thickness, fixed with semi-round slotted screws, self-tapping for the board, having pipe circumference over thermal insulation over 1.6 m, production	m2	8.80		
73	IzA08A	Paintings on pipes, executed manually with oil-based paint on pipes with the exterior diameter up to 34 mm inclusively	m	8.00		
		<i>Total</i>	\$			
		Total Ventilation Including salary				
		2.3. Electricity				
74	08-03-526-1	Three-poles automation, assembled in the case, electricity up to 25 A (BPY)	piece	1.00		
75	Supplier price	Automaton (BA 47-29 1P 25A C)	piece	1.00		
76	Supplier price	Plastic cable - ditch 40x25 mm	m.l.	50.00		

1	2	3	4	5	6	7
77	08-02-409-1	PVC pipe on installed constructions, on walls and columns, fixing with clamps, diameter up to 25 mm	100 m	0.60		
78	Supplier price	PVC pipe d=25mm	m	60.00		
79	Supplier price	Ramification box	piece	10.00		
80	08-02-412-2	Introducing conductors in metal pipes and hoses: the first conductor is mono-strand or multi-strands in joint braiding, summary section up to 6 mm ²	100 m	1.10		
81	Supplier price	Cable BBГНГ-LS 3x4,0mm ²	m	110.00		
82	08-02-412-2	Introducing conductors in metal pipes and hoses: the first conductor is mono-strand or multi-strands in joint braiding, summary section up to 6 mm ²	100 m	30.00		
83	Supplier price	Cable BBГНГ-LS 3x1.5mm ²	m	30.00		
84	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5	piece	1.00		
85	08-03-529-3	Alternative power closing switch on constructions, electricity up to 160 A	piece	1.00		
86	08-03-573-5	Suspended command box (switchboard), height, width, and depth, mm, up to	piece	1.00		
87	Supplier price	Distribution case ШПН-43-1 36 УХЛ3 IP31,	piece	1.00		
		<i>Total</i>	\$			
		Total Electricity Including salary				
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27.5 %			
		<i>Transportation of materials</i>	%			
		<i>Storage costs</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimate benefit</i>	%			
		Total Sanitary technical works Including salary				
		3. Equipment				
		3.1. Heating				
88		Conversion ventilator of type KFC MV 060 Klima 2000 or equivalent	piece	10.00		
		<i>Total</i>	\$			
		Total Heating Including salary				
		3.2. Ventilation				
89		Ventilator of type Vents BKM 150 L 425m ³ or equivalent	piece	1.00		
90		Noise damper of type BBГ 150	piece	1.00		
91		Gravitational damper KG 150 or	piece	1.00		

1	2	3	4	5	6	7
		equivalent				
		<i>Total</i>	\$			
		Total Ventilation Including salary				
		<i>Total</i>	\$			
		<i>Storage costs</i>	%			
		Total Equipment Including salary				
		Total	\$			
		Total estimates: Including salary				

Compiled

_____ (position, signature, name, surname)

Verified

_____ (position, signature, name, surname)

**Boiler shop and heating system
of the Culture Hall in
Carmanova village, Grigoriopol
rayon**

Form No. 7
WinCmeta

(name of the site)

**LOCAL ESTIMATES No 2-1-5
2-1-5 AC (water supply and sewerage for the boiler shop)**

Compiled based on current prices as of 12.10.2017

No.	Symbol of the standard 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
		1. Sanitary works				
		1.1. Anti-fire system				
1	SD17A	Internal hydrant, for buildings, with diameter 2", mounted in corbels (with frame)	piece	2.00		
2	Supplier price	Completely equipped anti-fire case	piece	1.00		
3	Supplier price	Extinguisher OP-5	piece	2.00		
		<i>Total</i>	Lei			
		Total Anti-fire system Including salary				
		1.2. Aqueduct				
4	SD01B	Service tap, simple or double with adapter, regardless of the closing modality, having the diameter 3/4" - 1" (ball-type tap d=25 mm)	piece	11.00		
5	SD01B	Service tap, simple or double with adapter, regardless of the closing modality, having the diameter 3/4" - 1" (ball-type tap d=20 mm)	piece	2.00		
6	SD01A	Service tap, simple or double with adapter, regardless of the closing modality, having the diameter 3/8" - 1/2", (ball-type tap d=15 mm)	piece	3.00		
7	SD19A	Tap with retainer with threaded sleeves, having the diameter of 25 mm (shut-off faucet sleeve)	piece	4.00		
8	SD11C	Butterfly-type tap with plain return copper valve d 50mm	piece	1.00		
9	SE56A1	Filter for drinking water, with threaded sleeves to be installed on the pipe, with the diameter 1" - 2" d=25 mm	piece	1.00		
10	11-02-001-01	Device installed on threaded joints, weight, kg, up to: 1.5 (manometer of type MII-10Y)	piece	3.00		
11	Supplier	Manometer with range 0-1,0 MIIa	piece	3.00		

1	2	3	4	5	6	7
	price	МП-10 Y				
12	ID03A	Plug valve tap with three ways, flanges with stuffing, for central heating installations, having a nominal diameter of 20 mm (for installing the manometer)	piece	3.00		
13	AcA05B	Assembling steel pipes, zincate (apparently or embedded) for water suppliers, mounted through welding - reliance, with the diameter 1"	m	1.20		
14	SE58B	Meters for hot and cold water, having the diameter - 15 mm	piece	1.00		
15	RpIC25B	Assembling round, flat or oval flanges on ducts of black pipes, for installations, having the nominal pressure of 6-10 or 16 and the diameter d=50mm	piece	4.00		
16	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 d=57mm	m	2.50		
17	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 d 32mm	m	15.00		
18	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 Polypropylene pipe d=20*2,1 mm	m	12.00		
19	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	29.50		
20	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	17.50		
21	IC42A	Supporters and devices to support the tubes, boilers, appliances and recipients, with the weight up to 2 kg / piece	kg	10.00		
22	SA35A1	T-bend from copper, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter Copper T-bend d 25x25x25 mm	piece	4.00		
23	SA35A1	T-bend from copper, mounted by screwing on steel pipes for galvanized installations, on columns	piece	2.00		

1	2	3	4	5	6	7
		for internal hydrants, the pipe having the diameter Copper T-bend d 25x20x25 mm				
24	SA35A1	T-bend from copper, mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter Copper T-bend d 25x15x25 mm	piece	6.00		
25	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=57 mm	piece	10.00		
26	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	10.00		
27	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. Passing sleeve 63x2" mm PPRC-3 (PN10)	piece	1.00		
28	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. Passing sleeve 20x1/2" mm PPRC-3 (PN10)	piece	1.00		
29	SA35A	Fittings mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter Copper nipple 1/2"	piece	6.00		
30	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 Copper nipple 3/4"	piece	2.00		
31	SA35A	Fittings mounted by screwing on steel pipes for galvanized installations, on columns for internal hydrants, the pipe having the diameter Copper nipple 1"	piece	27.00		
32	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. Polypropylene bend d=20x1/2" mm PPRC-3 (PN10)	piece	2.00		

1	2	3	4	5	6	7
33	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	20.00		
		<i>Total</i>	\$			
		Total Aqueduct Including salary				
		1.3. Sewerage				
34	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	1.00		
35	SC08A	Closet vessel with base, oriental, completely equipped, from enamel cast iron, sanitary porcelain, etc. oval or rectangular type, embedded	piece	1.00		
36	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	1.00		
37	SB24A	Paving siphon from enameled cast iron, simple, having the diameter 50 mm	piece	8.00		
38	SB08C	Plastic sewer pipe, combined with rubber case, surface-mounted or buried under the floor, having a diameter of 50 mm	m	13.00		
39	SB08E	Plastic sewer pipe, combined with rubber case, surface-mounted or buried under the floor, having a diameter of 110 mm	m	21.00		
40	SB10E	The linking piece from plastic (simple branching) for sewerage, combined with rubber case, having a diameter of 100 mm polypropylene refit	piece	1.00		
41	SB11C	The connecting piece (double branching) from plastic for sewerage, combined with rubber case, having a diameter of 110 mm T-bend 110x50	piece	4.00		
42	SB10E	The linking piece from plastic (simple branching) for sewerage, combined with rubber case, having a diameter of 110 mm (bend)	piece	7.00		
43	SB11A	The connecting piece (double branching) from plastic for sewerage, combined with rubber case, having a diameter of 50 mm (T-bend)	piece	5.00		
44	SB10C	The linking piece from plastic (simple branching) for sewerage, combined with rubber case, having a diameter of 50 mm T-bend	piece	8.00		
45	SF04A	Performing the leak test and operation of sewerage pipes made of	m	3.40		

1	2	3	4	5	6	7
		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				
46	IC42A	Supporters and fixing devices to support the tubes	kg	9.00		
47	IC41C	Bracket for fixing the steel pipes for central heating or gas installation, assembled through shooting, the pipe having 2 1/2" - 4"	piece	10.00		
48	IC41B	Bracket for fixing the steel pipes for central heating or gas installation, assembled through shooting, the pipe having 1 1/4" - 2"	piece	5.00		
		<i>Total</i>	\$			
		Total Sewerage Including salary				
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27.5 %			
		<i>Transportation of materials</i>	%			
		<i>Storage costs</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimate benefit</i>	%			
		Total Sanitary works Including salary				
		Total	\$			
		Total estimates: Including salary				

Compiled

_____ (position, signature, name, surname)

Verified

_____ (position, signature, name, surname)

**Boiler shop and heating system
of the Culture Hall in
Carmanova village, Grigoriopol
rayon**

Form No. 7
WinCmeta

(name of the site)

**LOCAL ESTIMATES No 2-1-6
2-1-6 EE ATM SIP Power and lighting electrical equipment**

Compiled based on current prices as of 09.02.2017

No.	Symbol of the standard 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
		1. Construction works				
1	TsA16B1	Manual digging of the soil, in limited spaces, in trenches for earthing	m3	5.00		
2	TsD18B	Compacted filling of the ditches, for the buried cables of high voltage electricity lines, made with ground came from middle fields	m3	5.00		
		<i>Total</i>	lei			
		<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>				
		Total Construction works Including salary				
		2. Mounting works				
		2.1. Electricity				
3	08-03-521-15	Switcher mounted on metallic support, power up to 250 A (mounted at the connection point)	piece	1.00		
4	08-03-572-6	Command switchboard of closet-type or as distribution point type (case), mounted on the floor, with specific height and width, mm, up to 600x500 (BZUM-TF 02-100-16)	piece	1.00		
5	08-03-600-2	Meters mounted on prepared support, with three phases	piece	1.00		
6	08-03-526-1	Mono-, bi-, three-pole automate, mounted on constructions, power up to 16A	piece	1.00		
7	08-03-573-4	Suspended command box (switchboard), height, width, and depth, mm, up to 600x600x350 (ИПН-II-4)	piece	1.00		
8	08-03-526-1	Mono-pole automation, assembled in the case, electricity up to 63 A (МП 63 1P 63A C)	piece	1.00		

1	2	3	4	5	6	7
9	08-03-593-6	Light fitting for incandescent lamps on the ceiling or walls, being fixed with bolts for premises with normal average conditions, mono-lamp	100 pieces	0.04		
10	08-03-593-6	Light fitting for incandescent lamps on the ceiling or walls, being fixed with bolts for premises with dangerous environmental conditions, mono-lamp anti-explosive body	100 pieces	0.01		
11	Supplier price	Lighting body of anti-explosive type ДСП 02-30-001 (ВЗГ-200)	piece	1.00		
12	Supplier price	Lighting body of Led type 1500lm 16v жкх 1101	piece	1.00		
13	Supplier price	Lighting body of Led type 40v ДСП 02-30-001	piece	3.00		
14	Supplier price	Mobile flashlight of type ЭКОТОН 2 or equivalent	piece	1.00		
15	Supplier price	Plug socket in closed installation with earthing contact 220V, 20A, IP20	piece	4.00		
16	08-03-591-2	Switcher with one flap, unburied type, in open installation	100 pieces	0.03		
17	Supplier price	Switcher with one flap for closed installation 220V, 10A, IP20	piece	3.00		
18	08-02-409-1	PVC pipe on installed constructions, on walls and columns, fixing with clamps, diameter up to 25 mm	100 m	0.20		
19	08-02-396-5	Metallic channel on walls and ceilings, length 2 m	100 m	1.52		
20	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 ²	100 m	1.77		
21	08-02-412-2	Introducing conductors in metal pipes and hoses: the first conductor is mono-strand or multi-strands in joint braiding, summary section up to 6 mm ²	100 m	1.30		
22	08-02-471-4	Ground plate, vertical, from steel bands, 25x4mm	10 pieces	4.00		
23	08-02-471-4	Ground plate, vertical, from steel bands, 40x4mm	10 pieces	2.00		
24	08-02-472-1	Grounding conductor: ground plate, horizontal, from round steel, diameter 16 mm	100 m	0.11		
25	08-02-472-1	Grounding conductor: ground plate, horizontal, from round steel, diameter 10 mm	100 m	0.10		
26	IC21B	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in distribution pipes, in gas installations for production buildings (industrial constructions), the pipe having a diameter of 1"	m	2.50		

1	2	3	4	5	6	7
27	Supplier price	Case for switches and plugs	piece	7.00		
28	Supplier price	Cable ББГНГ-LS 3x1.5mm ²	m	50.00		
29	Supplier price	Cable ББГНГ-LS 3x4,0mm ²	m	45.00		
30	Supplier price	Conductor ПБ3 4,0mm ² (earthing)	m	45.00		
31	Supplier price	PVC cable 2x1,0mm ²	m	54.00		
32	Supplier price	PVC cable 3x1,5mm ²	m	84.00		
33	Supplier price	PVC cable 3x1,0mm ²	m	39.00		
34	Supplier price	PVC corrugated pipe d=20mm	m	20.00		
35	Supplier price	Duct for PVC cables 60x40mm	m	20.00		
36	Supplier price	Duct for PVC cables 25x16mm	m	15.00		
37	Supplier price	Duct for PVC cables 40x25mm	m	45.00		
38	Supplier price	Duct for PVC cables 20x14mm	m	50.00		
39	11-04-028-01	Connecting the plug connectors in the apparatus, quantity of contacts on the connector, pieces, up to: 14	1 connector	42.00		
		<i>Total</i>	\$			
		Total Electricity Including salary				
		2.2. Automation of the boiler shop				
40	08-03-573-4	Suspended command box (switchboard), height, width, and depth, mm, up to 600x600x350 (ШК)	piece	1.00		
41	08-03-575-1	Device or appliance dismantled before transportation DIN girder	piece	1.00		
42	08-03-530-1	Magnetic starter of common destination, separated, mounted on the floor, electricity up to 40 A Assembling the electromagnetic relays	piece	2.00		
43	08-03-526-1	Mono-, bi-, three-pole automate, mounted on constructions, power up to 25 A	piece	2.00		
44	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5 Exterior Thermal Sensor VPTCTV or equivalent	piece	1.00		
45	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5 Interior Thermal Sensor fixed by attachment VPTCTK or equivalent	piece	1.00		
46	11-02-012-	Flow-meters' devices: Pressure	piece	1.00		

1	2	3	4	5	6	7
	01	sensor DMU 02				
47	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5 Interface of type IU05 and IU 04.10 Termona or equivalent	piece	2.00		
48	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5 (Anti-gas detector)	piece	1.00		
49	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5 Assembling Signaling device of type AD16-22SM/R230 or equivalent	piece	1.00		
50	11-02-012-01	Flow-meters' devices: Pump levelled launcher	piece	1.00		
51	Supplier price	Branching box of type CCY	piece	1.00		
52	08-03-591-11	Plug outlet with earthing	100 pieces	0.04		
53	08-02-398-1	Conductor in ditches, section up to 6 mm ²	100 m	0.50		
54	Supplier price	Cable МКЭШ 4x0,75	m	14.00		
55	Supplier price	Cable МКЭШ 2x0,75	m	36.00		
56	11-08-002-01	Connecting the electricity networks through pipes to appliances: water-gas tubes, diameter of conventional passage up to 25 mm	10 pieces	5.10		
		<i>Total</i>	\$			
		Total Ventilation of the boiler shop Including salary				
		2.3. Anti-fire protection				
57	10-08-002-02	Automated alarms "TIC": smoke, photo-electric, radio-isotopes, light in normal execution	piece	1.00		
58	10-08-002-01	Automated alarms "TIC": thermal in normal execution	piece	1.00		
59	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5 (magnetic relay)	piece	1.00		
60	10-04-066-05	Wall appliances: Siren	piece	2.00		
61	08-02-398-1	Conductor in ditches, section up to 6 mm ²	100 m	0.10		
62	Supplier price	Telephone cable UTP CAT5E 4x2x0.44	m	10.00		
		<i>Total</i>	\$			
		Total Anti-fire protection Including salary				
		<i>Total</i>	\$			

1	2	3	4	5	6	7
		<i>Health insurance</i>	27.5 %			
		<i>Transportation of materials</i>	%			
		<i>Storage costs</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimate benefit</i>	%			
		Total Mounting works Including salary				
		3. Equipment				
		3.1. Electricity				
63	Supplier price	Automated switcher with 1 phase, 25A, BA47-29//1/25A	piece	1.00		
64	Supplier price	Case BZUM-TF 02-100-16 100A	piece	1.00		
65	Supplier price	Electronic meter 120A ZMG 310 CR 2400 or equivalent	piece	1.00		
66	Supplier price	Automated switcher with 1 pole 16A, BA47-29//1/16C	piece	1.00		
67	Supplier price	Distribution case ЦПН-43-1 4 УХЛ3 IP31, (ЦПН-П-4)	piece	1.00		
68	Supplier price	Module-based switcher - disconnecter МП 63 1P 63A C	piece	1.00		
		<i>Total</i>	\$			
		Total Electricity Including salary				
		3.2. Automation of the boiler shop				
69	Supplier price	Dispatch box ПП-2-3 36УХЛ3 , IP31 (ЦК)	piece	1.00		
70	Supplier price	Electrical switchboard with the set of regulating systems VPT PSK ADS or equivalent	piece	1.00		
71	Supplier price	Electromagnetic relays рэк77/3	piece	2.00		
72	Supplier price	Automated switcher with 1 pole 6A, BA47-29//1/6C or equivalent	piece	1.00		
73	Supplier price	Automated switcher with 1 pole 10A, BA47-29//1/10C	piece	1.00		
74	Supplier price	Exterior Thermal Sensor VPTCTV or equivalent	piece	1.00		
75	Supplier price	Exterior Thermal Sensor VPTCTK or equivalent	piece	1.00		
76	Supplier price	Pressure sensor DMU 02 or equivalent	piece	1.00		
77	Supplier price	Interface of type IU05 and IU 04.10 Termona or equivalent	piece	1.00		
78	Supplier price	Anti-gas detector	piece	1.00		
79	Supplier price	Signaling device of type AD16-22SM/R230	piece	1.00		
80	Supplier price	Pump levelled launcher WA 65 or equivalent	piece	1.00		
		<i>Total</i>	\$			
		Total Ventilation of the boiler shop				

1	2	3	4	5	6	7
		Including salary				
		3.3. Anti-fire protection				
81	Supplier price	Smoke detector ИП-212-78 of type Aurora TH or equivalent	piece	1.00		
82	Supplier price	Thermal fire warning device ИП-101-78-A1 of type Aurora TH or equivalent	piece	1.00		
83	Supplier price	Siren 12v	piece	2.00		
84	Supplier price	Electromagnetic relay NO-102-20 or equivalent	piece	1.00		
		<i>Total</i>	\$			
		Total Anti-fire protection Including salary				
		<i>Total</i>	\$			
		<i>Collecting materials</i>	%			
		<i>Total</i>				
		Total Equipment Including salary				
		Total	\$			
		Total estimates: Including salary				

Compiled

_____ (position, signature, name, surname)

Verified

_____ (position, signature, name, surname)

**Boiler shop and heating system
of the Culture Hall in
Carmanova village, Grigoriopol
rayon**

Form No. 7
WinCmeta

(name of the site)

**LOCAL ESTIMATES No 2-1-7
RIAC 2-1-7 (Internal network of water supply and sewerage)**

Compiled based on current prices as of 12.10.2017

No.	Symbol of the standard 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
		1. Sanitary works				
		1.1. Aqueduct				
1	SD01B	Service tap, with adapter, regardless of the closing modality, having the diameter 3/4" - 1" (ball-type tap d=15 mm)	piece	1.00		
2	SD01B	Service tap, simple with adapter, regardless of the closing modality, having the diameter 3/4" - 1" (ball-type tap d=25 mm)	piece	4.00		
3	SD19A	Tap with retainer with threaded sleeves, having the diameter of 25 mm (shut-off faucet sleeve)	piece	1.00		
4	SE56A1	Filter for drinking water, with threaded sleeves to be installed on the pipe, with the size 1" - 2" d=25 mm	piece	1.00		
5	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	1.20		
6	SE58B	Meters for hot and cold water, having the diameter - 15 mm	piece	1.00		
7	SA17A	Plastic pipe joined by poly-fusion welding, in distribution pipes in dwelling and social-cultural buildings, having the diameter of 20 mm (Sleeves - 4, bends - 4, t-bends - 3)	m	16.00		
8	SA17A	Plastic pipe joined by poly-fusion welding, in distribution pipes in dwelling and social-cultural buildings, having the diameter of 25 mm (sleeves - 3, bends - 2, t-bends - 8)	m	10.00		
9	SA17B	Plastic pipe joined by poly-fusion	m	10.00		

1	2	3	4	5	6	7
		welding, in distribution pipes in dwelling and social-cultural buildings, having the diameter of 32 mm (sleeves -3, bends - 5, t-bends - 3)				
10	SA17E	Plastic pipe joined by poly-fusion welding, in distribution pipes in dwelling and social-cultural buildings, having the diameter of 63 mm (sleeves -10, bends - 11, t-bends - 0)	m	41.00		
11	IC37B	Fittings with two joints from polyethylene joined by pressed screwing with the reinforced polyethylene pipe, having the exterior diameter of 20.0 mm Bend with assembling rings 20mm x 1/2"	piece	14.00		
12	IC37B	Fittings with two joints from polyethylene joined by pressed screwing with the reinforced polyethylene pipe, having the exterior diameter of 2 mm Polyethylene sleeve 63mm x 2"	piece	1.00		
13	IC37B	Fittings with two joints from polyethylene joined by pressed screwing with the reinforced polyethylene pipe, having the exterior diameter of 1 mm Polyethylene sleeve 32mm x 1"	piece	4.00		
14	IC30D	Soft cast iron fittings, with 2 screw-threads, assembled by bolting with the steel pipe, having the diameter 1" T-bend 1x1x1	piece	2.00		
15	SD01A	Service tap, simple or double with adapter, regardless of the closing modality, having the diameter 15 mm,	piece	1.00		
16	SD17A	Internal hydrant, for buildings, with diameter 2", mounted in corbels (with frame)	piece	1.00		
17	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	1.20		
18	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		
19	SF05C	Washing up the hot and cold water installation, executed from plastic pipes, with the diameter of 20-75 mm	m	89.00		
20	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	26.00		

1	2	3	4	5	6	7
21	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	14.00		
22	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		
		<i>Total</i>	\$			
		Total Aqueduct Including salary				
		1.2. Sewerage				
23	SC07A	Closet reservoir, completely equipped, from sanitary semi-porcelain or porcelain etc. including for disabled people, placed on the floor, with the water reservoir mounted at a certain height or semi-height, with the S-type internal siphon	piece	6.00		
24	SC04C	Sink from sanitary semi-porcelain or porcelain, etc. including for disabled people, with the sewerage pipe of plastic material, mounted on a stand	piece	5.00		
25	SD04A	Static mixing battery with swinging boom for the washer I	piece	5.00		
26	SC09A	Sanitary porcelain urinary mounted in the wall of bricks or autoclaved aerated concrete	piece	2.00		
27	SB24A	Paving siphon from enameled cast iron, simple, having the diameter 50 mm	piece	1.00		
28		Flexible hose reinforced with metallic fibers 1/2 L =0,5 m	piece	16.00		
29	SB08C	Plastic sewer pipe, combined with rubber case, surface-mounted or buried under the floor, having a diameter of 50 mm	m	9.00		
30	SB08E	Plastic sewer pipe, combined with rubber case, surface-mounted or buried under the floor, having a diameter of 110 mm	m	29.00		
31	SB09E	The linking piece from plastic for sewerage, combined with rubber case, having a diameter of 110 mm (revision)	piece	1.00		
32	SB09C	The connecting piece from plastic for sewerage, combined with rubber case, having a diameter of 50 mm (plug)	piece	3.00		
33	SB09E	The linking piece from plastic for sewerage, combined with rubber case, having a diameter of 110 mm (plug)	piece	1.00		
34	SB11A	The connecting piece (double branching) from plastic for sewerage, combined with rubber case, having a	piece	7.00		

1	2	3	4	5	6	7
		diameter of 50 mm (T-bend)				
35	SB11C	The connecting piece (double branching) from plastic for sewerage, combined with rubber case, having a diameter of 110 mm (T-bend)	piece	9.00		
36	SB09C	The connecting piece from plastic for sewerage, combined with rubber case, having a diameter of 50 mm (bend)	piece	3.00		
37	SB09E	The connecting piece from plastic for sewerage, combined with rubber case, having a diameter of 110 mm (bend)	piece	10.00		
38	SB09E	The connecting piece from plastic for sewerage, combined with rubber case, having a diameter of 110 mm (passing 110x50)	piece	3.00		
39	SB09E	The connecting piece from plastic for sewerage, combined with rubber case, having a diameter of 110 mm (cross 110)	piece	1.00		
40	IC40E	Bracket for fixing the steel pipes for central heating or gas installation, assembled on gimlets of 1 1/4" - 2", on expanded dowels, in concrete masonry	piece	9.00		
41	IC40F	Bracket for fixing the steel pipes for central heating or gas installation, assembled on gimlets of 2 1/2" - 4", on expanded dowels, in concrete masonry	piece	29.00		
42	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	3.80		
43	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	11.00		
44	RpCU07C	Caulking the holes in the plates with cement-lime mortar, after installations	piece	11.00		
45	SA05A	Galvanized steel tube for installations, installed in columns for internal hydrants, in industrial constructions and residential buildings and social-cultural buildings, with the diameter 2"	m	1.00		
46	SA05D	Galvanized steel tube for installations, installed in columns for internal hydrants, in industrial constructions and residential buildings and social-cultural buildings, with the diameter 4"	m	1.30		

1	2	3	4	5	6	7
47	SA05D	Galvanized steel tube for installations, installed in columns for internal hydrants, in industrial constructions and residential buildings and social-cultural buildings, with the diameter d=219mm	m	2.40		
		<i>Total</i>	\$			
		Total Sewerage Including salary				
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27.5 %			
		<i>Transportation of materials</i>	%			
		<i>Storage costs</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimate benefit</i>	%			
		Total Sanitary works Including salary				
		Total	\$			
		Total estimates: Including salary				

Compiled

_____ (position, signature, name, surname)

Verified

_____ (position, signature, name, surname)

**Boiler shop and heating system
of the Culture Hall in
Carmanova village, Grigoriopol
rayon**

Form No. 7
WinCmeta

(name of the site)

**LOCAL ESTIMATES No 2-1-8
RGE 2-1-8 (Internal networks for gas supply)**

Compiled based on current prices as of 12.10.2017

No.	Symbol of the standard 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
		1. Sanitary works				
1	IC21A	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in columns, in gas installations for production buildings (industrial constructions), the pipe having a diameter of 3/4"	m	1.00		
2	IC21B	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in distribution pipes, in gas installations for production buildings (industrial constructions), the pipe having a diameter of 1"	m	13.00		
3	IC21D	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in distribution pipes, in gas installations for production buildings (industrial constructions), the pipe having a diameter of 1 1/2"	m	2.00		
4	IC21G	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in distribution pipes, in gas installations for production buildings (industrial constructions), the pipe having a diameter of 3"	m	9.00		
5	IE06A	Preliminary pressure verification of the mounted gas pipes, including of the taps, without meters and usage devices, diameter up to 1"	m	14.00		
6	IE06B	Preliminary pressure verification of the mounted gas pipes, including of the taps, without meters and usage devices, diameter over 1"	m	11.00		
7	IE07A	Final pressure verification of the mounted gas pipes, including of the	m	14.00		

1	2	3	4	5	6	7
		taps, without meters and usage devices, the pipes having the diameter up to 1", inclusively				
8	IE07B	Final pressure verification of the mounted gas pipes, including of the taps, without meters and usage devices, the pipes having the diameter over 1"	m	11.00		
9	ID10A	Tap with stopcock plug (cup) and connectors or plug with valves, with the body clogged with valves, for gas installations, having a nominal diameter of 3/8" -1/2" d 15 mm 11кч24п1	piece	1.00		
10	ID10B	Tap with stopcock plug (cup) and connectors or plug with valves, with the body clogged with valves, for gas installations, having a nominal diameter of 3/4" d 20 mm 11кч24п1	piece	1.00		
11	ID10D	Tap with stopcock plug (cup) and connectors or plug with valves, with the body clogged with valves, for gas installations, having a nominal diameter of 1 1/4" -1 1/2" 32 mm 11кч24п1	piece	2.00		
12	IC42A	Supporters and devices to support the tubes, boilers, appliances and recipients, with the weight up to 2 kg / piece	kg	14.50		
13	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete	kg	15.50		
14	RpCU05I1	Executing the perforation for the pipes or ties in the walls of stone or reinforced concrete of 26- 50 cm thickness, for executing mechanized perforations	piece	2.00		
15	IC44A	Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, the pipe having the diameter 1" -2" installation pipe 0.7 m	piece	1.00		
16	IC44C	Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, the pipe having the diameter 127 x 4 mm ... 178 x 5 mm installation pipe 0.7m	piece	1.00		
17	GB05A	Steel flange for Pn 10, 16, 25, 40,64 mounted through electrical welding, on steel pipes, with the Dn 65 mm	piece	1.00		
18	GB05B	Steel flange for Pn 10, 16, 25, 40,64 mounted through electrical welding, on steel pipes, with the Dn 80 mm	piece	2.00		
19	GD08B	Bellied cap of welded steel board, for pipes, having Dn 80 mm	piece	1.00		

1	2	3	4	5	6	7
20	GD05A	Welding bend, assembled on pipes, with Dn 3"; 76-89 mm assembling of the bend dn 80mm	piece	5.00		
21	IzJ09A	Painting the board covering for the pipes and appliances with aluminum enamel, in 2 layers, including the priming	m2	5.00		
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27.5 %			
		<i>Transportation of materials</i>	%			
		<i>Storage costs</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimate benefit</i>	%			
		Total Sanitary works Including salary				
		2. Mounting the equipment				
22	ID13D	Blocking clack with valves, installed on the gas pipes, having the nominal diameter 3" Clack valve dn-80mm Normal with closed mounting	piece	1.00		
23	IA40B	Safety device against lack of gas-air, assembling	piece	1.00		
24	11-02-001-01	Device installed on threaded joints, weight, kg, up to: 1.5 assembling the manometer	piece	1.00		
25	11-01-001-01	Constructions for installing devices, weight, kg, up to: 1 piece for fixing the manometer	piece	1.00		
26	3456777	Devices for taking gas samples	piece	1.00		
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27.5 %			
		<i>Transportation of materials</i>	%			
		<i>Storage costs</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimate benefit</i>	%			
		Total Mounting the equipment Including salary				
		3. Equipment				
27	1234	Blocking valve Dn 80mm, normally closed	piece	1.00		
28	12345	Manometer with three-hand tap d-15mm	piece	1.00		
29	3444	Gas signaling device NO-102-20 or equivalent	piece	1.00		
		<i>Total</i>	\$			
		Total Equipment Including salary				
		Total	\$			
		Total estimates: Including salary				

Compiled

(position, signature, name, surname)

Verified

(position, signature, name, surname)

**Boiler shop and heating system
of the Culture Hall in
Carmanova village, Grigoriopol
rayon**

Form No. 1
WinCmeta

(name of the site)

**LOCAL ESTIMATES No 6-1-1
REAC 6-1-1 (External network of water supply and sewerage)**

Compiled based on current prices as of 12.10.2017

No.	Symbol of the standard 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
		1. Construction assembling works 1.1. External aqueduct				
1	TsC03F1	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in motor-cars, land cat. II.	100 m3	0.08		
2	TsI50E	Transportation of loads with the trucks at a distance of 5 km	t	13.20		
3	TsC51B	Works for unloading the soil in the storage, field category II	100 m3	0.08		
4	TsC03B1	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading on the field storage of cat. II.	100 m3	0.08		
5	TsC03B1	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading on the field storage of cat. II.	100 m3	1.65		
6	TsA16B1	Manual excavation of land in confined spaces, in layers up to 4 m deep, for high voltage cables, in ground with natural moisture without support, width <1 m, depth < 1.5 m, middle ground	m3	7.00		
7	TsA16B2	Manual excavation of land in confined spaces, in layers up to 4 m deep, for high voltage cables, in	m3	2.00		

1	2	3	4	5	6	7
		ground with natural moisture without support, width <1 m, depth < 1.5 m, middle ground with obstacle				
8	TsD02B1	Spreading the loose land coming from the fields of category I and II, executed with caterpillar tractor-based bulldozer 65-80 CP, in layers with thickness of 21-30 cm	100 m3	1.45		
9	TsD01A	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 light ground	m3	37.00		
10	GA12A	Under-passing under the existing tubes or cables, the route of the pipe having the Dn up to 100 mm	piece	8.00		
11	TsD05B	Compaction with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil	100 m3	1.45		
12	AcE11A	Executing the manholes from the reinforced concrete pre-manufactured elements, for sewerage, circular (ring-type) with diameter of 1,5 m, in the field without underground water	m3	2.45		
13	Supplier price	Pre-manufactured plates for manholes KИД 15	piece	2.00		
14	Supplier price	Pre-manufactured plates for manholes KИ 15-9a	piece	2.00		
15	Supplier price	Pre-manufactured plates for manholes KИ 15-6	piece	2.00		
16	Supplier price	Pre-manufactured plates for manholes KИИ1-15-1	piece	2.00		
17	Supplier price	Pre-manufactured plates for manholes KИО-1	piece	2.00		
18	AcE07C	Mounting iron overs without the support element, at the manholes of the water and sewerage supply installations, carriageable type III A and B	piece	2.00		
19	AcF02A	Ladder with steel string boards of 50x10 mm and stairs of steel-concrete with Dn=20mm, for access to the manholes of concrete tubes	m	2.00		

1	2	3	4	5	6	7
20	SD11C	Retaining tap with female coupling, from cast iron, with flanges, with the nominal diameter 50-65 mm. Butterfly valve d=50mm	piece	2.00		
21	SD01B	Service tap, simple or double with adapter, regardless of the closing modality, having the diameter 1"	piece	1.00		
22	RpCU05I1	Executing the perforation for the pipes or ties in the walls of stone or reinforced concrete of 26- 50 cm thickness, for executing mechanized perforations	piece	8.00		
23	IC44A	Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, the pipe having the diameter 1" -2" pipe PE-100 SDR 17	piece	1.00		
24	IC44B	Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, the pipe having the diameter 2 1/2" - 4" pipe PE -100 dn 75mm SDR 17L=0.5m	piece	3.00		
25	IC44B	Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, the pipe having the diameter 2 1/2" - 4" pipe PE -100 dn 110mm SDR 17	piece	2.00		
26	IC44B	Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, the pipe having the diameter 2 1/2" - 4" steel pipe dn 118mm l=0,7m	piece	1.00		
27	IC44C	Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, the pipe having the diameter 127 x 4 mm ... 178 x 5 mm steel pipe dn 159 mm l=0,7m	piece	1.00		
28	AcA52A	Polyethylene pipe for water supply, mounted in ditch, with diameter 63 mm. PE -100 SDR 17	m	121.00		
29	AcA52A	Polyethylene pipe for water supply, mounted in ditch, with diameter 32 mm. PE -100 SDR 17	m	54.00		
30	AcA54A	Assembling the fittings mechanically, screwing up. Mechanic combination between the pipe and the fitting (valves, T-bends, joints) from polyethylene, the pipes having the diameter of 20-40 mm. Note: the type of polyethylene fittings (sleeves, T-bends, bends) will be included according to the design bend 90 degrees PE 100 d=32mm	piece	2.00		

1	2	3	4	5	6	7
31	AcA54B	Assembling the fittings mechanically, screwing up. Mechanic combination between the pipe and the fitting (valves, T-bends, joints) from polyethylene, the pipes having the diameter of 50-110 mm. Note: the type of polyethylene fittings (sleeves, T-bends, bends) will be included according to the design bend 90 degrees PE 100 d=63mm	piece	3.00		
32	AcA54A	Assembling the fittings mechanically, screwing up. Mechanic combination between the pipe and the fitting (valves, T-bends, joints) from polyethylene, the pipes having the diameter of 20-40 mm. Note: the type of polyethylene fittings (sleeves, T-bends, bends) will be included according to the design sleeve M d=32x1"mm	piece	2.00		
33	AcA54A	Assembling the fittings mechanically, screwing up. Mechanic combination between the pipe and the fitting (valves, T-bends, joints) from polyethylene, the pipes having the diameter of 20-40 mm. Note: the type of polyethylene fittings (sleeves, T-bends, bends) will be included according to the design sleeve F d=32x1"mm	piece	1.00		
34	AcA54B	Assembling the fittings mechanically, screwing up. Mechanic combination between the pipe and the fitting (valves, T-bends, joints) from polyethylene, the pipes having the diameter of 50-110 mm. Note: the type of polyethylene fittings (sleeves, T-bends, bends) will be included according to the design reduction sleeve 63-32	piece	1.00		
35	AcA54B	Assembling the fittings mechanically, screwing up. Mechanic combination between the pipe and the fitting (valves, T-bends, joints) from polyethylene, the pipes having the diameter of 50-110 mm. Note: the type of polyethylene fittings (sleeves, T-bends, bends) will be included according to the design T-bend 90 degrees d=63 PE 100 SDR 17	piece	1.00		
36	AcA54B	Assembling the fittings mechanically, screwing up. Mechanic combination between the pipe and the fitting (valves, T-bends, joints)	piece	1.00		

1	2	3	4	5	6	7
		from polyethylene, the pipes having the diameter of 50-110 mm. Note: the type of polyethylene fittings (sleeves, T-bends, bends) will be included according to the design sleeve F d=63x2"mm				
37	AcA54B	Assembling the fittings mechanically, screwing up. Mechanic combination between the pipe and the fitting (valves, T-bends, joints) from polyethylene, the pipes having the diameter of 50-110 mm. Note: the type of polyethylene fittings (sleeves, T-bends, bends) will be included according to the design sleeve with flange dn-63mm	piece	4.00		
38	AcA54B	Assembling the fittings mechanically, screwing up. Mechanic combination between the pipe and the fitting (valves, T-bends, joints) from polyethylene, the pipes having the diameter of 50-110 mm. Note: the type of polyethylene fittings (sleeves, T-bends, bends) will be included according to the design reduction sleeve d 90-63mm	piece	1.00		
39	AcA54B	Assembling the fittings mechanically, screwing up. Mechanic combination between the pipe and the fitting (valves, T-bends, joints) from polyethylene, the pipes having the diameter of 50-110 mm. Note: the type of polyethylene fittings (sleeves, T-bends, bends) will be included according to the design T-bend 90 degrees PE 100 SDR17	piece	1.00		
40	AcE51A	Connection with the existing tube of steel pipes (with nozzle), with the diameter of the nozzle of 50 mm	piece	1.00		
		<i>Total</i>	\$			
		Total External aqueduct Including salary				
		1.2. Sewerage				
41	TsC03B1	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading on the field storage of cat. II.	100 m3	0.20		
42	TsA16B1	Manual excavation of land in confined spaces, in layers up to 4 m deep, for high voltage cables, in ground with natural moisture without support, width <1 m, depth < 1.5 m, middle ground	m3	1.00		
43	TsD02B1	Spreading the loose land coming from the fields of category I and II, executed with caterpillar tractor-	100 m3	0.17		

1	2	3	4	5	6	7
		based bulldozer 65-80 CP, in layers with thickness of 21-30 cm				
44	TsD01A	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 light ground	m3	4.00		
45	TsD05B	Compaction with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil	100 m3	0.17		
46	RpCU05I1	Executing the perforation for the pipes or ties in the walls of stone or reinforced concrete of 26- 50 cm thickness, for executing mechanized perforations	piece	4.00		
47	IC44D	Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, the pipe having the diameter 219 x 8 mm ... 273 x 7 mm steel pipe d=219mm l=0,7m	piece	1.00		
		<i>Total</i>		\$		
		Total Sewerage Including salary				
		<i>Total</i>		\$		
		<i>Social and health insurance</i>		27.5 %		
		<i>Transportation of materials</i>		%		
		<i>Procurement and storage costs</i>		%		
		<i>Direct cost</i>				
		<i>Overhead costs</i>		%		
		<i>Total</i>				
		<i>Estimate benefit</i>		%		
		Total Construction assembling works Including salary				

		Total		\$		
		Total estimates: Including salary				

Compiled

_____ (position, signature, name, surname)

Verified

_____ (position, signature, name, surname)

**Boiler shop and heating system
of the Culture Hall in
Carmanova village, Grigoriopol
rayon**

Form No. 1
WinCmeta

(name of the site)

**LOCAL ESTIMATES No 6-1-2
RGE 6-1-2 (External networks for gas supply)**

Compiled based on current prices as of 12.10.2017

No.	Symbol of the standard 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
		1. Sanitary works				
		1.1. Embankment works				
1	TsC03B1	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading on the field storage of cat. II.	100 m3	1.28		
2	TsA16B1	Manual excavation of land in confined spaces, in layers up to 4 m deep, for high voltage cables, in ground with natural moisture without support, width <1 m, depth < 1.5 m, middle ground	m3	4.00		
3	TsD02B1	Spreading the loose land coming from the fields of category I and II, executed with caterpillar tractor-based bulldozer 65-80 CP, in layers with thickness of 21-30 cm	100 m3	1.06		
4	TsD01A	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 light ground	m3	26.00		
5	TsD05B	Compaction with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil	100 m3	1.06		
		<i>Total</i>	\$			
		Total Embankment works Including salary				

1	2	3	4	5	6	7
		1.2. Medium pressure gas pipeline (underground)				
6	AcF03A	Fillings in the trenches of the pipes for water supply or sewerage, as substrate, protection layer, insulating layer or filtering layer for the drainage tubes, made with sand	m3	12.00		
7	GD52A	Polyethylene pipe for the distribution pipe, mounted in ditch, with diameter up to 40 mm PE 100 SDR 11 d=40x3,7	m	160.00		
8	GD12A	Joining the new pipe with the existing network in operation	piece	1.00		
9	GD13A	T-bend element for connections, assembled on the distribution and transition steel pipe PE 40x38mm	piece	1.00		
10	GD54A	Combining through electro-fusion welding the pipe and the fitting (sleeves, bend, T-bend) from polyethylene, the pipes having the diameter 40 mm, PE sleeve d=40mm with device for electrical heating	piece	3.00		
11	GD54A	Combining through electro-fusion welding the pipe and the fitting (sleeves, bend, T-bend) from polyethylene, the pipes having the diameter 40 mm the Bend 90 degrees PE 100 dn=40x3.7 mm	piece	1.00		
12	GD54A	Combining through electro-fusion welding the pipe and the fitting (sleeves, bend, T-bend) from polyethylene, the pipes having the diameter 40 mm, T-bend of saddle type PR 90/40 with device for electrical heating	piece	3.00		
13	GD01E	Steel pipe for collecting or distributing conducts, assembled in the ditch, having the Dn 200 mm	m	1.00		
14	RpCU07C	Caulking the holes in the plates with cement-lime mortar, after installations	piece	1.00		
15	IzB04B	Anti-corrosive protection of penetrations (in tubes, syphons, etc.) with mass of bituminous mastic spatula, with average thickness of 18 mm, with two layers of reinforcement	piece	1.00		
16	GA07A	De-aerators for channeling gas leaks under 200 mm	piece	1.00		

1	2	3	4	5	6	7
		<i>Total</i>	\$			
		Total Medium pressure gas pipeline (underground) Including salary				
		1.3. Above-ground medium pressure gas pipeline				
17	IC21D	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in distribution pipes, in gas installations for production buildings (industrial constructions), the pipe having a diameter of 1 1/2 " d = 38x3 mm	m	2.00		
18	IC21D	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in distribution pipes, in gas installations for production buildings (industrial constructions), the pipe having a diameter of 1 1/2 " d = 45x3 mm	m	3.00		
19	GD54A	Combining through electro-fusion welding the pipe and the fitting (sleeves, bend, T-bend) from polyethylene, the pipes having the diameter 32, 40, 50, 63 mm Steel pass 40/32mm	piece	1.00		
20	GD54A	Combining through electro-fusion welding the pipe and the fitting (sleeves, bend, T-bend) from polyethylene, the pipes having the diameter 32, 40, 50, 63 mm Bend 90 degrees d=40mm	piece	1.00		
21	GB05A	Steel flange for Pn 10, 16, 25, 40,64 mounted through electrical welding, on steel pipes, with the Dn 32 mm	piece	1.00		
22	GB01A	Tap with flanges Pn 10-16, with Dn 32 mm	piece	1.00		
23	IE06A	Preliminary pressure verification of the mounted gas pipes, including of the taps, without meters and usage devices, diameter up to 1"	m	160.00		
24	IE07A	Final pressure verification of the mounted gas pipes, including of the taps, without meters and usage devices, the pipes having the diameter up to 1", inclusively	m	160.00		
		<i>Total</i>	\$			

1	2	3	4	5	6	7
		Total Above-ground medium pressure gas pipeline Including salary				
		1.4. Above-ground low pressure gas pipeline				
25	TfA01B1	Steel pipe assembled in the ditch at a depth of down to 1m or above-ground, at a height up to 3 m, including the pressure test in cold conditions, sealing test and the complex test with fluid in circulation, having the diameter 76x3	m	1.00		
26	TfA01A1	Steel pipe assembled in the ditch at a depth of down to 1m or above-ground, at a height up to 3 m, including the pressure test in cold conditions, sealing test and the complex test with fluid in circulation, having the diameter 20 mm	m	20.00		
27	ID10A	Tap with stopcock plug (cup) and connectors or plug with valves, with the body clogged with valves, for gas installations , having a nominal diameter of 3/8" -1/2" d 65 mm 10 bar	piece	1.00		
28	GB05A	Steel flange for Pn 10, 16, 25, 40,64 mounted through electrical welding, on steel pipes, with the Dn 65 mm	piece	2.00		
29	IC42A	Supporters and devices to support the tubes, boilers, appliances and recipients, with the weight up to 2 kg / piece	kg	1.00		
30	IE06A	Preliminary pressure verification of the mounted gas pipes, including of the taps, without meters and usage devices, diameter up to 1"	m	21.00		
31	IE07A	Final pressure verification of the mounted gas pipes, including of the taps, without meters and usage devices, the pipes having the diameter up to 1", inclusively	m	21.00		
32	IzJ09A	Painting the board covering for the pipes and appliances with aluminum enamel, in 2 layers, including the priming	m2	3.00		
		<i>Total</i>	\$			
		Total Above-ground low pressure gas pipeline Including salary				

1	2	3	4	5	6	7
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27.5 %			
		<i>Transportation of materials</i>	%			
		<i>Storage costs</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimate benefit</i>	%			
		Total Sanitary works Including salary				
		2. Mounting the equipment				
33	08-03-572-5	Command switchboard of closet-type or as distribution point type (case), mounted on the wall, with specific height and width, mm, up to 1700x1100	piece	1.00		
34	GE01D	Pressure regulator (of domestic use), individually mounted, for the nominal flow of: -50 m3/h	piece	1.00		
35	GE07A1	Fittings in the station (gate valve, mechanical safety valve and differential measurement outlet) with DN: - 40-50 mm -assembling the Filter	piece	1.00		
36	GB01A	Tap with flanges Pn 10-16, with Dn 50 mm three-hand valves dn=15mm	piece	5.00		
37	GB01A	Tap with flanges Pn 10-16, with Dn 50 mm valves dn=40mm	piece	4.00		
38	GB01A	Tap with flanges Pn 10-16, with Dn 50 mm valves dn=65mm	piece	4.00		
39	IA43A	Volumetric gas meter, with Holland type adjusters, assembled on the existing meter plate, the connectors having the diameter of 1"	piece	1.00		
40	10-08-003-02	Ultrasound appliances: ultrasound device for mono-block execution	piece	1.00		
41	GE10A1	Industrial manometer with control ax and diameter of the carcass of 160 mm Pn 10 - assembling	piece	4.00		
42	GE08A1	Differential flow-meter assembled in the station, having the diameter of the connection of 3/8" - assembling	piece	1.00		
		<i>Total</i>	\$			
		<i>Social and health insurance</i>	27.5 %			
		<i>Transportation of materials</i>	%			
		<i>Storage costs</i>	%			
		<i>Direct cost</i>				
		<i>Overhead costs</i>	%			
		<i>Total</i>				
		<i>Estimate benefit</i>	6 %			

1	2	3	4	5	6	7
		Total Mounting the equipment Including salary				
		3. Equipment				
43	Supplier price	Board for regulating gas pressure шгрт-40\65-Э-Ф1Б1	piece	1.00		
44	Supplier price	Gas pressure regulator RBI 2612 DN 50 or equivalent	piece	1.00		
45	Supplier price	Gas filter DN 40	piece	1.00		
46	Supplier price	Gas meter Delta Compact G10 DN 40 or equivalent	piece	1.00		
47	Supplier price	Meter corrector of CORUS type or equivalent	piece	1.00		
48	Supplier price	Technical manometer for gas	piece	4.00		
49	Supplier price	Gas flow meter	piece	1.00		
		<i>Total</i>		\$		
		Total Equipment Including salary				
		Total		\$		
		Total estimates: Including salary				

Compiled

_____ (position, signature, name, surname)

Verified

_____ (position, signature, name, surname)