Social Center in Malaesti Vechi village, Balabanesti commune, Criuleni district No. 5072-CBA

(name of the site)

LOCAL ESTIMATES No 2-1-1

Social Center. Constructions of reinforced concrete

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, USD	
					Per U.M. _____ incl. salary	Total _____ incl. salary
1	2	3	4	5	6	7
		1. Earthworks				
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 in the storage of ground cat. II (Development of mechanized dump)	100 m3	13.260		
2	TsA20B	Manual digging of land, in breakers, with canal embankment dug with the excavator or scraper for completing the cutting slopes, in middle ground (Manual revision)	m3	27.426		
3	TsC54A	Foundation layer of sand (Installation of the sand cushion)	m3	144.492		
4	TsC22D1	Increase in use of hours-equipment art. TsC18A1 for transporting the ground for each additional 10 m, exceeding the distance envisaged for the respective item, for grounds of category II (moving at a distance of 10m)	100 m3	13.536		
5	TsC22D1	Increase in use of hours-equipment art. TsC19B1 for transporting the ground for each additional 10 m, exceeding the distance envisaged for the respective item, for grounds of category II (Moving at a distance of 10 m for backfill)	100 m3	10.979		

1	2	3	4	5	6	7
6	TsD02A1	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 15-20 cm (Backfill)	100 m3	8.784		
7	TsD05A	Compacting 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 non-cohesive ground (Mechanized compaction)	100 m3	8.784		
8	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 middle ground (Manual backfill with compacting)	m3	219.480		
9	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, ground cat. II (Loading the extra-soil with the help of an excavator 0.40-0.70 m3, category II, κ=0.85)	100 m3	2.975		
10	TsI50E	Transportation of loads with the trucks at a distance of 5 km (Removal of excess soil with trucks at a distance of 5 km)	t	601.044		
11	TsC50B	Repairing and maintaining the natural roads when transporting the soil, for every 0.5 km, field category II	100 m3	0.297		
12	TsC51B	Works for unloading the soil in the storage, field category II	100 m3	0.297		
		Total	$			
		Total Earthworks Including salary				
		2. Foundations				
13	CA02C	Simple concrete poured in equalization, slabs at the height up to 35m inclusively, prepared with the concrete plant according to art. CA01 or bulk concrete, poured with classical means (Preparing the concrete for foundations B3.5)	m3	0.084		
14	CA03F	Simple concrete, poured with classical means, in foundations,	m3	0.438		

1	2	3	4	5	6	7
		basements, support walls, under zero - elevation walls, manufactured with concrete making unit or bulk concrete according to art. CA01, poured with classical means, simple concrete class B15 (Concreting the foundations Fm1, Fm2, concrete B15)				
15	CB02A	Reusable formwork panels with short and very short wood boarding planks to pour the concrete in bearings, foundations and foundations glass and foundation equipment including support (Formwork)	m2	3.714		
16	CC01D1	Concrete steel fittings PC 52 shaped in construction shops, assembled with bars over 8 mm diameter inclusively in isolated foundations (Fittings class AIII d=10mm)	kg	6.552		
17	CA02C	Simple concrete poured in equalization, slabs at the height of 35m inclusively, prepared with the concrete plant according to art. CA01 or bulk concrete, poured with classical means (Preparing the concrete for perimeter foundation B3.5)	m3	8.100		
18	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - elevation walls, manufactured with concrete making unit or bulk concrete art. CA01, poured with classical means, simple concrete class B15 (Underlying the perimeter foundation with concrete B15)	m3	27.060		
19	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - elevation walls, manufactured with concrete making unit or bulk concrete art. CA01, poured with classical means, simple concrete class B7.5 (Concreting the perimeter foundation with concrete B7.5)	m3	52.200		
20	CB02A	Reusable formwork panels with short and very short wood boarding resinous planks to pour	m2	438.096		

1	2	3	4	5	6	7
		the concrete in bearings, foundations and foundations glass and foundation equipment including support (Timbering the perimeter foundations)				
21	CC01E	Concrete steel fittings OB 37 shaped in construction shops, assembled with bars up to 8 mm diameter inclusively in continuous and radiation foundations (Fittings A1 d=6mm)	kg	315.474		
22	CC01E1	Concrete steel fittings PC 52 shaped in construction shops, assembled with bars up to 8 mm diameter inclusively in continuous and radiation foundations (Fittings of class AIII d=6mm inclusively)	kg	22.980		
23	CC01F1	Concrete steel fittings PC 52 shaped in construction shops, assembled with bars over 8 mm diameter inclusively in continuous and radiation foundations (Fittings AIII d=10-18 mm)	kg	993.828		
24	CA02C	Simple concrete poured in equalization, slabs at the height up to 35m inclusively, prepared with the concrete plant according to art. CA01 or bulk concrete, poured with classical means (Preparing the concrete for the ramp B3.5)	m3	1.560		
25	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - elevation walls, manufactured with concrete making unit or bulk concrete art. CA01, poured with classical means, simple concrete class B15 (Concreting the ramp with concrete B15)	m3	21.600		
26	CB02B	Formwork from reusable panels with short and under-short resinous wood boarding planks to pour the concrete in elevations, straight walls and diaphragms, including supporters, at heights up to 20m inclusively (Timbering the ramp)	m2	90.230		
27	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - elevation walls,	m3	1.212		

1	2	3	4	5	6	7
		manufactured with concrete making unit or bulk concrete art. CA01, poured with classical means, simple concrete class B15 (Concreting the foundation for partition F-1 B15)				
28	CB02A	Reusable formwork panels with short and very short wood boarding planks to pour the concrete in bearings, foundations and foundations glass and foundation equipment including support (Timbering for the foundation of the partition)	m2	6.246		
29	CC03C	Assembling sealed meshes at heights lower or equal to 35 m, for plates (Grillage C1)	kg	12.360		
30	IzF50A	Hydro-insulation performed with cement mortar with liquid glass at foundations and walls, applied on horizontal surfaces	m2	39.792		
		Total	$			
		Total Foundations Including salary				
		3. Resistance structure				
31	CA04F	Concrete poured in slabs, beams, columns , prepared with the concrete plant or bulk concrete according to art. CA01 and pouring with classical means B15 (Installing the studding St1..St7 Concrete B15)	m3	6.624		
32	CB02D	Formwork from reusable panels with short and under-short resinous wood boarding planks to pour the concrete in pillars and frames, exclusively for supporters, at heights up to 20m inclusively (Timbering for concreting the columns St1..St7)	m2	35.760		
33	CC02K	Concrete steel fittings OB 37 shaped in construction shops, with bars up to 8 mm inclusively diameter and mounted on beams and pillars, at heights smaller or equal to 35 m, excluding constructions executed with sliding formwork (Fittings A1 d=6mm)	kg	102.180		
34	CC02L2	Concrete PC 52 steel fittings shaped in construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights less than or equal to 35 m,	kg	307.800		

1	2	3	4	5	6	7
		excluding constructions executed with sliding formwork (Fittings AIII d=12-18mm)				
35	CA04F	Concrete poured in slabs, beams, columns , prepared with the concrete plant or bulk concrete according to art. CA01 and pouring with classical means B15 (Installing the collar beams Rg-1..Rg-10 from concrete B15)	m3	14.322		
36	CB02C	Formwork from reusable panels with short and under-short resinous wood boarding planks to pour the concrete in bearings and plates, exclusively for supporters, at heights up to 20m inclusively (Timbering for collar beams Rg-1..Rg-10)	m2	83.136		
37	CC02K	Concrete steel OB 37 fittings shaped in construction shops, with bars up to 8 mm inclusively diameter and mounted on beams and pillars, at heights smaller or equal to 35 m, excluding constructions executed with sliding formwork (Fittings A1 d=6-8 mm)	kg	242.082		
38	CC02L	Concrete steel OB 37 fittings shaped in construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork (Fittings AI d=10mm)	kg	12.600		
39	CC02L2	Concrete steel PC 52 fittings shaped in construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork (Fittings AIII d=12-25 mm)	kg	916.728		
40	CL57A	Assembling and fixing the pieces embedded in monolith reinforced concrete: with weight under 4 kg	kg	1.050		
41	CA03G	Reinforced concrete poured with classical means, in foundations, basements, support walls, under zero - elevation walls, manufactured with concrete making unit or bulk concrete according to art. CA01, poured	m3	1.272		

1	2	3	4	5	6	7
		with classical means, reinforced concrete class B15 (Concreting racks and beams on the axes A, E, "5" with concrete B15)				
42	CB02D	Formwork from reusable panels with short and under-short resinous wood boarding planks to pour the concrete in pillars and frames, exclusively for supporters, at heights up to 20m inclusively (Timbering for concreting the racks)	m2	3.694		
43	CB02C	Formwork from reusable panels with short and under-short resinous wood boarding planks to pour the concrete in bearings and plates, exclusively for supporters, at heights up to 20m inclusively (Timbering for beams)	m2	14.764		
44	CC02K	Concrete steel fittings OB 37 shaped in construction shops, with bars up to 8 mm inclusively diameter and mounted on beams and pillars, at heights smaller or equal to 35 m, excluding constructions executed with sliding formwork (Fittings A1 d=6mm)	kg	40.800		
45	CC02L1	Concrete steel OB 37 fittings shaped in construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights over 35 m, excluding constructions executed with sliding formwork (Fittings A1 d=10mm)	kg	0.240		
46	CC02L2	Concrete steel PC 52 fittings shaped in construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork (Fittings AIII d=12-14 mm)	kg	109.740		
		Total	$			
		Total Resistance structure Including salary				
		4. Platform				
47	CA04F	Concrete poured in slabs, beams, columns , prepared with the concrete plant or bulk concrete according to art. CA01 and pouring with classical means (Installing the covering made of	m3	31.800		

1	2	3	4	5	6	7
		concrete B15)				
48	CB02C	Formwork from reusable panels with short and under-short resinous wood boarding planks to pour the concrete in bearings and plates, exclusively for supporters, at heights up to 20m inclusively (Timbering the plates)	m2	226.560		
49	CB11A	Supporters with extended inventory props used for installation of the prefabricated plates, of the floor plates, when casting the slabs which are partially or totally monolith with beams or monolith beams with prefabricated slabs type PE 3100 R (Support with adjustable props - supporters)	piece	589.000		
50	CC02M	Concrete steel OB 37 fittings shaped in construction shops, with bars up to 8 mm diameter and mounted on plates, at heights less than or equal to 35 m, exclusively constructions executed with sliding formwork (Fittings class A1 d=6mm installed in plates)	kg	96.000		
51	CC02N2	Concrete steel PC 52 fittings shaped in construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork (Fittings for plates AIII d=12mm)	kg	6 002.682		
52	CA04F	Concrete poured in slabs, beams, columns, prepared with the concrete plant or bulk concrete according to art. CA01 and pouring with classical means (Concreting the belt at 3.860 point with concrete B15)	m3	2.580		
53	CB02D	Formwork from reusable panels with short and under-short resinous wood boarding planks to pour the concrete in pillars and frames, exclusively for supporters, at heights up to 20m inclusively (Timbering the belt)	m2	13.200		
54	CC02K	Concrete steel OB 37 fittings shaped in construction shops, with bars up to 8 mm diameter and mounted on beams and pillars, at heights smaller or equal to 35 m,	kg	48.600		

1	2	3	4	5	6	7
		excluding constructions executed with sliding formwork (Fittings A1 d=6mm)				
55	CC02L	Concrete steel OB 37 fittings shaped in construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork (Fittings AI d=10mm)	kg	10.710		
56	CC02L2	Concrete steel PC 52 fittings shaped in construction shops, with bars over 8 mm diameter and mounted on beams and pillars, at heights less than or equal to 35 m, excluding constructions executed with sliding formwork (Fittings AIII d=10 mm)	kg	81.444		
		Total	$			
		Total Platform Including salary				
		5. Embedded pieces Em-1, EM-2, P-1 in partitions				
57	CL57A	Assembling and fixing the ready-made pieces embedded in monolith reinforced concrete: with weight under 4 kg (Installing and fixing the embedded Em-1, EM-2, P-1)	kg	48.936		
58	CN20B	Internal or external painting applied for the metal carpentry with alkyd enamel in 2 layers, including the plaster (Painting the embedded pieces)	m2	2.447		
		Total	$			
		Total Embedded pieces Em-1, EM-2, P-1 in partitions Including salary				
		6. Metallic columns and stairs				
59	CL01A	Ready-made steel pillars, delivered fully assembled, mounted at heights up to 35 m, having up to 1t inclusively (Installation of steel columns St-8, St-9)	t	0.103		
60	CL10C	Stairs, fences, walkways, platforms, wind-protection units, grates, bars and metal structures supporting the technological equipment or metallic platforms servicing the big aggregates delivered in ready-made sub-sets, at heights up to 35 m and weight	t	0.023		

1	2	3	4	5	6	7
		up to 0.150 t, assembled by welding (Metallic stair Sc-1)				
61	IzD02B	Removing the rust with the wire brush pf metallic constructions and garments: solid beams and rails.	t	0.126		
62	IzD03C	Painting the metal garments and constructions with a layer of red lead-based paint, executed on profiles with thickness between 8 mm and 12 mm inclusively, with manual brush	t	0.126		
63	IzD04A	Painting the metal garments and constructions with oil-based paint in two layers, executed on profiles with thickness between 8 mm and 12 mm inclusively, with manual brush	t	0.126		
		Total	$			
		Total Metallic columns and stairs Including salary				

		Total	$	
		Social fund	%	
		Total		
		Transportation of materials	%	
		Semi-manufactured and storage costs	%	
		Total		
		Overhead costs	%	
		Total		
		Benefit	%	
		Total estimates: Including salary		

Compiled _____
(position, signature, name, surname)

Verified _____
(position, signature, name, surname)

Social Center in Malaesti Vechi village, Balabanesti commune, Criuleni district No. 5072-SA

(name of the site)

LOCAL ESTIMATES No 2-1-2

Social Center. Architectural solutions

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, USD	
					Per U.M. ——— incl. salary	Total ——— incl. salary
1	2	3	4	5	6	7
		1. Walls, divisions				
1	CD55A	Limestone masonry blocks for the external walls with height up to 4 m, ordinary masonry	m3	48.000		
2	CD55A	Limestone masonry blocks for the internal walls with height up to 4 m, ordinary masonry	m3	27.876		
3	CD51C	Brickwork, format 250 x 120 x 65 for dividing reinforced walls with the thickness of 1/2 bricks, and height up to 4 m	100 m2	0.376		
4	IzF14A	Sound-insulating layer between the double walls made with mineral wool plates for general insulation stuck with glue	m2	5.820		
5	CF17C	Miscellaneous - fleece layer of fiberglass applied to the surface of pre-manufactured elements from autoclaved aerated concrete, bonded with glue, including the primer layer	m2	5.820		
6	CD05C	Divisions made of plates of 590 x 240 in walls with thickness of 10 cm, without reinforcement, with limestone-cement mortar M 25-Z made with the blender on the site	m3	6.048		
7	IzF10A	Insulating layer for the terrace, roofs and plates, from mineral wool plates type G 80 or G 100, or mineral wool plates of type PIB, glued with bituminous filler on areas with a slope over 40% or vertical areas	m2	3.000		

1	2	3	4	5	6	7
		Total	$			
		Total Walls, divisions Including salary				
		2. Roof **2.1. Metallic tiles**				
8	CE41A	Assembling the spars with antiseptic treatment	m3	4.524		
9	CE40A	Installing the frame beams elements (bars) with antiseptic treatment	m3	2.946		
10	CE30B	Covers or valley roof covering from roofing tiles, Eternit type plates from rough wood resinous planks (24 mm thick), planed on one side, in ordinary constructions.	m2	330.000		
11	CN50A	Fireproof treatment of the carpentry; trusses, arches, beams, rafters, plates.	m3	10.344		
12	CN51D	Antiseptic treatment of the carpentry, on hidden areas with antiseptic paste: beams, plates.	m3	2.874		
13	CE07A	Covering from imprinted board plates for covering the roofs (Metal tile roofing)	m2	330.000		
14	CE17A	Additional polymeric layer of ondutiss type, assembled under the tile covering layer, imprinted or coiled plates (vapor barrier sheet)	m2	330.000		
15	CL17B	Various metal garments, mounted visibly: rail, grids, manhole covers, snow stops, grills (snow barriers)	kg	48.000		
16	CE31A	Fascias for eaves or gables of simply smoothed boards (19 mm thick)	m2	57.000		
17	CN17A	Painting with alkyd raisins -based paints applied on the wooden carpentry, executed with 2 layers of alkyd enamel, including the primer (Painting the eaves)	m2	57.000		
18	CE20A	Systems of brass-type ditches from anticorrosive protected board (Gutter R=50mm)	m	45.000		
19	CE22A	Systems of brass-type tubing from anticorrosive protected board (Downpipes R=100mm)	m	27.000		
		Total	$			
		Total Metallic tiles Including salary				
		2.2. Heating-insulation				
20	IzF04A	Waterproof layer made in hot conditions for the terraces, roofs	m2	207.600		

1	2	3	4	5	6	7
		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) (Vapor barrier made of bitumen mastic, applied with a brush or rubber grout)				
21	IzF11B	Heating-insulation layer on the terrace, roofs, and slabs, executed with white-stone, on horizontal areas or those with a slope of 7% (180 mm thick)	m3	37.368		
22	IzF18C	Support layer for equalization or protective insulation, including related moldings, executed with ready-made mortar cement of M150-T brand without any lime adds, leveled, on horizontal or inclined surfaces up to 40% inclusively, applied in medium thickness of 3 cm	m2	207.600		
		Total	$			
		Total Heating-insulation Including salary				
		Total	$			
		Total Roof Including salary				
		3. Carpentry Windows				
23	CK19B	Aluminum windows with one or more leafs in constructions with heights up to 35 m inclusively, having an area of the casement between 3.00 and 6,00 m2, inclusively	m2	12.228		
24	CK19B	Aluminum windows with one or more leafs in constructions with heights up to 35 m inclusively, having an area of the casement between 3.00 and 6,00 m2, inclusively	m2	4.104		
25	CK19B	Aluminum windows with one or more leafs in constructions with heights up to 35 m inclusively, having an area of the casement between 3.00 and 6,00 m2, inclusively	m2	4.104		
26	CK19B	Aluminum windows with one or more leafs in constructions with heights up to 35 m inclusively, having an area of the casement	m2	0.888		

1	2	3	4	5	6	7
		between 3.00 and 6,00 m2, inclusively				
27	CK26A	Sills assembled at the plastic windows	m	12.360		
28	CK26B	Sills assembled at the windows from aluminum (drip cap)	m	12.360		
29	CK01C	Simple wooden windows, doubled or coupled with one or a number of leafs, including wooden showcase, in constructions with heights up to 35 m inclusively, having an area of the casement over 2.5 m2 (Wooden air grids Bp1...4)	m2	4.044		
30	CN17A	Painting with alkyd raisins -based paints applied on the wooden carpentry, executed with 2 layers of alkyd enamel, including the primer (Painting the wooden air grids)	m2	7.080		
		Total	$			
		Total Carpentry. Windows Including salary				
		4. Carpentry Doors, stained glass				
31	CK03B	Wooden interior or exterior doors within one leaf, in the casement, on coating and balcony doors, including thermal and waterproof casement, assembled on the existing dowels of the constructions with height up to 35 m (Doors №1,1* made of MDF - dumb one-leaf)	m2	8.688		
32	CK21A	Doors made of aluminum 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 one leaf, with the surface of the case up to 7 m2 inclusively	m2	8.424		
33	CK03C	Wooden interior doors in two leafs, on coating and balcony doors, including thermal and waterproof casement, assembled on the existing dowels of the constructions with height up to 35 m	m2	7.614		
34	CK12A	Metallic doors manufactured from rolled iron profiles, steel-band cold-cut profiles, including necessary coat and accessories for the doors assembled in walls of any type of construction, with	m2	2.766		

1	2	3	4	5	6	7
		height up to 35 m inclusively, within one leaf, with the area of the case up to 7 m2 inclusively				
35	CN20A	Internal or external painting with oil-based paints applied on metal carpentry in 3 layers	m2	6.912		
36	CK33A	Automated device for closing the doors (Hydraulic closing device)	piece	5.000		
37	CK33C	Yalle system applied lock (Rabbeted lock)	piece	9.000		
38	CK11B	Ready-made shop windows, assembled in the masonry of any type, with the area between 7.5 - 10.0 m2 on constructions mounted at heights up to 5m inclusively, from aluminum	m2	13.554		
39	CK11B	Ready-made shop windows, assembled in the masonry of any type, with the area between 7.5 - 10.0 m2 on constructions mounted at heights up to 5m inclusively, from aluminum	m2	3.996		
		Total	$			
		Total Carpentry. Doors, stained glass **Including salary**				
		5. Flooring **5.1. Flooring of type 1**				
40	TsC53A	Earth compacting with gravel	100 m2	1.920		
41	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	156.480		
42	CG22A1	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	35.520		
43	CG22A4	Simple concrete flooring class C 10/8 (Bc 10 / B 150) in thickness of 10 cm, continuous field, leveled, poured on the site, in premises bigger than 16 m2, the plus or minus difference for every cm of poured concrete, in case of using ready-made concrete is added or subtracted (Floors of simple concrete B7.5, the difference for every minus 1 cm of concrete 2 cm are subtracted, k=2)	m2	-192.000		
44	CG01A	Supporting layer for flooring	m2	192.000		

1	2	3	4	5	6	7
		executed from cement mortar M 150 of 3 cm thickness with delicately smoothed face				
45	CG01A1	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 (k=2)	m2	-192.000		
46	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	156.480		
47	CG08A1	Plastic coatings mounted on existing support, cleaned , including PVC skirting boards in premises with areas smaller or equal to 16 m2, with PVC carpet soldered with glue	m2	35.520		
		Total	$			
		Total Flooring Type 1 Including salary				
		5.2. Flooring of type 2				
48	TsC53A	Earth compacting with gravel	100 m2	0.096		
49	CG22A1	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	9.600		
50	CG22A4	Simple concrete flooring class C 10/8 (Bc 10 / B 150) in thickness of 10 cm, continuous field, leveled, poured on the site, in premises bigger than 16 m2, the plus or minus difference for every cm of poured concrete, in case of using ready-made concrete is added or subtracted (Floors of simple concrete B7.5, the difference for every minus 1 cm of concrete 2 cm are subtracted, k=2)	m2	-9.600		
51	CG01A	Supporting layer for flooring executed from cement mortar M 150 of 3 cm thickness with delicately smoothed face	m2	9.600		
52	CG01A1	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with	m2	-9.600		

1	2	3	4	5	6	7
		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 (k=2)				
53	IzF04B	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 cardboard, glued all over with bitumen mastic (k=2)	m2	9.600		
54	CG01A	Supporting layer for flooring executed from cement mortar M 150 of 3 cm thickness with delicately smoothed face	m2	9.600		
55	CG01A1	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed surface. The minus or plus difference for every 0.5 cm of the layer of M 100-T mortar is added or is subtracted (k=2)	m2	-9.600		
56	CG17D1	Flooring from ceramic plates, including the support layer from adhesive mortar, executed on surfaces equal to or smaller than 16 m2 (Tiles on glue)	m2	9.600		
57	CI14A	Linear elements of stoneware plates applied with adhesive	m	8.640		
		Total	$			
		Total Flooring Type 2 Including salary				
		Total	$			
		Total Flooring Including salary				
		6. Internal finishing works 6.1. Ceilings				
58	CF52B	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for ceilings, manual preparation of the mortar.	m2	201.600		
59	CN53A	Coating the internal surfaces of the walls and ceilings	m2	192.000		
60	CN06A	Interior painting with paints based on vinyl copolymers in water emulsion, applied in 2 layers on the existing fillings, executed manually.	m2	192.000		

1	2	3	4	5	6	7
61	CN05E1	Interior and exterior ordinary painting executed manually with paints based on alkyd resins, applied in 1 layer, and one layer of additional painting	m2	9.600		
		Total	$			
		Total Ceilings **Including salary**				
		6.2. Walls				
62	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	441.000		
63	CI06C	Plywood glass glazed, unglazed, matte or glossy tiles of the same color and form with dimensions of 15 x 15 cm to 30 x 30, executed on flat surfaces of walls and pillars , including sills and edges , with alternating joints, in premises with an area exceeding 10 m2, fixed with adhesive for installation of plywood	m2	69.000		
64	CF50B	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for walls and dividing walls, manual preparation of the mortar.	m2	372.000		
65	CN53A	Coating the internal surfaces of the walls and ceilings	m2	372.000		
66	CN06A	Interior painting with paints based on vinyl copolymers in water emulsion, applied in 2 layers on the existing fillings, executed manually	m2	372.000		
67	CF50B	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for walls and dividing walls, manual preparation of the mortar.	m2	14.712		
68	CF61A	Continuous levelling of surface (one layer coating) with dry mixture of gypsum: plane window and doorjambs.	m2	14.712		
69	CN53A	Coating the internal surfaces of the walls and ceilings	m2	14.712		
70	CN06A	Interior painting with paints based on vinyl copolymers in water emulsion, applied in 2 layers on	m2	14.712		

1	2	3	4	5	6	7
		the existing fillings, executed manually				
		Total	$			
		Total Walls **Including salary**				
		Total	$			
		Total Internal finishing works **Including salary**				
		7. External finishing works				
71	IzF54C	External thermal insulation of buildings with fine plaster based on thermal insulators (rigid fixation systems of the thermal insulation), smooth wall surface: with plates of mineral wool with finishing exterior sills	m2	201.726		
72	CN54B	Manual application of the quartz ground “Gleta" in one layer, on the internal and external areas of the exterior walls of the facade.	m2	201.726		
73	CF30A	Exterior coating of 2-3 mm thickness, executed manually, with “TINC” mixture on the walls.	m2	201.726		
74	CI06C	Plywood glass glazed, unglazed, matte or glossy tiles of the same color and form with dimensions of 15 x 15 cm to 30 x 30, executed on flat surfaces of walls and pillars , including sills and edges , with alternating joints, in premises with an area exceeding 10 m2, fixed with adhesive for installation of plywood	m2	14.868		
75	CN54B	Manual application of the quartz ground “Gleta" in one layer, on the internal and external areas of the exterior walls of the facade.	m2	12.000		
76	CF30A	Exterior coating of 2-3 mm thickness, executed manually, with “TINC” mixture on the walls - inner sides	m2	12.000		
77	CB15A	Self-lifting metallic scaffold 2 halls (Lmax=12 m, Hmax=31m,) for ordinary works at the facade	m2	88.656		
		Total	$			
		Total External finishing works **Including salary**				
		8. Auxiliary **8.1. Entries, stairs, entrance ramp A-A, B-B, C-C л.13**				
78	TsC53A	Earth compacting with gravel	100 m2	0.311		
79	CA03F	Simple concrete, poured with	m3	5.490		

1	2	3	4	5	6	7
		classical means, in foundations, basements, support walls, under zero - elevation walls, manufactured with concrete making unit or bulk concrete art. CA01, poured with classical means, simple concrete class B15				
80	CB02A	Reusable formwork panels with short and very short wood boarding planks to pour the concrete in bearings, foundations and foundations glass and foundation equipment including support (Formwork)	m2	20.862		
81	CC03C	Assembling sealed meshes at heights lower or equal to 35 m, for plates	kg	93.258		
82.	CG01A	Supporting layer for flooring executed from cement mortar M 150 of 3 cm thickness with delicately smoothed surface	m2	31.086		
83	CG01A1	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed surface. The minus or plus difference for every 0.5 cm of the layer of M 100-T mortar is added or is subtracted (k=2)	m2	-31.086		
84	CG17D1	Flooring from ceramic plates, including the support layer from adhesive mortar, executed on surfaces equal to or smaller than 16 m2 (Tiles on glue)	m2	31.086		
85	CH06A	Current metal mine mounted on 15 cm pylons, spaced at distances of 1 .... 1.2 m provided with welded rings , fixed to a brick wall or concrete parapet, made of steel pipes D=1 1/4” and laminated steel, on the right	m	24.960		
		Total	$			
		Total Entries, stairs, and entrance ramp A-A, B-B, C-C л.13 Including salary				
		8.2. Riprap 1.5 m node 10				
86	DA06A1	Layer of natural cylinder aggregates, having the function of filtering resistance, insulation, ventilation, anti-freezing, and anti-capillary, with pebble-based manual coverage (Laying the pebble manually for a thickness of 55 mm)	m3	3.148		

1	2	3	4	5	6	7
87	DB16D	Asphalt concrete covering with big aggregates, executed in hot conditions, in thickness of 4.0 cm with manual laying	m2	57.240		
		Total	$			
		Total Riprap 1.5 m node 10 Including salary				
		8.3. Perimeter isolation (node 10 pl. 13)				
88	IzF11B	Heating-insulation layer on the terrace, roofs, and slabs, executed with white-stone, on horizontal areas or those with a slope up to 7%	m3	21.888		
		Total	$			
		Total Perimeter isolation (node 10 pl.13)) Including salary				
		Total	$			
		Total Miscellaneous Including salary				

		Total	$	
		Social fund	%	
		Total		
		Transportation of materials	%	
		Total		
		Semi-manufactured and storage costs	%	
		Total		
		Overhead costs	%	
		Total		
		Benefit	%	
		Total estimates: Including salary		

Compiled _____
(position, signature, name, surname)

Verified _____
(position, signature, name, surname)

Form No. 1
WinCmeta

Social Center in Malaesti Vechi village, Balabanesti commune, Criuleni district No. 5072-1-AC

(name of the site)

LOCAL ESTIMATES No 2-1-3

Social Center. Water supply and sewerage

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, USD	
					Per U.M. ——— incl. salary	Total ——— incl. salary
1	2	3	4	5	6	7
		1. Aqueduct A1				
1	SF50A	Water flow measuring set with outline - ϕ15mm	set	1.00		
2	SD08A	Gate valve, with flat or oval body, of cast iron, with flanges, having the nominal diameter of 50 mm (Cast iron valve d50)	piece	1.00		
3	AcA31A	Assembling through electrical welding of the flanges or linking pieces from steel, at the end of the pipes, with the diameter of 50-100 mm. (Welded steel flange ϕ50 GOST 12820-80)	piece	1.00		
4	SD07C	The passing tap with valve and plug, with or without discharge, for the steel pipe, with the diameter of 1". (Sleeve valve d25)	piece	1.00		
5	SD07A	The passing tap with valve and plug, with or without discharge, for the steel pipe, with the diameter of 1/2" (Sleeve valve d15)	piece	8.00		
6	0	Flexible hose	piece	3.00		
7	SA17D	Plastic pipe joined by poly-fusion welding, in distribution pipes (Polypropylene pipe D=50)	m	9.10		
8	SA17A	Plastic pipe joined by poly-fusion welding, in distribution pipes in dwelling and social-cultural buildings (Polypropylene pipe ϕ25)	m	1.30		
9	SA16A	Plastic pipe joined by poly-fusion welding, in columns, in dwelling and social-cultural buildings, having the diameter of 20 mm (Polypropylene pipe ϕ20)	m	15.60		

1	2	3	4	5	6	7
10	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 ϕ15)	m	19.50		
11	0	PPR Fittings 25	piece	1.00		
12	0	PPR Fittings 20	piece	8.00		
13	0	PPR Fittings 15	piece	12.00		
14	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	45.50		
15	SF05C	Washing up the hot and cold water installation, executed from plastic pipes, with the diameter of 20-75 mm	m	45.50		
16	IC42A	Supporters and devices to support the tubes, boilers, appliances and recipients, with the weight up to 2 kg / piece	kg	9.75		
17	CN20B	Internal or external painting applied for the metal carpentry with alkyd enamel in 2 layers , including the primer	m2	0.51		
18	RpIF09D	Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D=15x20 to D=54x20 mm	m	8.45		
19	RpIF09D	Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D=15x20 to D=54x20 mm	m	9.75		
20	0	Nut for closing the hydrant	piece	1.00		
21	0	Anti-fire hose Φ51	m	39.00		
		Total	$			
		Total Aqueduct A1 Including salary				
		2. Domestic hot water aqueduct				
22	SD07B	The passing tap with valve and plug, with or without discharge, for the steel pipe, with the diameter of 3/4” (Sleeve valve d20)	piece	1.00		
23	SD07A	The passing tap with valve and plug, with or without discharge, for the steel pipe, with the diameter of 1/2" (Sleeve valve d15)	piece	5.00		

1	2	3	4	5	6	7
24	SA16A	Plastic pipe joined by poly-fusion welding, in columns, in dwelling and social-cultural buildings, having the diameter of 20 mm (Polypropylene pipes ϕ20)	m	14.30		
25	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 pipes ϕ15)	m	14.30		
26	0	PPR Fittings 20	piece	7.00		
27	0	PPR Fittings 15	piece	11.00		
28	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	28.60		
29	SF05C	Washing up the hot and cold water installation, executed from plastic pipes, with the diameter of 20-75 mm	m	28.60		
30	SD04A1	Mounting the static mixing battery with swinging boom for the washbasin or sink, regardless of the switch-off model, including for disable people, with the diameter of 1/2", mounting the mixing battery with rotter on the wall (Washbasin faucet)	piece	5.00		
31	SD04A1	Mounting the static mixing battery with swinging boom for the washbasin or sink, regardless of the switch-off model, including for disable people, with the diameter of 1/2", mounting the mixing battery with rotter on the wall. (Basin mixer)	piece	1.00		
32	IC42A	Supporters and devices to support the tubes, boilers, appliances and recipients, with the weight up to 2 kg / piece	kg	9.75		
33	CN20B	Internal or external painting applied for the metal carpentry with alkyd enamel in 2 layers , including the primer	m2	0.51		
34	RpIF09D	Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D=15x20 to D=54x20 mm	m	8.45		
35	RpIF09D	Insulating the pipes with special	m	9.75		

1	2	3	4	5	6	7
		insulation collars, introduced on the pipes, with diameter and thickness from D=15x20 to D=54x20 mm				
		Total	$			
		Total Domestic hot water aqueduct Including salary				
		3. Sewerage K1				
36	SB08E	Plastic sewer pipe, combined with rubber case, surface-mounted or buried under the floor, having a diameter of 100 mm, PVC	m	40.30		
37	SB08C	Plastic sewer pipe , combined with rubber case, surface-mounted or buried under the floor, having a diameter of 50 mm, PVC	m	5.85		
38	SA38I	Bracelet for fixing the pipes for water and gas supply, from steel or PVC, flush mounted through flushing, ducts having the diameter of 4"	piece	10.00		
39	SA38F	Bracelet for fixing the pipes for water and gas supply, from steel or PVC, flush mounted through flushing, ducts having the diameter of 2"	piece	4.00		
40	SF04A	Performing the leak test and operation of sewerage pipes made of cast iron pipes for drain, polyvinyl chloride and non-plasticized tubes of light type or plastic, the iron pipe having a diameter up to 100 mm inclusively	10 m	4.62		
41	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		
42	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 Compact	piece	3.00		
43	SB09E	The connecting piece from plastic for sewerage, combined with rubber case (Inspection cap ϕ100)	piece	1.00		
44	SB09E	Linking element of plastic material for sewerage (Elbow 45*)	piece	1.00		

1	2	3	4	5	6	7
45	SC05A	Sink from sanitary semi-porcelain or porcelain, etc. including for disabled people, with the sewerage pipe of plastic material, mounted on brick walls masonry (the sink with two-positions drain trap)	piece	1.00		
		Total	$			
		Total Sewerage K1 Including salary				

		Total	$	
		Social and health insurance	%	
		Total		
		Transportation of materials	%	
		Total		
		Semi-manufactured and storage costs	%	
		Total		
		Overhead costs	%	
		Total		
		Estimate benefit	%	
		Total estimates: Including salary		

Compiled _____
(position, signature, name, surname)

Verified _____
(position, signature, name, surname)

Social Center in Malaesti Vechi village, Balabanesti commune, Criuleni district No. 5072-1-IV

(name of the site)

LOCAL ESTIMATES No 2-1-4

Social Center. Heating and ventilation

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, USD	
					Per U.M. ——— incl. salary	Total ——— incl. salary
1	2	3	4	5	6	7
		1. Construction works **1.1. Heating**				
1	IB06A	Steel radiators, mono-blocks with the length up to 1000 mm inclusively of KERMI type 22 - 500/400 or something analogous	piece	5.000		
2	IB06A	Steel radiators, mono-blocks with the length up to 1000 mm inclusively of KERMI type 22 - 500/600 or something analogous	piece	4.000		
3	IB06A	Steel radiators, mono-blocks with the length up to 1000 mm inclusively of KERMI type 22 - 500/700 or something analogous	piece	3.000		
4	IB06A	Steel radiators, mono-blocks with the length up to 1000 mm inclusively of KERMI type 22 - 500/800 or something analogous	piece	6.000		
5	IB06B	Steel radiators, mono-blocks with the length 1001 - 1500 mm of KERMI type 22 - 500/1300 or something analogous	piece	2.000		
6	ID01A	Tap with valve with double control (supply or return) for central heating installations, having the nominal diameter 3/8" -1/2” (Thermostat valve RLV straight Du15 with thermostat RA 2994)	piece	9.000		
7	ID01A	Tap with valve with double control (supply or return) for central heating installations, having the nominal diameter 3/8"	piece	21.000		

1	2	3	4	5	6	7
		-1/2” (Angle-type shut-off valve for radiator RLV D15)				
8	IC35B	Reinforced polyethylene or non-reinforced polypropylene pipe, mounted at the joints of heating devices or bodies, in central heating installations, - PPR PN10 D 20x2.8	m	81.250		
9	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, inclusively (K=1.3 for fittings from the length of the pipe)	piece	25.000		
10	IC35C	Reinforced polyethylene or non-reinforced polypropylene pipe, mounted at the joints of heating devices or bodies, in central heating installations, - PPR PN10 D 25x3.5	m	45.500		
11	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 (K=1.3, for fittings from the length of the pipe)	piece	14.000		
12	IC35D	High density reinforced polyethylene or reinforced or non-reinforced polypropylene pipe, mounted at the joints of heating devices or bodies, in central heating installations, - PPR. PN10 D 32x4.4	m	63.700		
13	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 (K=1.3, for fittings from the length of the pipe)	piece	19.000		
14	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	126.750		
15	IE03B	Performing the leakage test under pressure for the conducts supplying the heating appliances (heaters, thermo-convectors,	m	63.700		

1	2	3	4	5	6	7
		baseboard convectors, etc.) having a diameter of 1 1/4 " ... 2"				
16	RpIF09C	Insulating the pipes with special insulation collars, introduced on the pipes - Polyethylene foam 'Izoflex" ϕ22x6	m	6.500		
17	RpIF09C	Insulating the pipes with special insulation collars, introduced on the pipes - Polyethylene foam 'Izoflex" ϕ28x6	m	10.400		
18	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 57 x 3,5 mm GOST 10704-91*	m	1.950		
19	RpIF09C	Insulating the pipes with special insulation collars, introduced on the pipes - Polyethylene foam 'Izoflex" ϕ65x9	m	8.450		
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	1.950		
21	IzA06D	Anti-corrosion paint on metal carpentry, technological equipment and metal construction with alkyd enamel (one layer of priming ГФ-21 1layer and 2 layers of enamel БТ-177l)	m2	0.351		
22	ID06A.F	Airing tap with mobile key for central heating installations, having the nominal diameter 3/8mm automated de-aerator	piece	3.000		
		Total	$			
		Total Heating Including salary				
		1.2. Heating system				
23	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 32 x 2,5 mm GOST	m	2.600		

1	2	3	4	5	6	7
		10704-91*				
24	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 45 x 2,5 mm GOST 10704-91*	m	7.800		
25	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 57 x 3,5 mm GOST 10704-91*	m	24.700		
26	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	35.100		
27	IzA06D	Anti-corrosion paint on metal carpentry, technological equipment and metal construction with alkyd enamel (one layer of priming ГФ-21 1layer and 2 layers of enamel БТ-177l)	m2	6.318		
28	IC42A	Supporters and devices to support the tubes, boilers, appliances and recipients, with the weight up to 2 kg / piece	kg	3.250		
29	CN20B	Internal or external painting applied for the metal carpentry with alkyd enamel in 2 layers , including the plaster	m2	0.169		
30	RpIF09C	Insulating the pipes with special insulation collars, introduced on the pipes - Polyethylene foam 'Izoflex" ϕ35x9	m	2.600		
31	RpIF09C	Insulating the pipes with special insulation collars, introduced on the pipes - Polyethylene foam 'Izoflex" ϕ52x3	m	7.800		
32	RpIF09C	Insulating the pipes with special insulation collars, introduced on the pipes - Polyethylene foam 'Izoflex" ϕ65x9	m	24.700		

1	2	3	4	5	6	7
33	ID06A.F	Airing tap with mobile key for central heating installations, having the nominal diameter 3/8mm automated de-aerator	piece	3.000		
		Total	$			
		Total Heating system Including salary				
		1.3. Mix nodes 2 pieces				
34	SE56A1	Filter for drinking water, with threaded sleeves to be installed on the pipe, with the diameter - Sludge and cleaning filter	piece	1.000		
35	ID05C	Gate valve or valve with retainer flange for central heating installations, having the nominal diameter 80...100 mm Check valve D20mm	piece	1.000		
36	ID05C	Gate valve or valve with retainer flange for central heating installations, having the nominal diameter 80...100 mm - Control valve for bypass pressure loss	piece	1.000		
37	ID05C	Gate valve or valve with retainer flange for central heating installations, having the nominal diameter 80...100 mm - Service ball valves	piece	3.000		
38	11-03-011-01	Devices for testing the physical-chemical content of substances: device, complexity category: I (Temperature sensor)	piece	1.000		
39	IA18B	Refined fittings for the central heating boilers: hydrometer or manometer	piece	1.000		
40	IA18A	Refined fittings for the central heating boilers: thermometer (straight or corner type) with protective case or thermometer with round scale	piece	1.000		
		Total	$			
		Total Mix nodes 2 pieces Including salary				
		1.4. Boiler shop **1.4.1. Ironwork**				
41	ID04C	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter of 2” Ball valve ϕ50	piece	4.000		
42	ID04B	Passing or retaining tap with sleeves for central heating installations, Ball valve ϕ32	piece	2.000		
43	ID04A	Passing or retaining tap with sleeves for central heating installations, having the nominal	piece	3.000		

1	2	3	4	5	6	7
		diameter 1/2" -1" - Ball valve D-25				
44	ID04A	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 1/2" -1" - Ball valve D-20	piece	3.000		
45	ID04A	Passing or retaining tap with sleeves for central heating installations, having the nominal diameter 1/2" -1" - Ball valve D-15	piece	7.000		
46	ID05B	Gate valve or valve with retainer flange for central heating installations, Spring type check valve Φ50	piece	1.000		
47	ID05A	Gate valve or valve with retainer flange for central heating installations, Spring type check valve Φ32	piece	1.000		
48	ID05A	Gate valve or valve with retainer flange for central heating installations, Spring type check valve Φ15	piece	2.000		
49	ID06A.F	Airing tap with mobile key for central heating installations, having the nominal diameter 15mm (automated de-aerator ϕ15mm)	piece	3.000		
50	IA20A	Safety valve, mounted through screwing, having the nominal diameter 1/2"...1" (Safety clack valve d15 Py6,0)	piece	1.000		
		Total	$			
		Total Ironwork Including salary				
		1.4.2. Piping				
51	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 89x3.5mm GOST 10704-91*	m	1.625		
52	IC12A	Longitudinally welded or without welding black steel pipe, for constructions, assembled by welding in distribution pipes, in central heating installations for dwelling and social-cultural	m	13.520		

1	2	3	4	5	6	7
		buildings, the pipe having the external diameter and thickness of the wall of 57x3mm GOST 10704-91*				
53	IC11D	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 32x2.8mm GOST 3262-75*	m	2.275		
54	IC11C	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in columns, in central heating installations for residential and social-cultural buildings, the pipe having a diameter of 25x2.8mm, GOST 3262-75*	m	5.590		
55	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 20x2.5mm GOST 3262-75*	m	5.590		
56	IC11A	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 15x2.0mm GOST 3262-75*	m	3.120		
57	IC11A	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 15x2.0mm GOST 3262-75* galvanized	m	8.710		
58	IE06A	Preliminary pressure verification of the mounted gas pipes, including of the taps, without meters and usage devices, diameter up to 1"	m	21.710		
59	IE06B	Preliminary pressure verification of the mounted gas pipes, including of the taps, without meters and usage devices,	m	17.420		

1	2	3	4	5	6	7
		diameter over 1"				
60	IC42A	Supporters and devices to support the tubes, boilers, appliances and recipients, with the weight up to 2 kg / piece Corner 50x50x5	kg	7.352		
61	CN20B	Internal or external painting applied for the metal carpentry with alkyd enamel in 2 layers , including the plaster	m2	0.383		
62	IzH40B	Insulation with perforated cloth from glass fibers "HPST-5" of the pipes with a diameter higher than 25 mm (40mm thick)	m3	0.372		
63	IzH07A	Insulation of pipes with mineral wool mats of type SPS 1 or of glass type SPS 1, sewed with galvanized steel wires on the ready-made wire mesh, covered on one single side, having the thickness of 20; 30; 40; 50 or 60 mm, on pipes with circular line over the thermal insulation under 35 mm, inclusively (Insulating the pipes with mats M125 on the mesh from 2 sides b=40mm)	m2	5.330		
64	IzI07A1	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 up to 0.35 m, production	m2	21.339		
		Total	$			
		Total Piping Including salary				
		Total	$			
		Total Boiler shop Including salary				
		Total	$			
		Social and health insurance	%			
		Total				
		Transportation of materials	%			
		Total				
		Semi-manufactured and storage costs	%			
		Total				
		Overhead costs	%			
		Total				
		Estimate benefit	%			
		Total Construction works Including salary				
		2. Mounting works 2.1. Heating system				

1	2	3	4	5	6	7
		2.1.1. Anti-frost protection node: 1 set				
65	IA38B	Circulation (re-circulation) pump mounted on the existing pipe, through flanges, with the diameter over 2" Circulating pump, N=0.245 kw	piece	1.000		
66	ID03B	Plug valve tap with three ways, flanges with stuffing, for central heating installations, having a nominal diameter of 80 mm (Three-ways control valve with servo drive K-1.25)	piece	1.000		
67	SE56A1	Filter for drinking water, with threaded sleeves to be installed on the pipe, with the diameter - Sludge and cleaning filter	piece	1.000		
		Total	$			
		Total Anti-frost protection node: 1 set Including salary				
		Total	$			
		Total Heating system Including salary				
		2.2. Boiler shop				
68	IA14A	Boiler for preparing the heating agent (hot water 90/70 degrees), of steel, mono-block, with the caloric power of up to 70 kw (of type Therm 28 TLXZ.A5, Q=28kw with a chimney or equivalent)	piece	1.000		
69	IA14A	Boiler for preparing the heating agent (hot water 90/70 degrees), of steel, mono-block, with the caloric power of up to 70 kw (of type DUO 50 FTA, Q=50 kw with a chimney or equivalent)	piece	1.000		
70	IA41C	Pressure reducing unit for central heating installations / Hydraulic separator of type DUO Thermset 90/2	piece	1.000		
71	IA38A	Circulation (re-circulation) pump mounted on the existing pipe, through flanges, with the diameter up to 2" (50 mm), inclusively (of type TOP SD 32/7)	piece	1.000		
72	IA17A	Vertical heater mounted on the floor, the heater having the capacity up to 300 l, inclusively (Expanding vessel of type NG 50)	piece	1.000		
73	IA39B	Installation for softening the water, completely equipped, with the water flow 2251 - -5600 l/h of type XCAL 6000	piece	1.000		

1	2	3	4	5	6	7
74	IA39B	Installation for softening the water, completely equipped, with the water flow 2251 - -5600 l/h (of type XCAL 1200)	piece	1.000		
75	SE56A1	Filter for drinking water, with threaded sleeves to be installed on the pipe, with the size (Strainer D50)	piece	2.000		
76	SE56A1	Filter for drinking water, with threaded sleeves to be installed on the pipe, with the size (Strainer D32)	piece	1.000		
77	SE56A1	Filter for drinking water, with threaded sleeves to be installed on the pipe, with the size (Strainer D15)	piece	1.000		
78	IA41A	Pressure reducing unit for central heating installations, D15; R16	piece	1.000		
79	IA18B	Refined fittings for the central heating boilers: hydrometer or manometer with control tap (Thermometer of type POCMA P=6 bar)	piece	3.000		
80	IA18B	Refined fittings for the central heating boilers: hydrometer or manometer	piece	4.000		
81	ID03B	Plug valve tap with three ways, flanges with stuffing, for central heating installations, having a nominal diameter of 80mm (filler cap)	piece	4.000		
		Total	$			
		Total Boiler shop Including salary				
		2.3. Automatic system for the boiler				
82.	11-04-004-01	Wall-type device, mass from 0.15 t up to 0.2 t (Programmable regulator of type RC03)	piece	1.000		
83	11-06-001-01	Panel, mass, kg, up to: 50 (Distribution box of EST type)	piece	1.000		
84	11-03-011-01	Devices for testing the physical-chemical content of substances: device, complexity category: I (Outdoor temperature sensor of type Q01)	piece	1.000		
85	11-03-011-01	Devices for testing the physical-chemical content of substances: device, complexity category: I (Temperature sensor with cable of type SO1001)	piece	1.000		
86	11-03-001-02	Devices installed on metal constructions, panels, and	piece	2.000		

1	2	3	4	5	6	7
		switchboards: device, mass, kg, up to:10 (Interface of type IU-05, IU-04)				
87	10-04-066-04	Wall appliances: Cable doses for connection or ramification (Contactor of type LE-S20-25)	piece	1.000		
88		Terminal head BS95/7	piece	1.000		
89		Connector 2.54 TUV	piece	5.000		
		Total	$			
		Total Automatic system for the boiler Including salary				
		Total	$			
		Social and health insurance	%			
		Total				
		Transportation costs	%			
		Total				
		Semi-manufactured and storage costs	%			
		Total				
		Overhead costs	%			
		Total				
		Estimate benefit	%			
		Total Mounting works Including salary				
		3. Value of the equipment 3.1. Heating system				
90		Mix node with pumps and connection hoses	set	1.000		
		Total	$			
		Total Heating system Including salary				
		3.2. Boiler shop				
91		Boiler of type Therm 28 TLXZ.A5, Q=28kW with chimney or equivalent)	piece	1.000		
92		Boiler for preparing the heating agent of type DUO 50 FTA, Q=50kW with chimney or equivalent	piece	1.000		
93		Hydraulic separator of type DUO Thermset 90/2	piece	1.000		
94		Pump of type TOP SD 32/7	piece	1.000		
95		Expansion vessel of type NG 50	piece	1.000		
96		Installation for de-magnetization of water, completely equipped, of type XCAL 6000	piece	1.000		
97		Installation for de-magnetization of water, completely equipped, of type XCAL 1200	piece	1.000		
98		Filter ϕ50	piece	2.000		
99		Filter ϕ32	piece	1.000		
100		Filter ϕ15	piece	1.000		
101		Pressure reducer by itself D15; R16	piece	1.000		

1	2	3	4	5	6	7
102		Thermometer of type POCMA P=6bar	piece	3.000		
103		Block for assembling the thermometers on taps with 3 ways	piece	4.000		
104		Programmable regulator of type RC03	piece	1.000		
105		Distribution case of type EST	piece	1.000		
106		Outdoor temperature sensor of type Q01	piece	1.000		
107		Temperature sensor with cable of type SO1001	piece	1.000		
108		Interface of type IU-05	piece	1.000		
109		Interface of type IU-04	piece	1.000		
110		Contactor of type S20-25	piece	1.000		
		Total	$			
		Total Boiler shop Including salary				
		Total	$			
		Storage costs	%			
		Total Value of the equipment Including salary				

		Total	$	
		Total estimates: Including salary		

Compiled _____
(position, signature, name, surname)

Verified _____
(position, signature, name, surname)

Social Center in Malaesti Vechi village, Balabanesti commune, Criuleni district No. 5072-1-AGI

(name of the site)

LOCAL ESTIMATES No 2-1-5

Social Center. Internal gas network

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, USD	
					Per U.M. _____ incl. salary	Total _____ incl. salary
1	2	3	4	5	6	7
		1. Construction works **1.1. Gas supply for the boiler**				
1	ID13C	Blocking clack with valves, installed on the gas pipes (Thermal shut-off valve Φ20mm КТЗ-001-20)	piece	2.000		
2	ID12A	Tap with flanges for gas installations, with the diameter of 50 mm (Ball valve Pn 10-16, d 50 mm, КШ-50Ф)	piece	1.000		
3	ID10C	Tap with stopcock plug (cup) and connectors or plug with valves, with the body clogged with valves, for gas installations , having nominal diameter of 1" (КШ-20М)	piece	3.000		
4	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" (Gas ball valve КШК-15М)	piece	1.000		
5	AcA31A	Assembling through electrical welding of flanges (Insulating connection of flanges ϕ50mm СЗК 16.00 с. 5. 905-6)	piece	1.000		
6	IC24E	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in burning places, in gas installations for residential and social-cultural buildings, the pipe having a diameter of 2" (Pipe D 50x3,5mm	m	45.000		

1	2	3	4	5	6	7
		GOST 3262-75*)				
7	IC24B	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in burning places, in gas installations for residential and social-cultural buildings, the pipe having a diameter of 1" (Pipe Д 20x2.8mm GOST 3262-75*)	m	7.000		
8	IC24A	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in burning places, in gas installations for residential and social-cultural buildings, the pipe having a diameter of 3/4" (Pipe D 15x2.8mm GOST 3262-75*)	m	1.000		
9	IE06A	Preliminary pressure verification of the mounted gas pipes, including of the taps, without meters and usage devices, diameter up to 1"	m	8.000		
10	IE06B	Preliminary pressure verification of the mounted gas pipes, including of the taps, without meters and usage devices, diameter over 1"	m	45.000		
11	IE07A	Preliminary 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	8.000		
12	IE07B	Preliminary pressure verification of the mounted gas pipes, including of the taps, without meters and usage devices, the pipes having the diameter over 1”	m	45.000		
13	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete (Fixing the internal and external gas pipeline ϕ50mm to the wall by type UKG 13.00-05 series 5.905-8 -12 pieces)	kg	16.080		
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 the internal and external	kg	1.260		

1	2	3	4	5	6	7
		gas pipeline ϕ50mm to the wall by type UKG 13.00-01 series 5.905-8 - 3 pieces)				
15	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete (Fixing the horizontal gas pipeline Φ50 on the support of type UKG 9. 00 -02 L=700mm, D50mm c. 5. 905-8, 2 pieces	kg	15.860		
16	RpCU05E	Executing the perforation for the pipes or ties in the walls of simple concrete 16 -25 cm thickness	piece	2.000		
17	IC44B	Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, the pipe having the diameter 2 1/2" - 4" (Case through walls made of steel pipe Φ89x3mm, L=500mm by type UG 10.00-01 c.5.905-15 1piece)	piece	1.000		
18	IC44A	Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, the pipe having the diameter 1 -2” (Case through walls made of steel pipe Φ57x3mm, L=500mm by type UG 10.00-01 c.5.905-15 1piece)	piece	1.000		
19	AcA11A1	For every sub-passing cables, channels, telephony, etc. is added (pulling the pipes through the case)	piece	2.000		
20	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete (Rolling steel for fastening the gas pipeline)	kg	30.000		
21	CN20B	Internal or external painting applied for the metal carpentry with alkyd enamel in 2 layers , including the plaster (Painting the cases and the gas pipeline fixers)	m2	3.770		
22	IzA08B	Paintings on pipes, executed manually with oil-based paint on pipes with the exterior diameter over 34 mm, 2 layers of primer and 2 layers of enamel (outdoor gas pipeline)	m2	7.700		

1	2	3	4	5	6	7
23	IzA08B	Paintings on pipes, executed manually with oil-based paint on pipes with the exterior diameter over 34 mm (indoor gas pipeline)	m2	2.400		
24	IzA08B	Paintings on pipes, executed manually with oil-based paint on pipes with the exterior diameter over 34 mm, 2 layers of primer and 2 layers of enamel (blow-down gas pipeline)	m2	0.600		
		Total	$			
		Total Gas supply for boiler Including salary				
		Total	$			
		Social and health insurance	%			
		Total				
		Transportation of materials	%			
		Total				
		Semi-manufactured and storage costs	%			
		Total				
		Overhead costs	%			
		Total				
		Estimate benefit	%			
		Total Construction works Including salary				
		2. Mounting works				
25	IA44A	Volumetric gas meter of 50 or 100 m3/h mounted directly with flanges of 50 mm Gas meter G 6 T with membrane Q=0,06...10,0m3/h with electric corrector	piece	1.000		
26	IA19B	Safety valve with counter-weight, mounted through screwing, having the nominal diameter 1 1/4" or 1 1/2" (Dn 30 or Dn 40 mm) (Electro-magnetic valve D50m, M16/RM N.C)	piece	1.000		
27	IA40A	Safety device against lack of gas-air with diameter 50 mm (BAPTA 2-03A)	piece	1.000		
		Total	$			
		Social and health insurance	%			
		Total				
		Transportation costs	%			
		Total				
		Semi-manufactured and storage costs	%			
		Total				
		Overhead costs	%			
		Total				
		Estimate benefit	%			
		Total Mounting works Including salary				
		3. Value of the equipment				
28		Gas meter G 6 T with electronic	piece	1.000		

1	2	3	4	5	6	7
		corrector				
29		Normal closed blocking shutter D 50m, M16/RM N.C	piece	1.000		
30		Safety device against lack of gas-air with diameter 50 mm BAPTA 2-03A	piece	1.000		
		Total	$			
		Storage costs	1.2 %			
		Total Value of the equipment Including salary				

		Total	$	
		Total estimates: Including salary		

Compiled _____
(position, signature, name, surname)

Verified _____
(position, signature, name, surname)

Social Center in Malaesti Vechi village, Balabanesti commune, Criuleni district No. 5072-EEF/IEI

(name of the site)

LOCAL ESTIMATES No 2-1-6

Social Center. Electricity supply and lighting EEF/IEI

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, USD	
					Per U.M. / incl. salary	Total / incl. salary
1	2	3	4	5	6	7
		1. Mounting works **1.1. Boards**				
1	08-03-572-4	Command switchboard of closet-type or as distribution point type (case), mounted on the wall, with specific height and width, mm, up to 1200x1000 (Suspended switchboard BZUM-TF-01-100-01 - ЩУ size 950x650x275)	piece	1.000		
2	08-03-575-1	Device or appliance dismantled before transportation (in ЩУ)	piece	2.000		
3	08-03-600-2	Meters mounted on prepared support, with three phases (electricity meter)	piece	1.000		
4	08-01-066-1	Lightning conductor, pressure up to 10 kV (excess voltage suppressor)	set	3.000		
5	08-03-572-3	Command switchboard of closet-type or as distribution point type (case), mounted on the wall, with specific height and width, mm, up to 600x600 (Suspended distribution board ЩРн)	piece	4.000		
6	08-03-575-1	Device or appliance dismantled before transportation (Installation of switches and devices in the board)	piece	50.000		
7	08-03-603-1	Box with descending transformers (ЯТП-0,25 220/12)	piece	2.000		
8	08-03-532-4	Command post (switchboard) with buttons, common destination,	piece	4.000		

1	2	3	4	5	6	7
		mounted on construction, wall or column, quantity of the post's elements up to 3				
9	08-03-525-1	Package breaker or switcher in metal casing, mounted on the wall or column construction, quantity of the terminals for connection up to 9, power up to 25 A (Packet switch)	piece	4.000		
		Total	$			
		Total Boards Including salary				
		1.2. Lighting equipment				
10	08-03-594-3	Light fitting with luminescent lamps mounted separately on pylons, quantity of lamps in the light fitting, up to 4	100 pieces	0.530		
11	08-03-594-2	Light fitting with luminescent lamps mounted separately on pylons, quantity of lamps in the light fitting, 2	100 pieces	0.040		
12		Light fitting OPL/R 418	piece	53.000		
13		Light fitting ALS.OPL 218	piece	4.000		
14		Lamps 18W T8-18	piece	220.000		
15	10-08-003-06	Optic-(photo) electrical devices: supply and control block (Emergency power supply)	piece	22.000		
16	08-03-594-2	Light fitting with luminescent lamps mounted separately on dowels, quantity of lamps in the light fitting, 2 (with compact luminescent lamp)	100 pieces	0.190		
17		Light fitting CD 218	piece	11.000		
18		Light fitting NBT 21 F226	piece	8.000		
19		Lamps 18W 2G11	piece	22.000		
20		Lamps 26W G24d-3	piece	16.000		
21	08-03-593-1	Light fitting for incandescent lamps, suspended on hook, for premises with normal environmental conditions	100 pieces	0.010		
22		Light fitting В3Г-100	piece	1.000		
23		Fluorescent lamps	piece	1.000		
24		Light fitting PBO-42 with lamp MO42-40	piece	2.000		
		Total	$			
		Total Lighting equipment Including salary				
		1.3. Cabling				
25	08-02-146-1	Cable up to 35 kV in pipes, with applied clamps, mass 1 m up to: 0.5 kg	100 m	2.130		
26	08-02-148-1	Cable up to 35 kV in pipes, blocks, and laid-down cases, mass	100 m	10.000		

1	2	3	4	5	6	7
		1 m up to: 1 kg (cable in tube)				
27	08-02-147-1	Cable up to 35 kV installed constructions and gutters, fixed at the bends and by the end of the length, mass 1 m of cable, up to: 1 kg (cable in duct)	100 m	0.120		
28		Cables АВВГ 4x16mm2	m	15.000		
29		Cables ВВГнг-0.66 5x4.0mm2	m	5.000		
30		Cables ВВГнг-LS-0.66 2x1.5mm2	m	35.000		
31		Cables ВВГнг-LS-0.66 3x1.5mm2	m	400.000		
32		Cables ВВГнг-LS-0.66 4x1.5mm2	m	100.000		
33		Cables ВВГнг-LS-0.66 3x2.5mm2	m	350.000		
34		Cables ВВГнг-LS-0.66 5x10.0mm2	m	15.000		
35		Cables ВВГнг-FRLS-0.66 2x1.5mm2	m	50.000		
36		Cables ВВГнг-FRLS-0.66 3x1.5mm2	m	130.000		
37		Cables ВВГнг-FRLS-0.66 4x1.5mm2	m	15.000		
38		Cables ВВГнг-FRLS-0.66 3x2.5mm2	m	20.000		
39		Cables ВВГнг-FRLS-0.66 5x2.5mm2	m	25.000		
40		Cables ВВГнг-FRLS-0.66 5x4.0mm2	m	15.000		
41		Cables КВВГнг 4x1.5mm2	m	50.000		
42	08-02-412-2	Introducing conductors in metal pipes and hoses: the first conductor is mono-strand or multi-strands in joint braiding, summary section up to 6 mm2 (Wire ПВ3 1х4мм in tube)	100 m	0.500		
		Total	$			
		Total Cables Including salary				
		1.4. Mounting pieces				
43	08-02-406-1	Metallic constructions	t	0.100		
44	08-02-472-6	Grounding conductor, open, on construction supports, from steel strips, section 100 mm2 (25x4mm)	100 m	0.300		
45	08-02-472-7	Grounding conductor, open, on construction supports, from steel strips, section 160 mm2 (40x4mm)	100 m	0.180		
46	08-02-472-5	Conductor for earthing, masked in a leveling ground flooring, from	100 m	0.350		

1	2	3	4	5	6	7
		steel bands, diameter 12 mm (d=20mm)				
47		ЗАН-16/35/1000 (РА1000)	piece	1.000		
48		КАМ-4000 (СА1500/2000)	piece	2.000		
49		ЗСГП-135-120	piece	4.000		
50		КФК-12	piece	1.000		
51		F 2007	m	1.000		
52		СГ-20	piece	1.000		
53		CSB	piece	5.000		
54	08-02-409-1	Viniplast pipe on installed constructions, on walls and columns, fixing with clamps, diameter up to 25 mm	100 m	10.000		
55		Vinyplast pipe D=25 mm	m	350.000		
56		Vinyplast pipe D=20 mm	m	550.000		
57		Vinyplast pipe D=16 mm	m	100.000		
58	08-02-397-1	Perforated profile for mounting, length 2 m	100 pieces	0.060		
59	08-02-407-1	Steel pipe on installed constructions on walls fixing with clamps, diameter up to 25 mm	100 m	0.500		
60		Steel pipe D=20mm	m	50.000		
61	08-03-591-2	Switcher with one flap, unburied type, for concealed installation (IP20 ВС10-1-0-ГБ)	100 pieces	0.110		
62	08-03-591-5	Switcher with two flaps, unburied type, in concealed installation (IP20 ВС10-2-0-ГБ)	100 pieces	0.110		
63	08-03-591-1	Switcher with one flap, unburied type, in open installation (ВС20-1-0-ГБ IP44)	100 pieces	0.090		
64	08-03-591-9	Single-pole pocket of unburied type, in concealed installation (IP20 РС10-3-ГБ)	100 pieces	0.370		
65		Assembling box d=65x40 КМ40002	piece	50.000		
66		Assembling box d =141x70x45 КМ40007	piece	10.000		
67		Assembling box d=212x70x45 КМ40009	piece	5.000		
68		КОР-73	piece	30.000		
69		ЩУДП	piece	1.000		
		Total	$			
		Total Mounting pieces Including salary				
		Total	$			
		Social Insurance	%			
		Total				
		Transportation costs	%			
		Total				
		Semi-manufactured and storage costs	%			
		Total				
		Overhead costs	%			

1	2	3	4	5	6	7
		Total				
		Estimate benefit	%			
		Total Mounting works Including salary				
		2. Value of the equipment				
70		Box BZUM-TF-01-100-01	piece	1.000		
71		Power disconnecting device BP 32-31 100A	piece	1.000		
72		Power disconnecting device 3 p 32A, ABB XLP000-6CC	piece	1.000		
73		Meter 380/220B, 10-100A ZMG 310 CR	piece	1.000		
74		Power switch ОПН-0.38	piece	3.000		
75		Box ЩРн-12з-0 74 IP54 dim.240x330x120mm	piece	1.000		
76		Box ЩРн-18з-1 36 IP31 dim 265x440x120mm	piece	2.000		
77		Box ЩРн-36з-1 36 IP31 dim 540x310x120mm	piece	1.000		
78		Automat 3p ВН-32 3P 63A	piece	3.000		
79		Automat 3p ВА47-29, 10A(C)	piece	2.000		
80		Automat 3p ВА47-29, 5A(C)	piece	3.000		
81		Automat 1p ВА47-29, 2A(C)	piece	3.000		
82.		Automat 1p ВА47-29, 10, 16A(B)	piece	10.000		
83		Automat 1p ВА47-29, 1, 5A(B)	piece	7.000		
84		Separator РН-47	piece	1.000		
85		Automat 2p UZO АВДТ 32/С16, 10А 30мА	piece	9.000		
86		КМИ-10910	piece	4.000		
87		РТИ-1304, 1307, 1308	piece	4.000		
88		ПКИ-11	piece	4.000		
89		ПКЕ-722-2	piece	4.000		
90		Automat 2p . ПВ2-10	piece	1.000		
91		Automat 4p ПВ4-10	piece	3.000		
92		Reserve power supply К-303	piece	22.000		
		Total	$			
		Semi-manufactured and storage costs	%			
		Total Value of the equipment Including salary				

		Total	$	
		Mounting works		
		Value of the equipment		
		Total estimates: Including salary		

Compiled _____
(position, signature, name, surname)

Verified _____
(position, signature, name, surname)

Social Center in Malaesti Vechi village, Balabanesti commune, Criuleni district No. 5072-SIP

(name of the site)

LOCAL ESTIMATES No 2-1-7

Social Center. Fire warning and guard.

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, USD	
					Per U.M. _____ incl. salary	Total _____ incl. salary
1	2	3	4	5	6	7
		1. Mounting works				
1	10-08-001-01	Receiver-devices: Reception and control devices “ПС”, for starting. Concentrator: main block for 10 flashes (PC1832 for 8 areas)	piece	1.000		
2	10-08-003-06	Optic-(photo) electrical devices: supply and control block (Reserve power supply)	piece	1.000		
3	08-01-121-1	Stationary acid battery, type: C-1, CK-1	piece	1.000		
4	10-06-034-05	Different works: Box for telephone cables (loading and installation), capacity: up to 50x2, the cover of the cable from plastic (Box PC 500E)	piece	1.000		
5		Board lock	piece	1.000		
6	10-04-101-04	Subscription equipment and diverse devices: Subscriber transformer, intensity up to 25 W, mounted on the brick or concrete wall	piece	1.000		
7	10-01-039-06	Different pieces: Relay, key, button and other, with preparation of the assembling place (Relay module PM1)	piece	1.000		
8	10-04-001-02	Telegraphic - telephonic emitter on non-authorised short band, capacity kW: 1 (Radio transmitter MAT)	set	1.000		
9	10-08-002-02	Automated alarms “ПС”: smoke, photo-electric, radio-isotopes, light in normal execution (Warning ИПР)	piece	4.000		

1	2	3	4	5	6	7
10	10-06-026-01	Laying the cable in the underground sewerage, mass 1 m cable, kg, up to: 1 (Cable in tubes, ducts)	km	0.250		
11	10-01-055-03	Laying the cable and conductor on walls: Cable, mass 1 m up to 1 kg, on the wall: concrete (Cable on wall)	100 m	1.050		
12		Cable COR-4э 4x0.22mm2	m	350.000		
13		Cable ШШПП 2x0.5mm2	m	5.000		
14	08-02-406-1	Metallic constructions	t	0.001		
15	10-04-066-06	Wall appliances: studio or corridor warning switchboard (Sirens)	piece	4.000		
16	10-06-034-15	Different works: Protection of the cable with metallic gutters, on concrete walls (Plastic duct 10x22mm)	m	250.000		
17	10-08-002-01	Automated alarms "ПС": thermal electro-contact, magnetic contact in normal execution (heat sensor)	piece	2.000		
18	10-08-002-02	Automated alarms "ПС": smoke, photo-electric, radio-isotopes, light in normal execution (fire and smoke sensor)	piece	30.000		
19	10-08-003-09	Optic-(photo)electrical appliances: regulating reflector (movement sensor)	piece	1.000		
20	10-08-002-04	Automated alarms "ОС" : contact, magnetic contact when opening the windows, doors (magnetic contact sensor)	piece	1.000		
21	10-08-002-05	Automated alarms "ОС": of contact - hitting, without contact electro-magnetic or piezoelectric, installed on glass (glass integrity sensor)	piece	1.000		
		Total	$			
		Social Insurance	%			
		Total				
		Transportation costs	%			
		Total				
		Semi-manufactured and storage costs	%			
		Total				
		Overhead costs	%			
		Total				
		Estimate benefit	%			
		Total Mounting works Including salary				
		2. Value of the equipment				
22		Control board for 8 areas PC1832	piece	1.000		
23		Reserve supply block AWZ 200A, 2Ач	piece	1.000		

1	2	3	4	5	6	7
24		Accumulator 12 W, 7Ач	piece	1.000		
25		Relay module PM1	piece	1.000		
26		Radio transmitter MAT	set	1.000		
27		Signalizing device ИПР	piece	4.000		
28		Siren	piece	4.000		
29		Heat fire warning	piece	2.000		
30		Smoke fire warning	piece	30.000		
31		Movement sensor	piece	1.000		
32		Contact sensor	piece	1.000		
33		Window integrity sensor	piece	1.000		
		Total	$			
		Semi-manufactured and storage costs				
		Total Value of the equipment Including salary				

		Total		
		Mounting works		
		Value of the equipment		
		Total estimates: Including salary		

Compiled _____
(position, signature, name, surname)

Verified _____
(position, signature, name, surname)

Social Center in Malaesti Vechi village, Balabanesti commune, Criuleni district No. 5072-AGE

(name of the site)

LOCAL ESTIMATES No 2-1-8

External gas network (low pressure)

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, USD	
					Per U.M. _____ incl. salary	Total _____ incl. salary
1	2	3	4	5	6	7
		1. Underground gas pipeline **1.1. Earthworks**				
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 in the storage of ground cat. II	100 m3	0.32		
2	TsA20B	Manual digging of land, in breakers, with canal embankment dug with the excavator or scraper for completing the cutting slopes, in middle ground (Manual revision)	m3	0.96		
3	TsD02A1	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 15-20 cm (Backfill)	100 m3	0.24		
4	TsD05A	Compacting 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 non-cohesive ground (Compacting)	100 m3	0.24		
5	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 middle ground (Manual backfill with	m3	2.70		

1	2	3	4	5	6	7
		compacting)				
6	TsC19B1	Mechanic digging with bulldozer on the crawler 81-180 HP, including the pushing of the ground up to 10m, in ground of category II (Ground leveling)	100 m3	0.05		
		Total	$			
		Total Earthworks Including salary				
		1.2. Pipes				
7	GD52A	Polyethylene pipe for the distribution pipe, mounted in ditch, with diameter up to 63 mm PE 80 SDR 11 ϕ 50x4.6	m	38.00		
8	GC01A	Preliminary sealing testing for joining, executed with air on Pn5, for pipes with Dn 50 mm	1 km	0.04		
9	GC03A	Resistance and regime testing, executed with air, with motor-compressor for checking the sealed joins and fittings, for steel pipes of Dn 50 mm	1 km	0.04		
10	GD54A	Combining through electro-fusion welding the pipe and the fitting (sleeve, T-bend, bend) from polyethylene (Sleeve ϕ50 PE100 SDR11)	piece	2.00		
		Total	$			
		Total Pipes Including salary				
		1.3. Node UPG-6				
11	TsA02A	Manual excavation of land in confined spaces , having under 1.00m or over 1.00 m in width, made without support, with sloping embankment foundations , channels, basements, stairs, in non-cohesive or poorly cohesive land, up to 0.75 m light ground (Manual excavation)	m3	0.60		
12	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 (manual backfill)	m3	0.40		
13	GD09A1	Aerators with caps, assembled alongside the pipes with Dn 1"-2” when assembling (Ковер)	piece	2.00		
14	CA02B	Simple concrete poured in equalization, slopes, and digs, at the height of 35 m inclusively, prepared with concrete plant, and poured with classical means of	m3	0.16		

1	2	3	4	5	6	7
		concrete Class C 10/8 (Bc 10/B 150) (Concrete B12,5 and cushions 5.905-6 C3K20.01)				
15	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete (Carcass, circle d6)	kg	4.20		
16	CN20B	Internal or external painting applied for the metal carpentry with alkyd enamel in 2 layers , including the plaster	m2	0.22		
17	GA07A	De-aerators for channeling gas leaks under 50 mm, Control pipe UPG-25	piece	2.00		
18	DA06A1	Layer of natural cylinder aggregates, having the function of filtering resistance, insulation, ventilation, anti-capillary, with ballast-based manual coverage (asphalt concrete blind area)	m3	0.12		
		Total	$			
		Total Node UPG-6 Including salary				
		1.4. Node UPG-17-3				
19	GA08A	Protection tube for the iron pipe, mounted in the ditch, when crossing the roads, for the protection of the pipe, the tube having the Dn 100 mm Case of metallic pipes D=100mm, L=1000mm, 1 piece	m	1.00		
20	AcA11B1	Passing the pipes through the case	piece	1.00		
21	CA02B	Simple concrete poured in equalization, slopes, and digs, at the height up to 35 m inclusively, prepared with concrete plant, and poured with classical means of concrete Class C 10/8 (Bc 10/B 150) (Concrete B12.5)	m3	0.01		
22	GD04A	Ramification combination through welding with oxyacetylene flame and with electrical spring, of pipes with D 15 mm (Connecting branch of steel pipe ϕ15, L=50mm with cap)	m	0.05		
23	08-03-545-1	Box with clips for cables and leads, sections up to 6 mm2 , mounted on the wall or column construction, quantity of clips: 10	piece	1.00		
24	CL18A	Diverse metallic confections from rolled profiles, plate, checker	kg	0.50		

1	2	3	4	5	6	7
		plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete (Rack, corner 40x40)				
25	CN20B	Internal or external painting applied for the metal carpentry with alkyd enamel in 2 layers , including the plaster	m2	0.21		
26	GD52A	Polyethylene pipe for the distribution pipe, mounted in ditch, with diameter up to 63 mm PE 80 SDR 11 ϕ 50x4.6	m	1.50		
27	IC24B	Longitudinally welded black steel pipe, for installations, non-threaded, assembled by welding in burning places, in gas installations for residential and social-cultural buildings, Pipe GOST 3262-75* ϕ40mm	m	0.50		
28	GD54A	Combining through electro-fusion welding the pipe and the fitting (sleeve, T-bend, bend) from polyethylene (Sleeve ϕ50 PE100 SDR11)	piece	1.00		
29	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 (Polyethylene - steel transition D50x40mm)	piece	1.00		
30	ID10E	Tap with stopcock plug (cup) and connectors or plug with valves, with the body clogged with valves, for gas installations , having nominal diameter of 2" (Continuous coupling cork tap 11ч3бк, ϕ 50mm)	piece	1.00		
		Total	$			
		Total Node UPG-17-3 Including salary				
		Interconnection with the existing gas pipe				
31	TsA02B	Manual excavation of land in confined spaces , having 1.00m or more in width, made without support, with sloping embankment foundations, channels, basements, drainers, stairs in non-cohesive or poorly cohesive land, depth up to 0.75 m middle ground	m3	2.93		
32	AcF03A	Fillings in the trenches of the pipes for water supply or sewerage, as substrate,	m3	2.90		

1	2	3	4	5	6	7
		protection layer, insulating layer or filtering layer for the drainage tubes, made with sand (Filling in with sand)				
33	TsC19B1	Mechanic digging with bulldozer on the crawler 81-180 HP, including the pushing of the ground up to 10m, in ground of category II (Levelling the exceeding ground k=0.85)	100 m3	0.03		
34	GD14B.1	Ramification of the branch pipes, with the D: 2 1/2"- 3" Insetting in the existing gas pipe network	piece	1.00		
35	GD12A	Linking the new pipe with the operating network	piece	1.00		
		Total	$			
		Total Interconnection with the existing gas pipe Including salary				
		1.6. Assembling the tap d 32 - 1 piece UPG-21-3				
36	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	7.77		
37	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - elevation walls, manufactured with concrete making unit or bulk concrete according to art.CA01, pouring with classical means, simple concrete class B 7.5	m3	0.01		
38	CD50I	Brickwork, format 250 x 120 x 65 for the walls of the unloading halls and channels	m3	0.34		
39	CP10B	Assembling the pre-manufactured elements of reinforced concrete on residential or social-cultural buildings with the structure from monolith reinforced concrete, mixed or bearing masonry, with height up to 20 m inclusively, with volume from 0.2-2.5 m3	piece	1.00		
40	AcE07A	Mounting iron or iron-concrete covers without the support element, at the manholes of the water and sewerage supply installations, type I not-carriageable	piece	1.00		
41	DA06A1	Layer of natural cylinder aggregates, having the function of	m3	0.37		

1	2	3	4	5	6	7
		filtering resistance, insulation, ventilation, anti-capillary, with ballast-based manual coverage				
42	DA16A	Foundation of rubble stone pitching, covered for equalization, with one layer of stone 6 cm thick after compacting, everything laid on a sub-layer of ballast of 5 cm thick after compacting	m2	3.08		
43	IzF04F	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% or vertical ones, flat or curved , with bitumen putty or bitumen with rubber adds, applied with the brush or rubber plate (wall plate)	m2	4.30		
44	GD54A1	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 For combining the taps of polyethylene (Ball valve d 32, Thermistor sleeve D 32 - 2 pieces, Assembling set - 1 piece)	piece	1.00		
45	DF18B	Planning the reinforced concrete pillars for industrially-manufactured road traffic signs	piece	4.00		
		Total	$			
		Total Assembling the tap d 32 - 1 piece UPG-21-3 Including salary				
		1.7. Insulation				
46	IzA10B	Cleaning the surface of the flat black board with wire brush and sand paper for applying anti-corrosive protection with white spirit	m2	1.10		
47	IzL02A	Anti-corrosive insulation executed manually on steel pipes with external protection made of glass fiber mat, with ordinary insulation	m2	1.10		
		Total	$			
		Total Insulation Including salary				
		Total	$			
		Total Underground gas pipeline Including salary				

1	2	3	4	5	6	7
		Total	$			
		Social and health insurance	%			
		Total				
		Transportation of materials	%			
		Total				
		Semi-manufactured and storage costs	%			
		Total				
		Overhead costs	%			
		Total				
		Estimate benefit	%			
		Total estimates: **Including salary**				

Compiled _____

(position, signature, name, surname)

Verified _____

(position, signature, name, surname)

Social Center in Malaesti Vechi village, Balabanesti commune, Criuleni district No. 5072-REAC

(name of the site)

LOCAL ESTIMATES No 2-1-9

External network of water supply and sewerage

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, USD	
					Per U.M. _____ incl. salary	Total _____ incl. salary
1	2	3	4	5	6	7
		1. Construction works **1.1. Aqueduct** **1.1.1. Earthworks**				
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	0.460		
2	TsA20B	Manual digging of land, in breakers, with canal embankment dug with the excavator or scraper for completing the cutting slopes, in middle ground.	m3	1.310		
3	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	2.210		
4	TsD02A1	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 15-20 cm (Mechanical backfill)	100 m3	0.320		
5	TsD05A	Compacting 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 non-cohesive ground (Mechanized	100 m3	0.320		

1	2	3	4	5	6	7
		compaction)				
6	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 (Manual backfill)	m3	7.910		
7	TsD04B	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 cohesive ground	m3	7.910		
8	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, ground cat. II (k=0.85)	100 m3	0.080		
9	TsI50A5	Transportation of the ground with the dumper at a distance of 5 km	t	14.770		
10	TsC50B	Repairing and maintaining the natural roads when transporting the soil, for every 0.5 km, field category II (for 1 km with K=2)	100 m3	0.080		
11	TsC51B	Works for unloading the soil in the storage, field category II	100 m3	0.080		
		Total	$			
		Total Earthworks				
		1.1.2. Pipelines				
12	AcA53A	Assembling the fittings through electro-fusion. Combining through electro-fusion welding the pipes and the polyethylene fittings (sleeve, T-bend, bend) (Saddle tee ϕ50xϕ50)	piece	1.000		
13	AcB01A	Assembling the fitting with manual or mechanic triggering (valves, taps, faucets) on the water supply or sewerage pipes, with the diameter 50-100 mm (Manual triggering valve D= 50mm P=10bar)	piece	1.000		
14	AcA31A	Assembling through electrical welding of the flanges or linking pieces from steel, at the end of the pipes, with the diameter of 50-100 mm. (Welded neck flange ϕ50)	piece	1.000		
15	AcA26A	Combining the flanges of the linking pieces, flanges, including the blind flanges and fittings, with the diameter 50-100 mm (plain	piece	1.000		

1	2	3	4	5	6	7
		end flange ϕ50)				
16	IC44B	Manufacturing, mounting, and cementing the protection pipe when the pipes go through the walls, the pipe having the diameter 2 1/2" - 4 (Sleeve L=0.2 ϕ150)	piece	1.000		
17	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - elevation walls, manufactured with concrete making unit or bulk concrete according to art.CA01, poured with classical means, simple concrete class (Concrete volume B20 for support)	m3	0.050		
18	AcA52A	Polyethylene pipe for water supply, mounted in ditch, with diameter 20, 25, 32, 40, 50, 63 mm. / Polyethylene pressure water pipe D50	m	42.000		
19	AcF11C	Washing the PVC, cast iron, asbestos-cement, polyethylene, etc. pipes 20-75 mm, for drinking water, after assembling and joining them, before reception	m	42.000		
20	AcF12A	The pressure-test for the polyethylene pipes mounted in channels for the water and sewerage supply, with diameter up to 100 mm	m	42.000		
21	AcA08A	Assembling in the ground, outside the building, the PVC pipes of 9m, sealed with rubber fittings, with the diameter 160 mm	m	23.000		
22	AcE51C	Connection with the existing tube of steel pipes (with nozzle), with the diameter of the nozzle of 100 mm - Connecting the designed pipe ϕ50x50	piece	2.000		
23	RpAcA49A	Dismantling the steel pipes, assembled by welding, with the diameter of 50 mm	m	26.000		
		Total	$			
		Total Pipelines Including salary				
		1.1.3. Pre-manufactured elements for manholes				
24	AcE11A	Executing the manholes from the reinforced concrete pre-manufactured elements, for circular (ting-type) water supply, with diameter of 1,5 m, in the	m3	1.470		

1	2	3	4	5	6	7
		field without underground water				
25	AcE11A1	Reinforced concrete pre-manufactured elements of the manholes, circular (ring-type) with diameter of 1.5 m, for water supply, in the field without underground water.	piece	1.000		
26	CN20B	Internal or external painting applied for the metal carpentry with alkyd enamel in 2 layers , including the plaster	m2	2.420		
27	DA06A1	Layer of natural cylinder aggregates, having the function of filtering resistance, insulation, ventilation, anti-capillary, with ballast-based manual coverage)ballast 10 cm thick)	m3	0.380		
28	DB16A	Asphalt concrete covering with small aggregates, executed in hot conditions, in thickness of 2.5 cm with manual laying	m2	3.080		
		Total	$			
		Total Pre-manufactured elements for manholes				
		Total	$			
		Total Aqueduct Including salary				
		1.2. Sewerage 1.2.1. Earthworks				
29	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	0.110		
30	TsA20B	Manual digging of land, in breakers, with canal embankment dug with the excavator or scraper for completing the cutting slopes, in middle ground	m3	0.330		
31	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	0.460		
32	TsD02A1	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 15-20 cm (Mechanical backfill)	100 m3	0.070		
33	TsD05A	Compacting with the mechanical knocker of 150-200 kg filling in	100 m3	0.070		

1	2	3	4	5	6	7
		the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from non-cohesive ground (Mechanized compaction)				
34	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 (Manual backfill)	m3	1.710		
35	TsD04B	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 cohesive ground	m3	1.710		
36	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, ground cat. II	100 m3	0.030		
37	TsI50A5	Transportation of the ground with the dumper at a distance of 5 km	t	4.780		
38	TsC50B	Repairing and maintaining the natural roads when transporting the soil, for every 0.5 km, field category II (for 1 km with K=2)	100 m3	0.030		
39	TsC51B	Works for unloading the soil in the storage, field category II	100 m3	0.030		
		Total	$			
		Total Earthworks Including salary				
		1.2.2. Pipelines				
40	AcA08A	Assembling in the ground, outside the building, the PVC pipes of 9m, sealed with rubber fittings, with the diameter 160 mm SN4 SDR41	m	13.000		
		Total	$			
		Total Pipelines Including salary				
		1.2.3. Pre-manufactured elements for manholes				
41	AcE13A	Executing the manholes from the reinforced concrete pre-manufactured elements, for sewerage, circular (ring-type) with diameter of 1,0 m, in the field without underground water	m3	0.540		
42	AcE13A1	Reinforced concrete pre-manufactured elements of the manholes, circular (ring-type)	piece	1.000		

1	2	3	4	5	6	7
		with diameter of 1.0 m, for sewerage, in the field without underground water.				
43	DA06A1	Layer of natural cylinder aggregates, having the function of filtering resistance, insulation, ventilation, anti-capillary, with ballast-based manual coverage (ballast 10 cm thick)	m3	0.308		
44	DB16A	Asphalt concrete covering with small aggregates, executed in hot conditions, in thickness of 2.5 cm with manual laying	m2	3.080		
		Total	$			
		Total Pre-manufactured elements for manholes Including salary				
		Total	$			
		Total Sewerage Including salary				
		Total	$			
		Social and health insurance	%			
		Total				
		Transportation of materials	%			
		Total				
		Semi-manufactured and storage costs	%			
		Total				
		Overhead costs	%			
		Total				
		Estimate benefit	%			
		Total Construction works Including salary				
		2. Value of the equipment				
45		Power-pump of type Tohatsu V20D2s Q=39.0m3/h, H=50.0m	piece	1.000		
		Total	$			
		Storage costs				
		Total Value of the equipment Including salary				

		Total	$	
		Total estimates: Including salary		

Compiled _____
(position, signature, name, surname)

Verified _____
(position, signature, name, surname)

Form No. 1
WinCmeta

Construction works for the roof framing and the food preparing block with adjacent premises in Gymnasium from Roscani village, Anenii Noi district

(name of the site)

LOCAL ESTIMATES NO 7

Repairing works

No.	Symbol of the norm and resource code	Works and expenses	U.M.	Quantity according to the design data	Estimate value, USD	
					Per U.M. _____ incl. salary	Total _____ incl. salary
1	2	3	4	5	6	7
		1. Chapter 1 Repairing works **1.1. Roof**				
1	RpCI42B	Removing the roof elements - roofing boards, asbestos-cement, PVC, cardboard , canvas , reeds , etc., including clipping the recoverable board	m2	993.00		
2	RpCH32C	Removing the wooden floors and roof elements - deck roof covering with or without recovery of materials	m2	993.00		
3	RpCH32F	Removing the wooden boards and roof elements - dormers and hatches	piece	1.00		
4	RpCB18E	Demolishing the old concrete with manual means, pre-manufactured plates with the thickness over 15 cm	m3	2.30		
5	RpCP44A	Dismantling the metallic constructions with recovery of materials	kg	450.00		
6	TsG01A	Waste collecting	100 m2	9.87		
7	TsH92B	Loading the trucks with soil (land) with stones and boulders	t	56.80		
8	TsI50A5	Transportation of the ground with the dumper of 5 t at a distance of 5 km	t	12.00		
9	IzD10C	Anticorrosive painting with the manual brush of the metallic garments and constructions with	t	9.75		

1	2	3	4	5	6	7
		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				
10	CE30A	Covers or valley roof covering from roofing tiles, Eternit type plates from rough pine wood planks (232 mm thick), in ordinary construction. The standards of the resources with value 0 (zero) = 0.016 m3/m2	m2	993.00		
11	CN50A	Fireproof treatment of the carpentry; trusses, arches, beams, rafters, plates.	m3	9.73		
12	CN51D	Antiseptic treatment of the carpentry, on hidden areas with antiseptic paste: beams, plates.	m3	9.73		
13	CE17A	Additional polymeric layer of ondutiss type, assembled under the tile covering layer, imprinted or coiled plates	m2	993.00		
14	CE06A	Anticorrosive protected and profiled board covers, curled or wrinkled, mounted on metal blades, executed on areas wider than 40 m2 with sheets of profiled board with fastening clasps and special mechanical screw, on the top flange, including the execution of valleys, aprons, connections to baskets etc.	m2	993.00		
15	RpCI42B	Removing the roof elements - roofing boards, asbestos-cement, PVC, cardboard , canvas , reeds , etc., including clipping the recoverable board	m2	6.00		
16	CE42A	Execution of dormers	piece	2.00		
17	RpCH31B	Installing and dismantling of scaffolding for construction works - tubular metal scaffold for interior and exterior works over 7 m height, executed from round pole bowls, including the protection gutter from PFL or the protection net with all the catching materials, anchoring and making more rigid the scaffold of construction elements	m2	236.00		
18	CE32A	Wooden resinous rulers laid alongside the pre-manufactured	m2	236.00		

1	2	3	4	5	6	7
		reinforced concrete or metallic truss frames, for coverings of burnt tiles, plane plates of Eternit type, for the roofs with rough revetment, including the catching device				
19	CK05A	Wooden French windows with or without over-light, fitted on existing dowels composed of fixed boards and door leafs in constructions with heights up to 35 m Windows for airing	m2	6.00		
20	CK17G	Paneling the walls, executed on the site in quantities of over 10 square meters from (profiled board) profiles	m2	236.00		
21	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	236.00		
22	CE31C	Clogged eaves without apparent consoles from pinewood planks folded and smoothed on one part, with an average width of 0.4 m	m2	62.00		
23	CN16D	Painting with oil-based paints and lacs applied on the carpentry, executed with 2 layers of enamel for decking	m2	62.00		
24	CE17A	Additional polymeric layer of ondutiss type, assembled under the tile covering layer, imprinted or coiled plates (layer for vapors' diffusion)	m2	723.00		
25	IzF10A	Insulating layer for the terrace, roofs and plates, from mineral wool plates type G 80 or G 100, or mineral wool plates of type PIB, glued with bituminous filler on areas with a slope over 40% or vertical areas (mineral wool th. 150 mm with density 90 kg/m3) material resources are excluded - filler, bitumen, fire wood, bitumen melting device	m2	723.00		
26	CE17A	Additional polymeric layer of ondutiss type, assembled under the tile covering layer, imprinted or coiled plates (layer for vapors' diffusion)	m2	723.00		
27	RpCK01G	Repairing the support layer for the flooring executed from blind decking made of rough resinous	m2	120.00		

1	2	3	4	5	6	7
		planking, 24 mm thick, fixed in resinous rulers of 50x80 mm, the rulers will be placed at a distance of about 60 cm				
28	CE20A	Systems of brass-type ditches from anticorrosive protected board	m	90.00		
29	CE22A	Systems of brass-type tubing from anticorrosive protected board	m	121.00		
		Total	$			
		Total Roof **Including salary**				
		1.2. Restoring the facade				
30	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	640.00		
31	RCsE39D	Remaking the protection of the dilatation joints, with profiles from galvanized steel plates with width of 30-50 cm, with anti-fire profiles (after profiles from galvanized steel plates with mineral wool core)	m	186.00		
32	RCsE20B	Sealing the horizontal joints between the large, external panels on the facade, made with strips of cement mortar with glue addition	m	186.00		
33	RpCJ40A	Making even the plastering of the facade on the self-joins: smooth facades (the self-joins are excluded)	m2	180.00		
34	CN54B	Manual application of the quartz ground “Gleta" in one layer, for the exterior walls of the facade.	m2	640.00		
35	CN11A1	Exterior painting with paints based on vinyl copolymers in water emulsion, applied in 3 layers on the facade executed on the existing sill, executed mechanically	m2	640.00		
		Total	$			
		Total Restoring the facade **Including salary**				
		1.3. Repairing the canteen **1.3.1. Ceilings**				
36	CK29F	Suspended ceiling from pre-manufactured panels "Armstrong", including the system-grid	m2	153.43		
37	RpCR29A	Removing the oil-based paint, with remover substance	m2	52.71		

1	2	3	4	5	6	7
38	CN53A	Coating internal surfaces of the walls and ceilings	m2	52.71		
39	CF52A	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for the ceiling, mechanical preparing of the mortar	m2	52.71		
40	CF53A	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for the ceiling, mechanical preparing of the mortar The plus or minus difference for every 1.0 mm (is added or extracted for art. 52) k=3	m2	52.71		
41	CN53A	Coating internal surfaces of the walls and ceilings	m2	52.71		
42	CF57A	Manual application of the gypsum-based putty "Eurofin" thickness 1.0 mm on the ceilings', walls' and columns' surfaces.	m2	52.71		
43	CN53A	Coating internal surfaces of the walls and ceilings	m2	52.71		
44	CN06A	Interior painting with paints based on vinyl copolymers in water emulsion, applied in 2 layers on the existing fillings, executed manually, washable latex	m2	52.71		
		Total	$			
		Total Ceilings **Including salary**				
		1.3.2. Walls				
45	RpCR29A	Removing the oil-based paint, with remover substance	m2	222.00		
46	RpCM33A	Dismantling the plates of floor tiles, ceramics, and pottery	m2	85.00		
47	CN53A	Coating internal surfaces of the walls and ceilings	m2	306.00		
48	CF15A	Exterior plastering trowel, executed in cement mortar M 100-T of 2 cm average thickness, for walls from concrete or bricks, with plain surfaces	m2	144.00		
49	CF61A	Continuous levelling of surface (one layer coating) with dry mixture of gypsum: plane window and doorjambs.	m2	130.00		
50	CN53A	Coating internal surfaces of the walls and ceilings	m2	130.00		
51	CF57A	Manual application of the gypsum-based putty "Eurofin" thickness 1.0 mm on the ceilings', walls' and columns' surfaces.	m2	130.00		

1	2	3	4	5	6	7
52	CN53A	Coating internal surfaces of the walls and ceilings	m2	130.00		
53	CN06A	Interior painting with paints based on vinyl copolymers in water emulsion, applied in 2 layers on the existing fillings, executed manually, washable latex	m2	244.00		
54	CI06C1	Plywood glass glazed, unglazed, matte or glossy tiles of the same color and form with dimensions of 15 x 15 cm to 30 x 30, executed on curve surfaces or for pillars and beams with complex sections from architectural point of view (with more than 3-4 surfaces), with alternating joints, in premises with an area exceeding 10 m2, fixed with adhesive for installation of plywood	m2	85.00		
		Total	$			
		Total Walls **Including salary**				
		1.3.3. Flooring				
55	RpCK42C	Dismantling the floors of cold concrete tiles, marble, stone, floor tiles, ceramic tiles, etc.	m2	206.11		
56	CG01A	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed face	m2	206.11		
57	CG17D	Flooring from ceramic plates including the support layer from adhesive mortar, executed on areas wider than 16 m2	m2	206.11		
58	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	216.00		
		Total	$			
		Total Flooring **Including salary**				
		1.3.4. Carpentry				
59	RpCO56A	Dismantling of the wooden carpeting (doors, windows, shutter, rolls, cases, masks, etc.)	m2	22.00		
60	RpCP44A	Dismantling the metallic constructions with recovery of materials	kg	188.00		
61	CK27C	French windows of plastic	m2	14.10		

1	2	3	4	5	6	7
		profiles in buildings with heights up to 35 m of fixed panels and door plates				
62	CK57B	Installing the PVC windows: blind with over 2 m2 of the opening area	m2	12.40		
63	CK58A	Installing the PVC profile doors in the walls of the dwelling or public buildings made of stone: the area of the hole under 3 m2	m2	8.16		
64	CK58B	Installing the PVC profile doors in the walls of the dwelling or public buildings made of stone: the area of the hole over 3 m2	m2	12.68		
		Total	$			
		Total Carpentry Including salary				
		Total	$			
		Total Repairing the canteen Including salary				
		Total	$			
		Social and health insurance	22.5 %			
		Transportation of materials	%			
		Total				
		Overhead costs	%			
		Total				
		Estimate benefit	%			
		Total				
		Total Chapter 1 Repairing works Including salary				
		2. Technical networks 2.1. Aqueduct sewerage				
65	RpSB05A	Dismantling the flooring siphon, having the diameter 50 mm	piece	8.00		
66	RpSC11A	Removing the washer for dishes with dropper, made of cast iron, enameled or stainless steel board	piece	4.00		
67	RpSC06A	Dismantling a closet reservoir of pottery, completely equipped	piece	1.00		
68	SC04A	Sink from sanitary semi-porcelain or porcelain, etc. including for disabled people, with the sewerage pipe of plastic material, mounted on a console on brick walls or autoclaved aerated concrete walls	piece	1.00		
69	SD04A	The static mixing battery with swinging boom for the washbasin or sink, regardless of the switch-off model, including for disabled people, with the diameter of 1/2"	piece	1.00		
70	SC07B	Closet reservoir, completely equipped, from sanitary semi-porcelain or porcelain etc.	piece	1.00		

1	2	3	4	5	6	7
		including for disabled people, placed on the floor, with the water reservoir mounted at a certain height or semi-height, with the P-type internal siphon				
71	SB28A	Flooring siphon from polypropylene, with the exit diameter of 50 mm	piece	8.00		
72	RpSC22A	Installing the sink from enameled cast iron or antacid stoneware, having the sewerage pipe from plastic, mounted on walls from brick masonry	piece	4.00		
73	SD02A	Mixing battery for the bath, with flexible or fixed shower, irrespective of the closing modality, including for the disabled people, mounted on the brick masonry walls or autoclaved aerated concrete	piece	4.00		
74	SD06A	Passing tap with sleeve and Holland-based connector, for the steel pipe, with the diameter of 3/8"-1/2"	piece	7.00		
75	TsA16B3	Manual excavation of land in confined spaces, in layers up to 4 m deep, for high voltage cables, in ground with natural moisture with support, width <1 m, depth < 1.5 m, middle ground	m3	15.00		
76	RpCU05D	Executing the perforation for the pipes or ties in the walls of bricks of 16- 25 cm thickness	piece	8.00		
77	RpCU07C	Caulking the holes in the plates with cement-lime mortar, after installations	piece	8.00		
78	SA14B	Pipe of plastic material, combined through poly-fusion welding, in industrial constructions, having the diameter of 20 mm	m	10.00		
79	SB08C	Plastic sewer pipe , combined with rubber case, surface-mounted or buried under the floor, having a diameter of 50 mm	m	2.00		
80	SB09C	The connecting piece from plastic for sewerage, combined with rubber case, having a diameter of 50 mm	piece	4.00		
81	SB08E	Plastic sewer pipe, combined with rubber case, surface-mounted or buried under the floor, having a diameter of 110 mm	m	42.00		
82.	SB09E	The linking piece from plastic for	piece	17.00		

1	2	3	4	5	6	7
		sewerage, combined with rubber case, having a diameter of 110 mm				
83	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	15.00		
84	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 medium ground	m3	15.00		
85	TsD04B	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 cohesive ground	m3	15.00		
86	SE57A	Preparing device for hot waste water, functioning with heating agent of hot water of 70-90 degrees C, having the capacity up to 1000l	piece	1.00		
87		Boiler 100 liters, completely equipped	piece	1.00		
		Total	$			
		Total Aqueduct Sewerage Including salary				
		2.2. Electricity networks				
88	RpEF02A	Assembling the multiple lighting fittings, for tubular fluorescent lamps, completely equipped for Armstrong	piece	20.00		
89	RpEF02A	Assembling the multiple lighting fittings, for tubular fluorescent lamps, completely equipped	piece	9.00		
90	RpEE14D	Mounting unipolar switches - double switch of sweep type - symbol 0146	piece	10.00		
91	RpEA01A	Mounting the protection tubes of PVC polyvinyl chloride of IP-PVC type, with diameter up to 20 mm, fitted visibly directly on walls	m	139.00		
92	RpEB08A	Copper ducts, insulated in PVC, for fixed electrical installations, symbol FY, fitted visibly, with the diameter 3x2.5	m	250.00		
93	RpEB08A	Copper ducts, insulated in PVC, for fixed electrical installations, symbol FY, fitted visibly, with the	m	50.00		

1	2	3	4	5	6	7
		diameter 3x6				
94	RpEE03A	Assembling bipolar sockets in normal constructions from Bakelite or amino-plastic, simple, double, water-proof construction, seals, metallic or similar seals, assembled under coating or visibly on the wood or plastic gimlets	piece	12.00		
95	SE03A	Removing the meat mincing machine from the table with the capacity of 150 kg per hour, electrically triggered, with the weight of 85 kg k-0.5 for work, the rest is excluded	piece	1.00		
96	SE03A	Only the installation of the meat mincing machine from the table with the capacity of 150 kg per hour, electrically triggered, with the weight of 85 kg k-0.5 for work, the rest is excluded	piece	1.00		
97	SE09T	Removing the cooking machine, composed of fryer, boiling plate, grill, bain-marie table, hot table and cooker hood, operating with electricity, having 4210 mm as length and 1650 kg as weight k-0.5 for work, the rest being excluded	piece	1.00		
98	SE09T	Only the installation of the cooking machine, composed of fryer, boiling plate, grill, bain-marie table, hot table and cooker hood, operating with electricity, having 4210 mm as length and 1650 kg as weight k-0.5 for work, the rest being excluded	piece	1.00		
99	RpEJ06A	Electrical tests, verifications and adjustments for grounding plates	piece	2.00		
100	RpEJ06B	Electrical tests, verifications and adjustments for lighting circuits	piece	10.00		
101	RpEJ06C	Electrical tests, verifications and adjustments for light fittings	piece	29.00		
102	RpEJ06B	Electrical tests, verifications and adjustments for grounding installations	100 m	0.23		
		Total	$			
		Total Electricity networks Including salary				
		Total	$			
		Social and health insurance	22.5 %			
		Transportation of materials	%			
		Supply - Storage expenses	%			

1	2	3	4	5	6	7
		Total				
		Overhead costs	%			
		Total				
		Estimate benefit	%			
		Total				
		Total Technical networks Including salary				

		Total	$	
		Total estimates: Including salary		

Compiled _____
(position, signature, name, surname)

Verified _____
(position, signature, name, surname)