

(name of the site)

**List with quantities of works No. 2-1-1
Architectural solutions (03/2021-1-SA)**

Type of works

Bid currency - USD

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		Chapter 1. Demolishing works		
1	RpCG29C1	Demolishing with mechanical means the full brick walls, autoclaved aerated concrete, clay or light concrete blocks, perforated bricks, except for scaffold and cleaning the bricks for demolishing with mechanical means at the roof	m ³	4.00
2	RpCJ35A	Dismantling the interior plastering from the ceilings	m ²	156.00
3	RpCJ35A	Dismantling the plastering from walls	m ²	560.00
4	RpCI42F	Removing roof elements – bitumen membranes	m ²	160.00
5	RpCK42A	Dismantling the cement mortar screed from the roof	m ²	160.00
6	RpIzC45B	Removing the insulating materials from the roof: granular coating (granules or similar)	m ³	32.00
7	RpVB40A	Dismantling the circular deflectors D=500 mm	pcs	1.00
8	RpCB18G	Demolishing the old concrete by mechanic means, reinforced concrete - foundation for the boiler	m ³	0.80
9	RpCG29C1	Demolishing with mechanical means the full brick walls, autoclaved aerated concrete, clay or light concrete blocks, perforated bricks, except for scaffold and cleaning the bricks for demolishing with mechanical means inside the premises	m ³	9.60
10	RpCK42A	Dismantling the cold flooring from concrete or cement mortar	m ²	141.40
11	TsH92B	Loading soil with stones and boulders in trucks	t	153.30
12	TsI51A10	Transportation of soil with the dumper of 10 t at a distance of 10 km	t	153.30
		Chapter 2. Internal finishing works		
		Chapter 2.1. Flooring		
13	CA04A3	Cast concrete slabs , beams , columns , prepared with the concrete plant and pouring with classical means of reinforced concrete Class C 10/8 (Bc 10 / B 150) at heights up to 35 m inclusively	m ³	8.28
14	CG01A	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed surface	m ²	165.60
15	IzF31A	Waterproofing the concrete surfaces (vertical ones, horizontal ones, including the ceilings) with “Penetron” mixture - 2 layers: smooth surface	m ²	165.60
16	CG01A	Supporting layer for flooring executed from cement mortar M 100-T of 3 cm thickness with delicately smoothed surface	m ²	165.60
17	CN53A	Coating the internal surfaces with the primer based on quartz sand	m ²	165.60
18	CG17D	Flooring from NON-SLIP porcelain plates including the support layer from adhesive mortar, executed on areas wider than 16 m ²	m ²	165.60
19	CI14A	Linear elements of stoneware plates applied with adhesive	m	67.90
		Chapter 2.2. Ceilings		
20	CF59D	Coating the surfaces with a layer of water-resistant plasterboards 12.5 mm thick, executing the simple plain metallic carcass with CW50 and UW50 profiles, with the height up to 4 m: ceilings without insulation	m ²	13.22
21	CF52B	Interior coating of 5 mm thickness, executed manually, with	m ²	152.36

1	2	3	4	5
		gypsum-based dry mixture, for the ceiling, manual preparing of the mortar		
22	CF53B k=5	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for the ceiling, manual preparing of the mortar The plus or minus difference for every 1.0 mm (is added or extracted at art. CF52)	m ²	152.36
23	CF17C	Fiberglass layer with an weight of 80 kg / m2, applied in the composition of the plaster with the dry mix	m ²	152.36
24	CF57A	Manual application of the gypsum-based putty, thickness 1,0 mm on the ceiling, walls and columns' areas.	m ²	165.58
25	CF56A	Manual application of the putty for interior works thickness 0,5 mm on the surfaces of walls, columns, and ceilings	m ²	165.58
26	CN53A	Coating the internal surfaces of the walls and ceilings	m ²	165.58
27	CN06A	Interior painting with paints based on vinyl copolymers in water emulsion, applied in 2 layers on the existing fillings, executed manually.	m ²	165.58
		Chapter 2.3. Walls		
28	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	m ²	283.94
29	CN53A	Coating the internal surfaces with the primer based on quartz sand	m ²	234.39
30	CI22B	Ceramic tile plywood (on walls, columns, pilasters and window sills) fixed with adhesive (dry mixture), plates' dimensions: the size and color to be coordinated with the Beneficiary	m ²	234.39
31	CF50B	Interior coating of 5 mm thickness, executed manually, with cement-based dry mixture, for walls	m ²	182.60
32	CF17C	Fiberglass layer with an weight of 80 kg / m2, applied in the composition of the plaster with the dry mix	m ²	182.60
33	CF51B k=2	Interior coating of 5 mm thickness, executed manually, with gypsum-based dry mixture, for walls and dividing walls, manual preparation of the mortar. The plus or minus difference for every 1.0 mm (is added or extracted for art. CF50)	m ²	182.60
34	CF57A	Manual application of the gypsum-based putty, thickness 1,0 mm on the ceiling, walls and columns' areas.	m ²	182.60
35	CF56A	Manual application of the putty for interior works thickness 0,5 mm on the surfaces of walls, columns, and ceilings	m ²	182.60
36	CN53A	Coating the internal surfaces of the walls and ceilings	m ²	182.60
37	CN06A	Interior painting with paints based on vinyl copolymers in water emulsion, applied in 2 layers on the existing fillings, executed manually.	m ²	182.60
		Chapter 2.4. Sanitary blocks partitioning		
38	CK22D	French windows of molding made of aluminum profiles and HPL plating for sanitary groups, in premises with heights up to 35 m of door plates equipped with internal locks	m ²	11.97
39	CK22B	French windows of molding made of aluminum profiles and HPL plating for sanitary groups, in premises with heights up to 35 m of fixed plates	m ²	13.44
		Chapter 3. Carpentry		
40	CK25D1	Doors made of plastic profiles, external, thermally insulated, with over-light, including the casement and the necessary accessories for assembling doors in any type of constructions with the height over 35 m, in two wings, with the surface of the case up to 7 m2 inclusively (U1-2 units). The color will be coordinated with the Beneficiary.	m ²	9.76
41	CK25A	Doors made of plastic profiles, external, thermally insulated,	m ²	2.10

1	2	3	4	5
		including the casement and the necessary accessories for assembling doors in any type of masonry in constructions with the height up to 35 m inclusively, in one leaf, with the surface of the case up to 7 m ² inclusively (U2-1 unit). The color will be coordinated with the Beneficiary.		
42	CK03C	Wooden interior doors in two leaves, on coating and balcony doors, including thermal and waterproof casement, assembled on the existing dowels of the constructions with height up to 35 m (U3-1 unit). The color will be coordinated with the Beneficiary.	m ²	2.64
43	CK03A	Interior doors from MDF, in one leaf, resistant to moisture and painting, with smooth surface, including thermal insulation and waterproof of the casement, assembled on the existing dowels of the constructions with height up to 35 m (U4-5 units). The color will be coordinated with the Beneficiary.	m ²	9.45
44	CK03A	Interior doors from MDF, in one leaf, resistant to moisture and painting, with smooth surface, including thermal insulation and waterproof of the casement, assembled on the existing dowels of the constructions with height up to 35 m (U5-2 units). The color will be coordinated with the Beneficiary.	m ²	2.94
45	CK25A	Doors made of plastic profiles, external, thermally insulated, including the casement and the necessary accessories for assembling doors in any type of masonry in constructions with the height up to 35 m inclusively, in one leaf, with the surface of the case up to 7 m ² inclusively (U6-1 unit). The color will be coordinated with the Beneficiary.	m ²	2.10
46	CK25A	Doors made of plastic profiles, external, thermally insulated, including the casement and the necessary accessories for assembling doors in any type of masonry in constructions with the height up to 35 m inclusively, in one leaf, with the surface of the case up to 7 m ² inclusively (U7-2 units). The color will be coordinated with the Beneficiary.	m ²	3.52
47	CK25A	Doors made of plastic profiles, external, thermally insulated, including the casement and the necessary accessories for assembling doors in any type of masonry in constructions with the height up to 35 m inclusively, in one leaf, with the surface of the case up to 7 m ² inclusively (U8-2 unit). The color will be coordinated with the Beneficiary.	m ²	1.12
48	CK33A	Automated device for closing the doors, with the weight up to 100 kg	pcs	3.00
49	CK33C	Yale system applied lock, including the handle, in the set with 5 keys	pcs	11.00
50	CK07B	MDF sills assembled on doors. The color will be coordinated with the Beneficiary	m	56.50
51	CK57E	Fitting windows made of PVC profiles with 5 chambers, class A, RAL, according to the color passport, with thermal bridge, heating transfer K=2.5 (W/m ² K) with double glazing glass window, 4.0 mm thick: tilts (folding, swing-out) with more than 2 m ² of the opening area with 2 leaves, equipped with anti-insects mesh (F1 - 1 unit)	m ²	1.65
52	CK57E	Fitting windows made of PVC profiles with 5 chambers, class A, RAL, according to the color passport, with thermal bridge, heating transfer K=2.5 (W/m ² K) with double glazing glass window, 4.0 mm thick: tilts (folding, swing-out) with more than 2 m ² of the opening area with 2 leaves, equipped with anti-insects mesh (F2 - 3 units)	m ²	5.63
53	CK57E	Fitting windows made of PVC profiles with 5 chambers, class A, RAL, according to the color passport, with thermal	m ²	1.28

1	2	3	4	5
		bridge, heating transfer $K=2.5$ (W/m ² K) with double glazing glass window, 4.0 mm thick: tilts (folding, swing-out) with more than 2 m ² of the opening area with 2 leaves, equipped with anti-insects mesh (F3 - 2 units)		
54	CK57E	Fitting windows made of PVC profiles with 5 chambers, class A, RAL, according to the color passport, with thermal bridge, heating transfer $K=2.5$ (W/m ² K) with double glazing glass window, 4.0 mm thick: tilts (folding, swing-out) with more than 2 m ² of the opening area with 2 leaves, equipped with anti-insects mesh (F4 - 2 units)	m ²	0.90
55	CK26B	Sills assembled at the windows from aluminum	m	9.40
56	CK26C	Sills assembled on plastic windows with width, including installation of lateral plugs. The color will be coordinated with the Beneficiary	m	9.40
		Chapter 4. Facade		
57	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)	m ²	502.00
58	CK26B	Sills assembled at aluminum windows - 100mm aluminum base profile, with the modification in standards for Screws with notched head 6 x 30 mm on the resource Dowels with hexagon head screw 12x180 mm	m	82.60
59	CE23C	Sills made of galvanized sheet, with anticorrosive protection and RAL coverage, 0.5 mm thickness on a layer of roofing felt mounted on a equalization dig of cement - lime mortar -T M 100 , secured on break masonry, for lengths of more than 2 m, with width of 30 cm.	m	82.60
60	IzF55C	External thermal insulation of the walls of the buildings with fine plaster based on thermal insulators (rigid fixation systems of the thermal insulation), smooth wall surface: with plates of mineral wool with density 135 kg/m ³ th, lambda - 0.038, thickness 100 mm	m ²	426.00
61	CN54B	Manual application of the quartz ground "Gleta" in one layer, for the exterior walls of the facade.	m ²	426.00
62	CF30A	Exterior coating of 2 mm thickness, executed manually, with decorative finishing material with silicone addition, on walls, white color	m ²	426.00
63	IzF01C	Priming the surface for applying diffusion layer, a barrier against steam, heat-insulation or waterproofing on ceilings of any form, with suspension of filtered bitumen modification (subif) in one layer (2 layers)	m ²	105.00
64	IzF55B	External thermal insulation of buildings' walls with fine plaster based on thermal insulators (rigid fixation systems of the thermal insulation), smooth wall surface: with polystyrene plate	m ²	105.00
65	RpCJ10A	Repairing the external plastering of 3 cm thickness, executed on net VR1 d=3.0 mm with mesh 100x100 mm, leveled, on walls, with cement mortar, brand 100-T for HRMS, lime-cement mortar brand 50-T for primer and lime mortar brand 10-T for the visible layer, applied on walls	m ²	53.00
66	CN53A	Coating the internal surfaces with the primer based on quartz sand	m ²	53.00
67	CI22B	Concrete plywood plates (Cosauti stone type style) (for walls, columns, pilasters and window sills) fixed with adhesive for exterior works, size of the plates: up to 200 x 200 mm	m ²	53.00
68	CE41A	Assembling the decorative elements of the facade made of planed planks, section 100x40 (h) mm, with antiseptic treatment	m ³	0.60
69	CE41A	Assembling the decorative elements of the railing, made of	m ³	0.37

1	2	3	4	5
		planed planks, with antiseptic treatment		
70	CN17A	Painting with alkyd raisins -based paints applied on the wooden carpentry, executed with 2 layers of alkyd enamel, including the primer	m ²	68.00
		Chapter 5. Roof		
71	IzF04J1	Waterproofing layer made of floors made with diffusion barrier, simple, laid with non-stick overlays	m ²	174.00
72	IzF53A	Executing manually the flooring support with thermal-insulating layer made of plates with mineral wool, density 160 kg/m ³ , thickness 90 mm, lambda = 0.039 W/mK, in one layer	m ²	174.00
73	IzF53A	Executing manually the flooring support with thermal-insulating layer made of plates with mineral wool, density 160 kg/m ³ , thickness 100 mm, lambda = 0.039 W/mK, in one layer	m ²	174.00
74	IzF04J1	Waterproofing layer made of floors made of Polyethylene film 100mk thick, simple, laid with non-stick overlays	m ²	174.00
75	IzF18C k=1.667	Support layer for equalization or protective insulation, including related moldings, executed with ready-made mortar cement of M25 brand without any lime adds, leveled, on horizontal or inclined surfaces up to 40% inclusively, applied in medium thickness of 3 cm - 50 mm thick, k=1.667	m ²	174.00
76	CE17A	Water-protective film layer with the following characteristics: breaking load N / 5 > = 196; Water impermeability > 0.2 m water column; Working temperature - 40 * C / + 80 * C; Resistance to ultraviolet rays > 4 months	m ²	330.00
77	CR03A	Strip of 50x30(h) mm of softwood planks	m ³	1.37
78	CE30A	Sheathing or valley flashing made of roofing tiles, Eternit type plates etc., softwood planks (50x50(h) mm thick, step 330 mm), used in ordinary constructions.	m ²	330.00
79	CN50C	Fireproofing treatment of the carpentry, stave-based screen for coverings and revetment.	100 m ²	3.78
80	CN51K	Antiseptic treatment of the carpentry, on visible areas with water solution: coating the trusses.	100 m ²	3.78
81	CE07A	Corrugated metal sheets (tile effect) for roof covering (Lindab type) RAL 7016	m ²	330.00
82.	CE22A	Systems of brass-type tubing from anticorrosive protected board D=100 mm, RAL 7016	m	22.00
83	CE20A	Systems of brass-type ditches from anticorrosive protected board D=150 mm, RAL 7016	m	57.00
84	CK26B	Installing the snow guards using anticorrosive protected 0.5 mm thick boards, B=220 mm, RAL 7016	m	79.00
85	CE30A	Sheathing or valley flashing made of roofing tiles, Eternit type plates etc., softwood planks (50x50(h) mm thick, step 330 mm), used in ordinary constructions (source)	m ²	15.60
86	CE06C	Anticorrosive protected and profiled board covers, h=20 mm, thickness 0.45 mm, folded, RAL 7016, mounted on metal blades, executed on areas wider than 40 m ² with sheets of profiled board with self-tapping screws (on the upper flange of the metallic wedge) and consolidated with clenches, including the execution of valleys, aprons, connections to chimneys etc. (source)	m ²	15.60
87	CE31C	Clogged eaves without apparent consoles from pinewood planks folded and smoothed, with thickness of 12.5 mm	m ²	79.80
88	CN17A	Painting with alkyd raisins -based paints applied on the wooden carpentry, executed with 2 layers of alkyd enamel, including the primer	m ²	79.80
		Chapter 6. Diverse Chapter 6.1. Perforated halls		

1	2	3	4	5
89	RCsB29N	Drilling holes in brick and stone masonry, using the machine with cutter with diamond drill core, diameter: 150 mm, L=400 mm, K=3.6	pcs	2.00
90	RCsB29S k=3.989	Drilling holes in brick and stone masonry, using the machine with cutter with diamond drill core, diameter: 200 mm, L=400 mm, K=3.989	pcs	3.00
91	RCsB29S k=6.23	Drilling holes in brick and stone masonry, using the machine with cutter with diamond drill core, diameter: 250 mm, L=400 mm, K=6.23	pcs	1.00
92	RCsB30J k=1.08	Drilling holes in concrete constructions of the brand up to 500, using the machine with cutter with diamond drill core, diameter: 110 mm, L=120 mm, K=1.0	pcs	2.00
93	RCsB30S k=1.08	Drilling holes in concrete constructions of the brand up to 500, using the machine with cutter with diamond drill core, diameter: 200 mm, L=120 mm, K=1.08	pcs	1.00
94	RCsB30S k=2.97	Drilling holes in concrete constructions of the brand up to 500, using the machine with cutter with diamond drill core, diameter: 315 mm, L=120 mm, K=2.97	pcs	2.00
		Chapter 6.2. Access stairs		
95	TsA03B	Manual excavation of land in confined spaces, having under 1.00 m in width, made without support, with sloping embankment foundations, channels , etc., non-cohesive or slightly cohesive, consistent soil, up to 0.75 m deep, middle ground	m ³	3.20
96	TsC54C	Foundation layer of gravel	m ³	2.50
97	CA03C2	Cast concrete slabs, beams, columns, support walls, prepared with the concrete plant on the site and pouring with classical means of reinforced concrete Class C 10/8 (Bc 10/B 150)	m ³	9.80
98	CC01C	Concrete steel fittings A240 shaped in construction shops, assembled with bars over 8 mm diameter inclusively in insulated foundations	kg	86.70
99	CB03A	Reusable formwork panels with revetment of 15 mm for pouring the concrete in bearings, foundations and foundations glass and foundation equipment including support	m ²	6.46
100	CN53A	Coating the internal surfaces with the primer based on quartz sand	m ²	31.96
101	CG47C	Anti-slip ceramic, porcelain, tile floors, cold-resistant, including the support layer from adhesives for exterior works	m ²	31.96
		Total Incl. salary	\$	
		Social Insurance, 24%	\$	
		Transportation costs, %	\$	
		Supply - storage costs, %	\$	
		Total	\$	
		Overhead costs, %	\$	
		Total	\$	
		Estimate benefit, %	\$	
		Total	\$	
		Total estimates: Incl. salary	\$	

Bidder

Certified estimates' developer

(position, signature, name, surname)

S.P.

(name of the site)

**List with quantities of works No. 2-1-2
Construction solutions (03/2021-1-R)**

Type of works

Bid currency - USD

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		Chapter 1. Executing the lintels (pl. 2,3)		
1	RpCC02B	Mixed encasing from reused panels, the ones manufactured from plywood, excluding the supports, for reinforced concrete, when completing or redoing the existing constructions, in beams, with plywood of 15 mm	m ²	0.88
2	RpCD02D1	Steel-concrete coating A500C, with diam. of the beams up to 8 mm including, shaped on the site workshops and assembled in the elements of the exiting constructions, shaping and assembling the coating in straight slabs, columns, beams, etc.	kg	8.00
3	RpCD01D	Steel-concrete coating A240, with diam. up to 8 mm including, shaped on the site workshops and assembled in the elements of the exiting constructions, shaping and assembling the coating in straight slabs, columns, beams, etc.	kg	3.75
4	RpCB04A	Reinforced concrete poured in pillars, ribs, plates, platforms, stairs, support walls, reinforced concrete slabs, diaphragms, stair ramps, etc. on existing buildings, prepared on site and poured with classical means, with reinforced concrete class C- 15/12 BC15 (B200)	m ³	0.20
5	RpCG29D	Dismantling the masonry walls by breaking them so as to create empty spaces in the masonry	m ³	0.68
6	CD65J	Brickwork from simple bricks, format 250 x 120 x 65 mm in fillings of frames, with manual preparation of mortar M-25, the height of the floor up to 4 m	m ³	0.71
7	TsH92B	Loading soil with stones and boulders in trucks	t	1.36
8	TsI51A10	Transportation of soil with the dumper of 10 t at a distance of 10 km	t	1.36
		Chapter 2. Closing the gap on axis B		
9	CD65J	Brickwork from simple bricks, format 250 x 120 x 65 mm in fillings of frames, with manual preparation of mortar M-25, the height of the floor up to 4 m	m ³	2.08
		Chapter 3. Wall coating (pl. 2,3)		
10	RpCG17A	Reinforcing the load-bearing masonry, by coating with welded nets BP-1 with d = 5 mm, mesh 100x100 mm, mortar M 150- T, 5 cm thick. See plan 3, 03/2021-1-R notes 1-5. Consumption: Concrete steel - 1.74 kg/m ² , Welded nets - 7.32 kg/m ²	m ²	280.00
		Chapter 4. Reinforcing the framework elements (pl. 4,5) Chapter 4.1. Monolith flange PM-1		
11	RpCA01A	Manual excavation of land in confined spaces , having 1.00 m in width and maximum 1.5 m depth, with vertical slope, for polygonal foundation pits , ditches, etc. , executed in amounts of up to 20 m ³ with unsupported sides	m ³	32.00
12	TsC54C	Foundation layer of gravel	m ³	3.75
13	RpCC02B	Mixed encasing from reused panels, the ones manufactured from plywood, excluding the supports, for reinforced concrete, when completing or redoing the existing constructions, in beams, with plywood of 15 mm	m ²	62.50
14	RCsB21A	Mechanical drilling of holes with diameter of 5 cm, in	pcs	160.00

1	2	3	4	5
		concrete elements, with thickness of up to 20 cm		
15	RpCD02D1	Steel-concrete coating A500C, with diam. of the beams up to 8 mm including, shaped on the site workshops and assembled in the elements of the exiting constructions, shaping and assembling the coating in straight slabs, columns, beams, etc.	kg	104.00
16	CP21A	Using M 100-T cement mortar for bonding, monolithization or caulking the joints at heights of up to 35 m, filling in the technological holes and precast concrete joints, including finishing the surfaces	pcs	160.00
17	RpCD02D1	Steel-concrete coating A500C, with diam. of the beams up to 8 mm including, shaped on the site workshops and assembled in the elements of the exiting constructions, shaping and assembling the coating in straight slabs, columns, beams, etc.	kg	896.00
18	RpCD01D	Steel-concrete coating A240, with diam. up to 8 mm including, shaped on the site workshops and assembled in the elements of the exiting constructions, shaping and assembling the coating in straight slabs, columns, beams, etc.	kg	149.68
19	RpCB04A	Reinforced concrete poured in pillars, ribs, plates, platforms, stairs, support walls, reinforced concrete slabs, diaphragms, stair ramps, etc. on existing buildings, prepared on site and poured with classical means, with reinforced concrete class C- 15/12 BC15 (B200)	m ³	12.50
20	RpCA06A	Soil filling, executed in horizontal layers 20-30 cm thick, well watered and beaten with the manual knocker, and in quantities up to 20 m ³ , at a workstation, including scattering the soil in layers	m ³	15.75
21	TsH92B	Loading soil with stones and boulders in trucks	t	26.81
22	TsI51A10	Transportation of soil with the dumper of 10 t at a distance of 10 km	t	26.81
		Chapter 4.2. Monolith columns Km1, Km2		
23	RpCG29D	Dismantling the masonry walls by breaking them so as to create empty spaces in the masonry	m ³	0.72
24	TsH92B	Loading soil with stones and boulders in trucks	t	1.44
25	TsI51A10	Transportation of soil with the dumper of 10 t at a distance of 10 km	t	1.44
26	RpCC02C	Mixed encasing from reused panels, the ones manufactured from plywood, excluding the supports, for reinforced concrete, when completing or redoing the existing constructions, in pylons, with plywood of 15 mm	m ²	28.16
27	RCsB21A	Mechanical drilling of holes with diameter of 5 cm, in concrete elements, with thickness of up to 20 cm	pcs	32.00
28	RpCD02D1	Steel-concrete coating A500C, with diam. of the beams up to 8 mm including, shaped on the site workshops and assembled in the elements of the exiting constructions, shaping and assembling the coating in straight slabs, columns, beams, etc.	kg	20.80
29	CP21A	Using M 100-T cement mortar for bonding, monolithization or caulking the joints at heights of up to 35 m, filling in the technological holes and precast concrete joints, including finishing the surfaces	pcs	32.00
30	RpCD02D1	Steel-concrete coating A500C, with diam. of the beams up to 8 mm including, shaped on the site workshops and assembled in the elements of the exiting constructions, shaping and assembling the coating in straight slabs, columns, beams, etc.	kg	296.00
31	RpCD01D	Steel-concrete coating A240, with diam. up to 8 mm including, shaped on the site workshops and assembled in the elements of the exiting constructions, shaping and assembling the coating in straight slabs, columns, beams, etc.	kg	115.72
32	RpCB04A	Reinforced concrete poured in pillars, ribs, plates, platforms, stairs, support walls, reinforced concrete slabs, diaphragms,	m ³	5.20

1	2	3	4	5
		stair ramps, etc. on existing buildings, prepared on site and poured with classical means, with reinforced concrete class C- 15/12 BC15 (B200)		
		Chapter 5. Separating walls (pl. 6)		
33	CD66C	Brick masonry, format 250 x 120 x 65 mm at the separating reinforced walls, with thickness 1/2 brick, with manual preparation of the mortar M-50, the height of the floor up to 4m	100 m2	1.08
34	CB03E	Formwork of reusable panels, with plywood of 15mm for pouring concrete in plates and beams in constructions up to 20 m high inclusively, supporters being excluded	m ²	13.80
35	CC02K	On-site fabrication of A240 steel rebars, up to 8 mm in diameter and mounted into the beam and column formworks, at heights less than or equal to 35 m, except for constructions using climbing formwork	kg	21.60
36	CC02L2	On-site fabrication of A500C steel rebars, up to 8 mm in diameter and mounted into the beam and column formworks, at heights less than or equal to 35 m, except for constructions using gliding formwork	kg	142.40
37	CA04B3	Cast concrete slabs , beams , columns , prepared with the concrete plant and pouring with classical means of reinforced concrete Class C 15/12 (Bc 15/ B 200) at heights up to 35 m inclusively	m ³	0.70
		Chapter 6. Reinforcing the hole D500 mm (pl.6)		
38	RpCC02B	Mixed encasing from reused panels, the ones manufactured from plywood, excluding the supports, for reinforced concrete, when completing or redoing the existing constructions, in beams, with plywood of 15 mm	m ²	0.20
39	CB11B	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 5100 R	pcs	2.00
40	RpCD01D	Steel-concrete coating A240, with diam. up to 8 mm including, shaped on the site workshops and assembled in the elements of the exiting constructions, shaping and assembling the coating in straight slabs, columns, beams, etc.	kg	4.16
41	RpCB04A	Reinforced concrete poured in pillars, ribs, plates, platforms, stairs, support walls, reinforced concrete slabs, diaphragms, stair ramps, etc. on existing buildings, prepared on site and poured with classical means, with reinforced concrete class C- 15/12 BC15 (B200)	m ³	0.15
		Chapter 7. Extension in axes 5-7/A'-B'		
		Chapter 7.1. Foundations		
42	TsC61B	Mechanic excavation of soil with "reversed bin" excavator with the volume of the bin of 0.15 m3, unloading in the dumper by repairing objects, reconstruction or rehabilitation: land field category 2	100 m3	0.25
43	TsI51A10	Transportation of soil with the dumper of 10 t at a distance of 10 km	t	41.25
44	TsC60B	Mechanic excavation of land in the storage with the "dragline" of "reversed bin" excavator with the volume of the bin of 0.15 m3 at the reparation, reconstruction or restoration sites: land field category 2	100 m3	0.70
45	RpCA02A	Soil digging at sub-walls, performed in normal working conditions and positions, up to 1.5 m depth	m ³	4.60
46	RpCB02A1	Concrete poured into molds (on one side), in continuous or isolated foundations, in weakly demanded radiation, for underground walls, parapets, massive etc., in existing	m ³	4.75

1	2	3	4	5
		buildings, concrete prepared with on-site concrete mixer and pouring with classical means of reinforced concrete C-10/8 Bc10 (B75) for underpinning works		
47	CA03A2	Cast concrete slabs , beams , columns , prepared with the concrete plant and pouring with classical means of reinforced concrete Class C 5/4 (Bc 5/B 75)	m ³	5.60
48	CB03B	Formwork of reusable panels, with plywood of 15mm for pouring concrete in elevations, straight walls up to 6 m high inclusively, supporters being included	m ²	3.28
49	CA03A2	Cast concrete slabs , beams , columns , prepared with the concrete plant and pouring with classical means of reinforced concrete Class C 5/4 (Bc 5/B 75)	m ³	3.00
50	CB03B	Formwork of reusable panels, with plywood of 15mm for pouring concrete in elevations, straight walls up to 6 m high inclusively, supporters being included (Fm-1,2)	m ²	11.36
51	CC01C	Concrete steel fittings A240 shaped in construction shops, assembled with bars up to 8 mm diameter inclusively in insulated foundations	kg	6.96
52	CC01D1	Concrete steel fittings A500C shaped in construction shops, assembled with bars over 8 mm diameter inclusively in insulated foundations	kg	42.26
53	CA03D2	Cast concrete slabs, beams, columns, support walls, prepared with the concrete plant on the site and pouring with classical means of reinforced concrete Class C 15/12 (Bc 15/B 200)	m ³	1.60
54	CB03B	Formwork of reusable panels, with plywood of 15mm for pouring concrete in elevations, straight walls up to 6 m high inclusively, supporters being included	m ²	88.00
55	CC01E	Concrete steel fittings A240 shaped in construction shops, assembled with bars up to 8 mm diameter inclusively in continuous and radiation foundations	kg	54.72
56	CC01F1	Concrete steel fittings A500C shaped in construction shops, assembled with bars over 8 mm diameter inclusively in continuous and radiation foundations	kg	142.40
57	CL57A	Mounting and fixing the pieces embedded in monolith reinforced concrete: with weight under 4 kg (pos. 2*)	kg	21.30
58	CA03D2	Cast concrete slabs, beams, columns, support walls, prepared with the concrete plant on the site and pouring with classical means of reinforced concrete Class C 15/12 (Bc 15/B 200)	m ³	15.40
59	IzF01A	Priming the surface for applying diffusion layer, a barrier against vapora, heat-insulation or waterproofing on horizontal surfaces, angled or vertical, with bitumen solution (cut bitumen), in two layers	m ²	22.00
60	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	m ³	70.00
61	TsD05B	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 cohesive soil	100 m3	0.70
		Chapter 7.2. Monolith columns K3, K4 (pl. 10)		
62	CB03F	Formwork of reusable panels, with plywood of 15mm for pouring concrete in pylons in constructions up to 20 m high inclusively, supporters being excluded	m ²	10.08
63	CC02K	On-site fabrication of A240 steel rebars, up to 8 mm in diameter and mounted into the beam and column formworks, at heights less than or equal to 35 m, except for constructions using climbing formwork	kg	22.50
64	CC02L2	On-site fabrication of A500C steel rebars, up to 8 mm in diameter and mounted into the beam and column formworks,	kg	58.40

1	2	3	4	5
		at heights less than or equal to 35 m, except for constructions using gliding formwork		
65	CA04B3	Cast concrete slabs , beams , columns , prepared with the concrete plant and pouring with classical means of reinforced concrete Class C 15/12 (Bc 15/ B 200) at heights up to 35 m inclusively	m ³	0.80
		Chapter 7.3. Monolith beams and platform (pl. 11.12)		
66	CB03E	Formwork of reusable panels, with plywood of 15mm for pouring concrete in beams in constructions up to 20 m high inclusively, supporters being excluded	m ²	18.76
67	CB03E	Formwork of reusable panels, with plywood of 15mm for pouring concrete in plates in constructions up to 20 m high inclusively, supporters being excluded	m ²	29.60
68	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	pcs	92.00
69	CC02K	Concrete steel A240 reinforcements shaped in on-site construction shops, with the diameter of bars up to 8 mm, and mounted into beams and pillars, at heights less than or equal to 35 m, except for constructions using climbing formwork	kg	41.41
70	CC02L2	Concrete steel A500C reinforcements shaped in on-site construction shops, with the diameter of bars over 8 mm and mounted in beams and pillars, at heights less than or equal to 35 m, except for constructions using climbing formwork	kg	149.63
71	CC02N2	Concrete steel A500C reinforcements shaped in on-site construction shops, with the diameter of bars over 8 mm and mounted in plates, at heights less than or equal to 35 m, except for constructions using climbing formwork	kg	558.37
72	CL57A	Mounting and fixing the pieces embedded in monolith reinforced concrete: with weight under 4 kg (pos. 4*)	kg	17.64
73	CA04B3	Cast concrete slabs , beams , columns , prepared with the concrete plant and pouring with classical means of reinforced concrete Class C 15/12 (Bc 15/ B 200) at heights up to 35 m inclusively	m ³	6.00
		Chapter 7.4. Closings and compartments		
74	CD65J	Brickwork from simple bricks, format 250 x 120 x 65 mm in fillings of frames, with manual preparation of mortar M-25, the height of the floor up to 4 m	m ³	8.20
75	CD66C	Brick masonry, format 250 x 120 x 65 mm at the separating reinforced walls, with thickness 1/2 brick, with manual preparation of the mortar M-50, the height of the floor up to 4m	100 m ²	0.25
		Chapter 8. Monolith flange share 4.000 (pl. 13)		
76	RpCC02B	Mixed encasing from reused panels, the ones manufactured from plywood, excluding the supports, for reinforced concrete, when completing or redoing the existing constructions, in beams, with plywood of 15 mm	m ²	39.00
77	CB11B	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 5100 R	pcs	70.00
78	RCsB21A	Mechanical drilling of holes with diameter of 5 cm, in concrete elements, with thickness of up to 20 cm	pcs	255.00
79	CL57A	Mounting and fixing the pieces embedded in monolith reinforced concrete: with weight under 4 kg (pos. 2*)	kg	88.40
80	RpCD02D1	Concrete steel A500C reinforcements, with the diameter of	kg	161.50

1	2	3	4	5
		bars over 8 mm, shaped at the on-site workshops and assembled in the elements of the exiting constructions, shaping and assembling the coating in straight slabs, columns, beams, etc. (pos. 3)		
81	CP21A	Using M 100-T cement mortar for bonding, monolithization or caulking the joints at heights of up to 35 m, filling in the technological holes and precast concrete joints, including finishing the surfaces	pcs	255.00
82.	RpCD02D1	Steel-concrete coating A500C, with diam. of the beams up to 8 mm including, shaped on the site workshops and assembled in the elements of the exiting constructions, shaping and assembling the coating in straight slabs, columns, beams, etc.	kg	474.00
83	RpCD01D	Steel-concrete coating A240, with diam. up to 8 mm including, shaped on the site workshops and assembled in the elements of the exiting constructions, shaping and assembling the coating in straight slabs, columns, beams, etc.	kg	279.00
84	RpCB04A	Reinforced concrete poured in pillars, ribs, plates, platforms, stairs, support walls, reinforced concrete slabs, diaphragms, stair ramps, etc. on existing buildings, prepared on site and poured with classical means, with reinforced concrete class C- 15/12 BC15 (B200)	m ³	8.10
		Chapter 9. Roof wood elements (pl. 14-18)		
85	CE40A	Building the frame using beams (bars) treated with antiseptic	m ³	5.81
86	CE41A	Mounting rafters treated with antiseptic	m ³	3.95
87		Construction bolts with nuts and collars (additional to the standard)	kg	157.00
88	CN50A	Fireproof treatment of the carpentry: trusses, arches, beams, rafters, plates.	m ³	9.76
89	CL17A	Diverse metallic confections, mounted apparently: the linking pieces for wooden elements (additional to the standard)	kg	339.50
90	IzD10C	Anticorrosive painting with manual brush of metalwork and metal constructions with a layer of primer GF-021 and two enamel layers PF-115, metalwork and metal constructions being made of profiles with thicknesses of up to 7 mm inclusively	t	0.509
		Total	\$	
		Incl. salary	\$	
		Social Insurance, 24%	\$	
		Transportation costs, %	\$	
		Supply - storage costs, %	\$	
		Total	\$	
		Overhead costs, %	\$	
		Total	\$	
		Estimate benefit, %	\$	
		Total	\$	
		Total estimates:	\$	
		Incl. salary	\$	

Bidder

(position, signature, name, surname)

Certified estimates' developer
S.P.

(name of the site)

**List with quantities of works No. 2-1-3
Internal network of water supply and sewerage (03/2021-1-RAC)**

Type of works

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		Chapter 1. Construction works		
		Chapter 1.1. Aqueduct A1, T3, T4		
1	RpCU05I1	Executing the perforation for the pipes or ties in the walls of stone or reinforced concrete of 26- 50 cm thickness, for executing mechanized perforations	pcs	3.00
2	RpCU07C	Caulking the holes in the plates with cement-lime mortar, after installations	pcs	3.00
3	AcA52A	Polyethylene pipe PE80, SDR17, PN10, for water supply tubes, mounted in ditch, with diameter 50 mm	m	3.00
4	AcA52A	Polyethylene pipe PE80, SDR17, PN10, for water supply tubes, mounted in ditch, with diameter 40 mm	m	10.00
5	SA16C	Polypropylene pipe PN10, joined by poly-fusion welding, in columns, having the diameter of 32x3.0 mm	m	15.00
6	SA16A	Polypropylene pipe PN10, joined by poly-fusion welding, in columns, having the diameter of 25x2.5 mm	m	33.00
7	SA15B	Pipe of polypropylene PN10 joined by poly-fusion welding, in distribution pipes on sanitary sites in dwelling and social-cultural buildings, having the diameter of 20*2.1 mm.	m	74.00
8	RpIF09A1	Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D=40x9 mm	m	10.00
9	RpIF09A1	Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D=32x9 mm	m	15.00
10	RpIF09A1	Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D=25x9 mm	m	33.00
11	RpIF09A1	Insulating the pipes with special insulation collars, introduced on the pipes, with diameter and thickness from D=20x9 mm	m	74.00
12	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	135.00
13	SF02C	Operational test for cold water installation performed with the pipe from hard-type polyvinyl chloride or plastic, having the diameter of 16-110 mm	10 m	13.50
14	SF05C	Washing up the hot and cold water installation, executed from plastic pipes, with the diameter of 20-75 mm	m	135.00
15	SD06C	Ball-type tap with sleeve and Holland-based connector, for the steel pipe, with the diameter from 1"	pcs	1.00
16	SD06B	Ball-type tap with sleeve and Holland-based connector, for the steel pipe, with the diameter from 3/4"	pcs	7.00
17	SD06A	Ball-type tap with sleeve and Holland-based connector, for the steel pipe, with the diameter from 1/2"	pcs	56.00
		Chapter 1.2. Sanitary equipment		
18	SC04C	Sink from sanitary semi-porcelain or porcelain, etc. including for disabled people, with the sewerage pipe of plastic material, mounted on a stand	pcs	9.00
19	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"	pcs	9.00
20	SC07B1	The closet reservoir, completely equipped, from sanitary semi-porcelain or porcelain etc. including for people with	pcs	8.00

1	2	3	4	5
		disabilities, placed on the floor, with the water reservoir mounted at a certain height, with the P-type internal draintrap		
21	SC09A	Sanitary porcelain urinary mounted in the wall of bricks or autoclaved aerated concrete	pcs	3.00
22	SD04A	The static mixing battery with swinging boom for the washbasin or sink, regardless of the switch-off model, including for people with disabilities, with the diameter of 1/2"	pcs	6.00
		Chapter 1.3. Domestic sewerage C1		
23	RpCU05I1	Executing the perforation for the pipes or ties in the walls of stone or reinforced concrete of 26- 50 cm thickness, for executing mechanized perforations	pcs	3.00
24	RpCU05C1	Executing the perforation for the pipes or ties in the walls or slabs of stone or reinforced concrete up to 15 cm thickness, for performing the perforation in a mechanized way	pcs	2.00
25	RpCU07C	Caulking the holes in the plates with cement-lime mortar, after installations	pcs	5.00
26	RpCA01A	Manual excavation of land in confined spaces , having 1.00 m in width and maximum 1.5 m depth, with vertical slope, for polygonal foundation pits , ditches, etc. , executed in amounts of up to 20 m3 with unsupported sides	m ³	3.60
27	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	m ³	2.80
28	SB08E	Polypropylene (PP-R) sewer pipe, combined with rubber case, surface-mounted or buried under the floor, having a diameter of 110 mm	m	20.00
29	SB08C	Polypropylene (PP-R) sewer pipe, combined with rubber case, surface-mounted or buried under the floor, having a diameter of 50 mm	m	43.00
30	SB09E	PP-R cleaning piece with threaded plug, for sewerage, combined with rubber fitting, with the diameter 110 mm	pcs	2.00
31	SB09E	PP-R refit with threaded plug, for sewerage, combined with rubber fitting, with the diameter 110 mm	pcs	2.00
32	SB10E	The linking piece from plastic (simple ramification 45*) for sewerage, combined with rubber case, having a diameter of 110 mm	pcs	6.00
33	SB10C	The linking piece from plastic (simple ramification 45*) for sewerage, combined with rubber case, having a diameter of 50 mm	pcs	12.00
34	SB09E	Polypropylene (PP-R) bend for sewerage, combined with rubber, with the diameter of 110 mm, 45*	pcs	18.00
35	SB09C	Polypropylene (PP-R) bend for sewerage, combined with rubber, with the diameter of 50 mm, 45*	pcs	26.00
36	SB10E	The linking piece (simple ramification) from polypropylene (PP-R) for sewerage, combined with rubber case, having a diameter of 110x50 mm, 45*	pcs	3.00
37	SB24E	Paving siphon from enameled cast iron, having the diameter 100 mm	pcs	2.00
38	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	6.30
39	SB09E	PP-R ventilation cap for sewerage, combined with rubber fitting, with the diameter of 110 mm	pcs	2.00
		Total chapter 1	\$	
		Incl. salary	\$	
		Social Insurance, 24%	\$	
		Transportation costs, %	\$	

1	2	3	4	5
		Supply - storage costs, %	\$	
		Total	\$	
		Overhead costs, %	\$	
		Total	\$	
		Estimate benefit, %	\$	
		<u>Total Construction works</u>	\$	
		Including salary	\$	
		Chapter 2. Mounting works		
		Chapter 2.1. Sanitary equipment		
40	SE44B	Electrical water heater, having the capacity of 160 liters and the weight of 50 kg, mounted on consoles fixed into the wall	pcs	2.00
		Total	\$	
		Incl. salary	\$	
		Social Insurance, 24%	\$	
		Transportation costs, %	\$	
		Supply - storage costs, %	\$	
		Total	\$	
		Overhead costs, %	\$	
		Total	\$	
		Estimate benefit, %	\$	
		<u>Total Mounting works</u>	\$	
		Incl. salary	\$	
		Chapter 3. Equipment		
		Chapter 3.1. Sanitary equipment		
41	Supplier price	Electrical preparation of hot water V=160l, N=3.30kW	pcs	2.00
		<u>Total Sanitary equipment</u>	\$	
		Including salary	\$	
		Supply - storage costs, %	\$	
		<u>Total Equipment</u>	\$	
		Including salary	\$	
		<u>Total estimates:</u>	\$	
		Including salary	\$	

Bidder

(position, signature, name, surname)

Certified estimates' developer
S.P.

(name of the site)

**List with quantities of works No. 2-1-4
Heating, ventilation and air-conditioning (03/2021-1-IVC)**

Type of works

Bid currency - USD

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		Chapter 1. Construction works		
		Chapter 1.1. Ventilation		
1	VB28B	Circular deflector with diameter of 315 mm	pcs	3.00
2	VB28B	Circular deflector with diameter of 200 mm	pcs	1.00
3	CL20A	Ventilation grates D=100 mm	pcs	3.00
4	CL20A	Ventilation grates D=150 mm	pcs	2.00
5	CL20A	Ventilation grates D=200 mm	pcs	1.00
6	CL20A	Ventilation grates 200x200 mm	pcs	2.00
7	VA19A	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.5 mm thickness, having the diameter of the circular section of 100 mm. Sealing class H	m ²	0.63
8	VA19A	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.6 mm thickness, having the diameter of the circular section of 200 mm. Sealing class H	m ²	5.03
9	VA20A	Installing ventilation ducts at a height of up to 3 m off the floor, made of galvanized sheet 0.6 mm thick, having a diameter of circular section of 315 mm. Sealing class H	m ²	13.86
10	VA22B	Mounting the ventilation ducts at a height from the floor up to 3m, from galvanized steel board of 0.7 mm thickness, having the perimeter: up to 1200 mm - 200x200 mm. Sealing class H	m ²	1.60
11	Supplier price	Material for fixing the ventilation ducts	kg	300.00
12	IzH07B	Insulating the ducts with foam rubber, self-adhesive with one protection layer of aluminum foil, having the thickness of 10 mm	m ²	10.00
		Chapter 1.2. Air conditioning		
13	IC35C k=1.4	Reinforced propylene pipe with fiber, type K Plastic, PPR-GF PN20 assembled at the joints of heating appliances or devices, in central heating installations, with diameter 25x3.5 mm (k=1.4 for fittings and support)	m	10.00
		Total chapter 1	\$	
		Incl. salary	\$	
		Social Insurance, 24%	\$	
		Transportation costs, %	\$	
		Supply - storage costs, %	\$	
		Total	\$	
		Overhead costs, %	\$	
		Total	\$	
		Estimate benefit, %	\$	
		Total Construction works	\$	
		Including salary	\$	
		Chapter 2. Mounting works		
		Chapter 2.1. Ventilation		
14	VC07A	Mounting the double flow heat recuperator (ПБ1-ПБ3)	pcs	3.00
15	VC07A	Mounting axial fans, window fans, type VF 315 - VF 900,	pcs	3.00

1	2	3	4	5
		with the weight of 3.6 - 8.2 kg, with engine of 0.25 to 0.55 kW (B1, B2, B3)		
16	VC03B	Mounting the radial, silent, mono-aspiring standardized ventilators with transmission belts, having the flow of 900-11.200 m3/h with electrical engine of 0,37 - 7,5 kw (B4)	pcs	1.00
17	VB09B applied	Flexible inlet for fans, with diameter 200 mm, mounted on the duct	pcs	2.00
18	11-05-001-01	Execution mechanism, weight, kg, up to: 20 - air valves with electric drive mechanism	pcs	3.00
		Chapter 2.2. Heating		
19	08-03-602-1	Heating appliances: electrical convector	pcs	14.00
		Chapter 2.3. Air conditioning		
20	VC37A	Mounting the domestic air conditioning devices (split-system), the engine power up to 4.5 kW, on the stairs (K1, K2)	pcs	2.00
21	VC37A	Mounting the domestic air conditioning devices (split-system), the engine power up to 4.5 kW, on the stairs (K3, K4) Modifying the resource annealed copper pipes 12x1.0mm in annealed copper pipes 15.88x1.0mm	pcs	2.00
		Total, chapter 2 Mounting works	\$	
		Including salary	\$	
		Total	\$	
		Social Insurance, 24%	\$	
		Transportation costs, %	\$	
		Supply – storage costs	\$	
		Total	\$	
		Overhead costs, %	\$	
		Total	\$	
		Estimate benefit, %	\$	
		Total, chapter 2 Mounting works	\$	
		Including salary	\$	
		Chapter 3. Equipment		
		Chapter 3.1. Ventilation		
22	Supplier price	Double flow air intake-discharge system, with copper heat exchanger, air preheating function, with the following characteristics: maximum intake air flow 150 m3 / h, maximum discharged air flow 150 m3 / h, N = 14- 54 W / h, installation diameter - 150 mm, in thermal insulation casing, with remote control system using a remote control (IIB1)	pcs	1.00
23	Supplier price	Double flow air intake-discharge system, with copper heat exchanger, air preheating function, with the following characteristics: intake air flow 235 m3 / h, discharged air flow 220 m3 / h, N = 14- 54 W / h, installation diameter - 200 mm, in thermal insulation casing, with remote control system using a remote control (IIB2, IIB3)	pcs	2.00
24	Supplier price	Wall-mounted fan D=100 mm, Q=60-150 m3/h, P=100Pa, N=0,06kW, n=2620 rot/min, U=230V (B1, B2, B3)	pcs	3.00
25	Supplier price	Ditch-mounted fan D=200 mm, Q=400m3/h, H=400Pa, N=0,16kW, n=2375rot/min, U=230V (B4)	pcs	1.00
26	Supplier price	Flexible inlet for fans, with diameter 200 mm	pcs	2.00
27	Supplier price	Valve for ventilation ditches, thermal insulation, D=315 mm, with device for electrical triggering N=0.1kW, U=24V	pcs	2.00
28	Supplier price	Valve for ventilation ditches, thermal insulation, D=200 mm, with device for electrical triggering N=0.1kW, U=24V	pcs	1.00
		Chapter 3.2. Heating		
29	Supplier price	Electric convector N = 1.00 kW, U = 230V with mounting set and regulating thermostat	set	8.00

1	2	3	4	5
30	Supplier price	Electric convector N = 0.90 kW, U = 230V with mounting set and regulating thermostat	set	3.00
31	Supplier price	Electric convector N = 0.50 kW, U = 230V with mounting set and regulating thermostat	set	3.00
		Chapter 3.3. Air conditioning		
32	Supplier price	Wall conditioner. Indoor block + Outdoor block with the following characteristics: 230V, 1.20 kW, cold productivity 2.00-2,80 kW, heating productivity - 2,70-3,60 kW, including filling the system with refrigerant	set	2.00
33	Supplier price	Wall conditioner. Indoor block + Outdoor block with the following characteristics: 230V, 1.61 kW, cold productivity 5.20 kW, heating productivity - 6.00-7.50 kW, including filling the system with refrigerant	set	2.00
		<u>Total, chapter 3 Equipment</u>	\$	
		Including salary	\$	
		Supply-storage costs, %	\$	
		<u>Total Equipment</u>	\$	
		Including salary	\$	
		<u>Total estimates:</u>	\$	
		Incl. salary	\$	

Bidder

(position, signature, name, surname)

Certified estimates' developer
S.P.

(name of the site)

**List with quantities of works No. 2-1-5
Power equipment and internal electrical lighting (03/2021-1-IEI/EEF)**

Type of works

Bid currency - USD

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		Chapter 1. Construction works		
1	TsA02C	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 hard ground	m ³	18.81
2	TsD18C	Compacted filling of the ditches, for the buried cables of high voltage electricity lines, made with ground came from hard ground	m ³	12.54
3	34-02-003-1	Executing the pipe line from polyethylene pipes D=50 mm	1 km	0.005
		<u>Total</u>	\$	
		Incl. salary	\$	
		Social Insurance, 24%	\$	
		Transportation costs, %	\$	
		Supply - storage costs, %	\$	
		Total	\$	
		Overhead costs, %	\$	
		Total	\$	
		Estimate benefit, %	\$	
		<u>Total Construction works</u>	<u>\$</u>	
		Including salary	\$	
		Chapter 2. Mounting works		
4	08-03-572-9	Command switchboard of closet-type or as distribution point type (case), mounted in the corbel, with specific height and width, mm, up to 1300x850	pcs	1.00
5	08-03-575-1	Devices mounted in panels and cabinets: load separators, circuit breakers	pcs	48.00
6	08-03-575-1	Devices mounted in panels and cabinets: contactors	pcs	1.00
7	08-03-575-1	Device: additional contacts	pcs	1.00
8	08-03-575-1	Device: independent trigger	pcs	1.00
9	08-03-575-1	Device: timer	pcs	1.00
10		Icon applied to the panel	pcs	1.00
11	08-03-573-4	Suspended command box (switchboard), height, width, and depth, mm, up to 600x600x350	pcs	1.00
12	08-03-575-1	Devices mounted in panels and cabinets: load separators, circuit breakers	pcs	5.00
13		Icon applied to the panel	pcs	1.00
14	08-03-573-4	Suspended command box (switchboard), height, width, and depth, mm, up to 600x600x350	pcs	1.00
15	08-03-575-1	Devices mounted in panels and cabinets: load separators, circuit breakers	pcs	4.00
16		Icon applied to the panel	pcs	1.00
17	08-02-148-1	Cable up to 35 kV in pipes, blocks, and laid-down cases, mass 1 m up to: 1 kg	100 m	12.31
18	Supplier price	Cable BBΓHr-LS-0.66 3x1.5 mm ²	l.m	375.00

1	2	3	4	5
19	Supplier price	Cable BBΓHГ-LS-0.66 3x2.5 mm2	l.m	535.00
20	Supplier price	Cable BBΓHГ-LS-0.66 3x6 mm2	l.m	10.00
21	Supplier price	Cable BBΓHГ-LS-0.66 5x1.5 mm2	l.m	25.00
22	Supplier price	Cable BBΓHГ-LS-0.66 5x4 mm2	l.m	1.00
23	Supplier price	Cable BBΓHГ-LS-0.66 5x16 mm2	l.m	35.00
24	Supplier price	Cable BBΓHГ(A)-FRLS 3x1.5 mm2	l.m	30.00
25	Supplier price	Control cable KBBΓHГ(A)-LS 4x1.0 mm2	l.m	10.00
26	Supplier price	Control cable KBBΓHГ(A)-FRLS 4x1.0 mm2	l.m	10.00
27	Supplier price	Cable C2XY-F 3x6.0 mm2	l.m	50.00
28	Supplier price	Electric conductor type ПyB 1x10 mm2	l.m	50.00
29	Supplier price	Electric conductor type ПyB 1x6.0 mm2	l.m	100.00
30	08-02-148-3	Cable up to 35 kV in pipes, blocks, and laid cases, mass 1 m up to: 3 kg	100 m	0.95
31	Supplier price	Power cable with aluminum conductors, galvanized with zinc-coated steel strip, woven polyethylene insulation, nominal voltage up to 1kV, type АПВБ6ШВ (NA2ХBY-J) 5x16 mm2	l.m	95.00
32	08-02-160-1	Terminal cap from synthetic resins (epoxy) for cable with 3-4 conductors, pressure up to 1 kV, section of one conductor, up to: 70 mm2	pcs	4.00
33	Supplier price	Terminal plug 5KHTП-1 1kV 16-25 mm	pcs	4.00
34	08-02-142-1	Executing the bedding for one single cable in the ditch	100 m	0.95
35	Supplier price	Sand for territory planning	m ³	6.30
36	08-02-143-1	Covering the cable, placed in the ditch: with bricks, one single cable	100 m	0.95
37	Supplier price	Construction bricks 250x120x65 mm	pcs	450.00
38	08-02-409-1	Vinyl pipe on installed constructions, on walls and columns, fixing with clamps, diameter up to 25 mm	100 m	11.35
39	Supplier price	U-PVC corrugated pipe, 750N, d=16 mm	l.m	150.00
40	Supplier price	U-PVC corrugated pipe, 750N, d=20 mm	l.m	385.00
41	Supplier price	U-PVC corrugated pipe, 750N, d=25 mm	l.m	600.00
42	08-02-409-2	Vinyl pipe on installed constructions, on walls and columns, fixing with clamps, diameter up to 50 mm	100 m	0.35
43	Supplier price	U-PVC corrugated pipe, 750N, d= 40 mm	l.m.	35.00
44	08-03-594-1	Light fitting with LED lighting source	100 pieces	0.55
45	08-03-591-2	Switcher with one flap, buried type, in closed installation, including the dose for separate installation	100 pieces	0.09
46	Supplier price	Single-pole switch, embedded mounting 10A, 230V, IP20	pcs	2.00
47	Supplier price	Single-pole switch 10A/230V, IP44	pcs	7.00
48	08-03-591-5	Switcher with two flaps, buried type, in closed installation, including the dose for separate installation	100 pieces	0.10
49	Supplier price	2-flaps switch 10A/230V, IP44	pcs	3.00
50	Supplier price	Two-pole switch, embedded mounting 10A,230V, IP20	pcs	7.00
51	08-03-591-2	Switcher with one flap, buried type, in closed installation, including the dose for separate installation	100 pieces	0.02
52	Supplier price	Single-pole switch, scale-type 10A/230V, IP20	pcs	2.00
53	08-03-591-3	Semi-sealed and sealed switch, visible mounting	100 pieces	0.06
54	Supplier price	Applicable single-pole switch 10A/230V, IP65	pcs	6.00
55	08-03-591-9	Plug socket of buried type, in closed installation, including the dose for separate installation	100 pieces	0.30
56	Supplier price	Plug 2P+PE, In=16A, IP-20	pcs	16.00
57	Supplier price	Plug 2P+PE, In=16A, IP-44	pcs	14.00
58	Supplier price	Horizontal frame 2M	set	1.00
59	Supplier price	Horizontal frame 3M	set	1.00

1	2	3	4	5
60	08-03-591-11	Three-polar plug outlet, visible mounting	100 pieces	0.03
61	Supplier price	Power outlet 2P+PE, In=32A, IP-44	pcs	1.00
62	Supplier price	Power outlet 3P+N+PE, In=16A, IP-44	pcs	2.00
63	Supplier price	Distribution box with clips	pcs	60.00
64	08-03-532-4	Command post (switchboard) with buttons, common destination, mounted on construction, wall or column, quantity of the post's elements up to 3	pcs	1.00
65	08-02-472-2	Grounding conductor: ground plate, horizontal, from strip steel, section 160 mm ²	100 m	0.50
		Total chapter 2 Mounting works	\$	
		Incl. salary	\$	
		Social Insurance, 24%	\$	
		Transportation costs, %	\$	
		Supply-storage costs, %	\$	
		Total	\$	
		Overhead costs, %	\$	
		Total	\$	
		Estimate benefit, %	\$	
		Total, chapter 2 Mounting works	\$	
		Including salary	\$	
		Chapter 3. Equipment		
66	Supplier price	Niche-mounted metal distribution board with a capacity of 120 modules, IP31, equipped with padlock and bars, DIN type	pcs	1.00
67	Supplier price	Modular power switch Un=400V, 3P, In=80A	pcs	1.00
68	Supplier price	Modular power switch Un=400V, 3P, In=10A	pcs	1.00
69	Supplier price	Single-pole automated switch, characteristic B, In=6A, U=230V Icu=4.5A	pcs	3.00
70	Supplier price	Single-pole automated switch, characteristic C, In=2A, U=230V, Icu=4.5A	pcs	2.00
71	Supplier price	Single-pole automated switch, characteristic C, In=6A, U=230V, Icu=4.5A	pcs	5.00
72	Supplier price	Three-pole automated switch, characteristic C, In=10A, Un=400V, Icu=4.5A	pcs	1.00
73	Supplier price	Three-pole automated switch, characteristic C, In=25A, Un=400V, Icu=4.5A	pcs	1.00
74	Supplier price	Bipolar automated differentiated power breaker, with characteristic "B", In=06A, 30mA, Un=230V	pcs	2.00
75	Supplier price	Bipolar automated differentiated power breaker, with characteristic "C", In=06A, 30mA, Un=230V	pcs	3.00
76	Supplier price	Bipolar automated differentiated power breaker, with characteristic "C", In=10A, 30mA, Un=230V	pcs	16.00
77	Supplier price	Bipolar automated differentiated power breaker, with characteristic "C", In=16A, 30mA, Un=230V	pcs	9.00
78	Supplier price	Bipolar automated differentiated power breaker, with characteristic "C", In=20A, 30mA, Un=230V	pcs	1.00
79	Supplier price	Four-pole automated differentiated power breaker, with characteristic "C", In=10 A, 30mA, Un=400V	pcs	2.00
80	Supplier price	Modular electromagnetic contactor IIPK-32, 4P, 0,63 - 1.0 A, Icu=0.1kA	pcs	1.00
81	Supplier price	Additional contact 1NO-NC type ДКП32-11	pcs	1.00
82.	Supplier price	Independent trigger of type PH47	pcs	1.00
83	Supplier price	Modular power switch Un=230V, 1P, In=10A	pcs	1.00
84	Supplier price	Timer TЭ80, 230V	pcs	1.00
85	Supplier price	Wall-mounted metal distribution board with a capacity of 18	pcs	1.00

1	2	3	4	5
		modules, IP65, equipped with padlock and bars, DIN type		
86	Supplier price	Modular power switch Un=400V, 3P, In=25A	pcs	1.00
87	Supplier price	Three-pole automated switch, characteristic C, In=16A, Un=400V, Icu=4.5A	pcs	1.00
88	Supplier price	Bipolar automated differentiated power breaker, with characteristic "C", In=16A, 30mA, Un=230V	pcs	3.00
89	Supplier price	Wall-mounted metal distribution board with a capacity of 18 modules, IP65, equipped with padlock and bars, DIN type	pcs	1.00
90	Supplier price	Modular power switch Un=400V, 3P, In=20A	pcs	1.00
91	Supplier price	Bipolar automated differentiated power breaker, with characteristic "C", In=16A, 30mA, Un=230V	pcs	3.00
92	Supplier price	Light fitting with LED lamps, applicable, IP-54, 3200Lm, 32W, 640x640x110 mm.	pcs	40.00
93	Supplier price	Light fitting with LED lamps, applicable, IP-65, 1900Lm, 18W, 390x144 mm.	pcs	15.00
94	Supplier price	Box for control buttons' installation, for 2 places, type KII102, IP 20	pcs	1.00
95	Supplier price	Button SB-7	pcs	2.00
		<u>Total Equipment</u>	\$	
		Incl. salary	\$	
		Supply-storage costs, %	\$	
		<u>Total, chapter 3 Equipment</u>	\$	
		Including salary	\$	
		<u>Total estimates:</u>	\$	
		Including salary	\$	

Bidder

(position, signature, name, surname)

Certified estimates' developer
S.P.

(name of the site)

**List with quantities of works No. 2-1-6
Fire warning (03/2021-1-SI)**

Type of works

Bid currency - USD

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		Chapter 1. Mounting works		
1	10-08-001-02	Receiver-devices: Reception and control devices "SI", for starting. Concentrator: main block for 20 flashes - Fire board	pcs	1.00
2	10-08-003-03	Ultra-sound devices: supply and control block	pcs	1.00
3	10-08-002-02	Automatic "SI" alarms: for smoke with basis in ordinary execution	pcs	20.00
4	08-03-591-3 applicable	Manual trigger of the fire alarm	100 pieces	0.03
5	08-03-575-1 adjusted	Mounting in the case the battery	pcs	1.00
6	08-03-593-9	Assembling the warning devices - sirens	100 pieces	0.05
7	10-04-030-02	Additional installation of board and panel pieces: Relay	pcs	1.00
8	10-04-030-02	Additional installation of board and panel pieces: Resistance, diodes	pcs	1.00
9	08-02-409-1	Vinyl pipe on installed constructions, on walls and columns, fixing with clamps, diameter up to 25 mm	100 m	1.50
10	Supplier price	PE pipe for electrical fitting d=16 mm	l.m.	150.00
11	08-02-148-1	Cable up to 35 kV in pipes, blocks, and laid-down cases, mass 1 m up to: 1 kg	100 m	1.70
12	Supplier price	Supply cable with 2 copper conductors, conductor section 0.50 mm ² , fire resistant (FR) with insulation from PVC without halogen (HF) minimum fire resistance 30 min	l.m.	120.00
13	Supplier price	Cable BBΓH(A)-FRLS 3x1.0 mm ²	l.m.	50.00
		Total chapter 1 Mounting works	\$	
		Incl. salary	\$	
		Social Insurance, 24%	\$	
		Transportation costs, %	\$	
		Supply - Storage costs %	\$	
		Total	\$	
		Overhead costs, %	\$	
		Total	\$	
		Estimate benefit, %	\$	
		<u>Total, chapter 1 Mounting works</u>	\$	
		<u>Including salary</u>	\$	
		Chapter 2. Equipment		
14	Supplier price	Fire board - conventional fire detection control panel, in metal cabinet, with central touchscreen LCD display unit, U = 24V, IP54, for 4 security zones, according to standard SM SR EN 54-2 +AC:2010	pcs	1.00
15	Supplier price	Transformation block 30VA, according to standard SM SR EN 54-2 +AC:2010	pcs	1.00
16	Supplier price	Smoke detector according to standard SM SR EN 54-7:2010 with the mounting base	pcs	20.00
17	Supplier price	Manual trigger of the fire alarm according to standard SM SR EN 54-11:2010	pcs	3.00
18	Supplier price	Battery 12 V, capacity 7 Ah	pcs	1.00

1	2	3	4	5
19	Supplier price	Flashing siren 11-14VDC; 250mA; 110db/m according to standard SM EN 54-3:2015	pcs	1.00
20	Supplier price	Siren 9-13V, 40mA according to standard SM EN 54-3:2015	pcs	4.00
21	Supplier price	Relay RM1, including the mounting support	pcs	1.00
22	Supplier price	Resistance 4.3 kOhm	pcs	2.00
23	Supplier price	Semi-conductor diode type КД512А	pcs	2.00
		Total, chapter 2 Equipment	\$	
		Supply-storage costs, %	\$	
		Total Equipment	\$	
		Including salary	\$	
		Total estimates:	\$	
		Including salary	\$	

Bidder

(position, signature, name, surname)

Certified estimates' developer
S.P.

(name of the site)

**List with quantities of works No. 2-1-7
Guard warning (03/2021-1-SPA)**

Type of works

Bid currency - USD

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		Chapter 1. Mounting works		
		Chapter 1.1. Guard warning		
1	10-08-001-02	Receiver-devices: Reception and control devices "ПЦ", for starting. Concentrator: main block for 20 flashes (PC1832)	pcs	1.00
2	10-08-001-03	Receiver-devices: keyboard	10 pieces	0.10
3	10-08-003-03	Ultra-sound devices: supply and control block	pcs	2.00
4	08-03-575-1 adjusted	Mounting in the case the battery	pcs	1.00
5	10-08-003-04	Ultra-sound devices: Radio transmitter	pcs	1.00
6	10-08-002-05	Automated "SPA" alarms: for contact-hitting and movement	pcs	4.00
7	10-08-002-04	Automated "SPA" alarms: magnetic contact when opening the windows, doors	pcs	13.00
8	08-03-593-10	Wall-based light indicators - siren	100 pieces	0.01
9	08-02-409-1	Vinyl pipe on installed constructions, on walls and columns, fixing with clamps, diameter up to 25 mm	100 m	0.80
10	Supplier price	PE pipe for electrical fitting d=16 mm	m.l.	80.00
11	08-02-390-1	Plastic ditch with cover, section 22x10 mm, including all necessary accessories (bends, plugs, T-bends, slippers, etc.)	100 m	0.35
12	08-02-148-1	Cable up to 35 kV in pipes, blocks, and laid-down cases, mass 1 m up to: 1 kg	100 m	1.30
13	Supplier price	Signaling cable, halogen-free, shielded, no. conductors x section: 6 x 0.22 mm ²	m.l.	120.00
14	Supplier price	Cable ВВГнг(A)-FRLS 3x1.5 mm ²	m.l.	10.00
		Chapter 1.2. Video surveillance		
15	10-06-037-05	Boxes, boards with doses for installations through pipes: Wall-type box, size, mm, up to: 640x840 - RACK 19" 6U	pcs	1.00
16	08-03-575-1 adjusted	Mounting in the case the shelf for case 19"	pcs	1.00
17	08-03-575-1 adjusted	Mounting in the case the ventilation module	pcs	1.00
18	08-03-575-1 adjusted	Mounting in the case the modular Patch Panel with 24 stations	pcs	1.00
19	08-03-575-1 adjusted	Mounting in the case the organizer for cables	pcs	1.00
20	10-02-051-04	Laying, cable connection, conductors, bars: Deck for connecting cables in between the sections of a stand: without laying them in the cable ditch: Patch cord	100 pieces	0.07
21	Supplier price	Patch cord cat. 5e L=1.0 m	pcs	6.00
22	Supplier price	HDMI cable, L=10m	pcs	1.00
23	10-04-077-01	Station equipment: Video registrar	pcs	1.00
24	10-04-101-10	Subscription equipment and diverse devices: 3.5" HDD	pcs	1.00
25	08-03-575-1 adjusted	Mounting in the case the reserve supply block of UPS type	pcs	1.00
26	10-04-067-23	Video-control device - Monitor 27"	pcs	1.00
27	10-04-067-23	Video-control device video camera with mounting support	pcs	6.00
28	08-02-409-1	Vinyl pipe on installed constructions, on walls and	100 m	0.50

1	2	3	4	5
		columns, fixing with clamps, diameter up to 25 mm		
29	Supplier price	U-PVC corrugated pipe, 750N, d=20 mm	m.l.	50.00
30	08-02-390-1	Plastic ditch with cover, section 22x10 mm, including all necessary accessories (bends, plugs, T-bends, slippers, etc.)	100 m	0.10
31	08-02-411-1	Metallic hose, exterior diameter up to 48 mm	100 m	1.40
32	Supplier price	Metallic hose D=20 mm	m.l.	140.00
33	08-02-412-2	Introducing conductors in metal pipes and hoses: the first conductor is mono-strand or multi-strands in joint braiding, summary section up to 6 mm ²	100 m	2.30
34	Supplier price	Solid copper conductor cable 2x4x0.51 mm ² , 24AWG, cat.5e, and PVC insulation without halogen UTP cat.5e	m.l.	70.00
35	Supplier price	Solid copper conductor cable 2x4x0.51 mm ² , 24AWG, cat.5e, and PVC insulation without halogen UTP cat.5e OUT	m.l.	160.00
36	10-08-019-01	Different appliances with electrical-clock-display: ramification box	pcs	4.00
37	Supplier price	Distribution box IP65	pcs	4.00
		Total chapter 1 Mounting works	\$	
		Incl. salary	\$	
		Social Insurance, 24%	\$	
		Transportation costs, %	\$	
		Supply-storage costs, %	\$	
		Total	\$	
		Overhead costs, %	\$	
		Total	\$	
		Estimate benefit, %	\$	
		Total, chapter 1 Mounting works	\$	
		Including salary	\$	
		Chapter 2. Equipment		
		Chapter 2.1. Guard warning		
38	Supplier price	Receiving and control device for 8 zones with basic plate, expandable up to 32 cabled zones, of type PC=1832 with box	pcs	1.00
39	Supplier price	Keyboard type PC1555RKZ	pcs	1.00
40	Supplier price	Transformation block 30VA, according to standard SM SR EN 54-2 +AC:2010	pcs	1.00
41	Supplier price	Reserve supply block, capacity 7A/h of type PIII-12	pcs	1.00
42	Supplier price	Battery 12 V, capacity 7 Ah	pcs	1.00
43	Supplier price	Radio station LARS, LARS1, 1500mA, type ATS-100 or similar	pcs	1.00
44	Supplier price	Combined sensor: infrared + glass damage	pcs	4.00
45	Supplier price	Alarms of magnetic contact when opening the windows, doors	pcs	13.00
46	Supplier price	Flashing siren 11-14VDC; 250mA; 110db/m according to standard SM EN 54-3:2015	pcs	1.00
		Chapter 2.2. Video surveillance		
47	Supplier price	Telecommunication and network case RACK 19" 6U, 600x450x368 mm, door without secured glass, the back door of perforated metal, equipped with ventilation system with 2 ventilators and thermostat in the set	pcs	1.00
48	Supplier price	Perforated shelf for the case RACK 19", useful weight - up to 100 kg	pcs	1.00
49	Supplier price	Patch panel 24 ports, cat. 5e	pcs	1.00
50	Supplier price	Horizontal Cable organizer 1U	pcs	1.00
51	Supplier price	IP video registrar, with PoE supply, with min. 8 channels, with switch PoE 802.3af, 2 SATA interface, with 1 hard disks 6Tb for storage of images during 15 days in quality of min 2 Mp, power consumption max. 180 W, including the	pcs	1.00

1	2	3	4	5
		connection cables		
52	Supplier price	Hard disk for video surveillance, 6 Tb	pcs	1.00
53	Supplier price	Supply block UPS , 1550VA/900W, 200-240V, 50/6060 Hz	pcs	1.00
54	Supplier price	Monitor 27" IPS 1920x1080 VGA DP HDMI Speakers	pcs	1.00
55	Supplier price	Network video camera with external installation IP, 8Mp, 1/2.5" CMOS, 8.0Mp@25fps(3840Γ~2160), f2.8mm, /PoE/, IP67, including mounting accessories	pcs	4.00
56	Supplier price	Video camera IP: 3Mp, 1/3", 2304x1536@20fps, (2304Ч1536), f2.8mm, /PoE/, Mic., including mounting accessories	pcs	2.00
		Total, chapter 2 Equipment	\$	
		Supply-storage costs, %	\$	
		<u>Total, chapter 2 Equipment</u>	\$	
		Including salary	\$	
		<u>Total estimates:</u>	\$	
		Including salary	\$	

Bidder

(position, signature, name, surname)

Certified estimates' developer
S.P.

(name of the site)

List with quantities of works No. 4-1-1
Electricity supply 0,4kV (03/2021-REAE)

Type of works

Bid currency - USD

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		Chapter 1. Construction works		
1	RpEN04A	Dismantling the pillars	pcs	1.00
2	TsA02C	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 hard ground	m ³	2.16
3	TsD18C	Compacted filling of the ditches, for the buried cables of high voltage electricity lines, made with ground came from hard ground	m ³	1.44
4	34-02-003-1	Executing the pipe line from polyethylene pipes D=90 mm	1 km	0.003
5	33-04-003-4	Mounting the reinforced concrete pillars for joint suspension of the conduits LEA 0,38, 6-10 kV, without adds, on one single foot	pcs	1.00
6		Reinforced concrete pillars CB 105	pcs	1.00
7	33-04-017-1	Suspending the self-supported isolated electric conductors CIA-2A with the voltage from 0.4 kV to 1kV (with tension release): without the auto-hydro-elevator (standard 08-02-367-8 excluded from Indicator No. 8). The standards and brands of the resources with value 0 (zero) are taken according to the design.	1000 m	0.16
8	Supplier price	Self-supporting cable with aluminum conductors and cross-linked polyethylene insulation, neutral conductor made of aluminum alloy, insulated with polyethylene, voltage 1kV, HD 626 S1: 1996 with section 3x35 + 1x54.6 mm ²	m.l.	160.00
9		Anchorage console "CA 1500"	pcs	6.00
10		Anchorage clamp PA 1500	pcs	8.00
11		Stainless steel strip 20x0,7 - F2007	m	30.00
12		Buckle for metal strip A 200	pcs	30.00
13		Collars for SIP - CSB	pcs	25.00
14		Clamp P2X 95	pcs	14.00
15		Supporting clamp ES 1500	pcs	3.00
		Total chapter 1 Mounting works	\$	
		Incl. salary	\$	
		Social Insurance, 24%	\$	
		Transportation costs, %	\$	
		Supply - Storage costs, %	\$	
		Total	\$	
		Overhead costs, %	\$	
		Total	\$	
		Estimate benefit, %	\$	
		Total, chapter 1 Construction works	\$	
		Including salary	\$	
		Chapter 2. Mounting works		
16	08-03-523-1	Safety device, installed on insulating support, electricity up to 100 A	pcs	3.00

1	2	3	4	5
17	08-03-524-7	Box with a switch with three-polar trigger or with a switch with three-polar trigger and three locks, or three blocks "lock-switch" or three locks, mounted on construction flooring, with power up to 100A	pcs	1.00
18	08-03-573-4	Suspended command box (switchboard), height, width, and depth, mm, up to 600x600x350	pcs	1.00
19	08-03-521-1	Switcher with lever on a plate with central or lateral trigger or trigger with a bar, mounted on metallic support, mono-pole, power up to 250 A	pcs	1.00
20	08-03-600-2	Meters mounted on prepared support, with three phases	pcs	1.00
21	08-03-526-3	Mono-, bi-, three-pole automate, mounted on the wall or column construction, power up to 250	pcs	1.00
22	08-01-080-3	Device for measuring and protection, number of connected ends up to: 12 - pulse limiter	pcs	1.00
23	08-02-148-4	Cable up to 35 kV in pipes, blocks, and laid-down cases, mass 1 m up to: 6 kg	100 m	0.25
24	Supplier price	Power cables with aluminum conductors, XLPE insulated, zinc-coated steel strip, woven polyethylene insulation, galvanized, with protection hose of polyethylene. TY 31.3-00214534-048:2007, nominal voltage up to 1kV, type АПвБ6Шв 4x35 mm2	m.l.	25.00
25	08-02-142-1	Executing the bedding for one single cable in the ditch	100 m	0.03
26	Supplier price	Sand for territory planning	m ³	0.72
27	08-02-143-1	Covering the cable, placed in the ditch: with bricks, one single cable	100 m	0.03
28	Supplier price	Construction bricks 250x120x65 mm	pcs	48.00
29	33-04-030-1	Assembling the diffuser: with the help of mechanisms - surge limiter	set	6.00
30	08-02-160-1	Terminal cap from synthetic resins (epoxy) for cable with 3-4 conductors, pressure up to 1 kV, section of one conductor, up to: 70 mm2	pcs	2.00
31	Supplier price	Terminal plug 4КНТП-1 1kV 25-50 mm	pcs	2.00
32	08-02-411-2	Metallic hose, exterior diameter up to 60 mm	100 m	0.03
33	Supplier price	Metallic hose D=50 mm	m.l.	3.00
34	08-02-472-1	Grounding conductor: ground plate, horizontal, from round steel, diameter 25 mm	100 m	0.30
35	08-02-472-2 k=1.25	Grounding conductor: ground plate, horizontal, from strip steel, section 160 mm2 - k=1.25 (section 40x5 mm)	100 m	0.15
36	08-02-152-3	Cable metallic constructions, welded construction	t	0.05
37	08-03-574-6	Installations on devices and connecting the cable threads or conductors of exterior network to the blocks of the clamps and to the clamps of devices and mechanisms: cables or conductors, section up to 120 mm2	100 threads	0.08
38	Supplier price	Cable lug DL-50	pcs	8.00
		Total chapter 2 Mounting works	\$	
		Incl. salary	\$	
		<i>Social Insurance, 24%</i>	\$	
		<i>Transportation costs, %</i>	\$	
		<i>Supply - storage costs, %</i>	\$	
		<i>Total</i>	\$	
		<i>Overhead costs, %</i>	\$	
		<i>Total</i>	\$	
		<i>Estimate benefit, %</i>	\$	
		Total chapter 2 Mounting works	\$	
		Incl. salary	\$	
		Chapter 3. Equipment		
39	Supplier price	Safety ППНИ-33, In=80A, including the mounting support	set	3.00

1	2	3	4	5
40	Supplier price	Safety-switch-separator type ПБП-33	pcs	1.00
41	Supplier price	Case mounted on the wall IP-65, type BZUM-TF-02-100-11	pcs	1.00
42	Supplier price	Switcher with lever BP32-31 B7112, 3P, 100A	pcs	1.00
43	Supplier price	Electronic meter 380/220V; 5...100A , type "ZMG 310 CR"	pcs	1.00
44	Supplier price	Automatic switch with electronic trigger, 3-poles, In=125A (analogic BA88-32/3H/125A/25kA-MASTER)	pcs	1.00
45	Supplier price	Impulse limiter, class I(B) with 4 poles	pcs	1.00
46		Surge limiter LVA-440-CS	pcs	6.00
		Total, chapter 3 Equipment	\$	
		Supply-storage costs, %	\$	
		Total, chapter 3 Equipment	\$	
		Incl. salary	\$	
		Total estimates:	\$	
		Including salary	\$	

Bidder

(position, signature, name, surname)

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S.P.

(name of the site)

**List with quantities of works No. 6-1-1
External network of water supply and sewerage (03/2021-1-)**

Type of works

Bid currency - USD

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		Chapter 1. Construction works		
		Chapter 1.1. Sewerage		
1	TsA20B	Manual digging of land, in breakers, with canal embankment dug with the excavator or scraper for completing the cutting slopers, in middle ground	m ³	3.00
2	AcA08A	Assembling in the ground, outside the building, of the PP pipes, multi-layers, SN4, sealed with rubber fittings, with the diameter 110 mm	m	3.70
3		PVC bend SN4, 45* d110 mm	pcs	2.00
4	SA37I	Bracelet for fixing the pipes for water and gas supply, from steel or PVC, flush mounted through ducts having the diameter of 4"	pcs	1.00
5	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	m ³	0.30
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	m ³	2.70
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	m ³	2.70
		Chapter 1.2. Aqueduct		
8	DC04B	Cutting with the machines having diamond disks of the contraction and expansion joints in old concrete roads	m	222.40
9	TsC02D1	Mechanic digging with pneumatic excavator of 0,21-0,39 m3, with hydraulic command, in grounds with natural humidity, and auto unloading of field of cat. II.	100 m3	0.23
10	TsI51A10	Transportation of soil with the dumper of 10 t at a distance of 10 km	t	44.55
11	TsC02B1	Mechanic digging with pneumatic excavator of 0,21-0,39 m3, with hydraulic command, in grounds with natural humidity, and unloading on the field storage of cat. II.	100 m3	0.88
12	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	m ³	11.00
13	AcA54B	Assembling the fittings mechanically (screwing up). Mechanic combination between the pipe and the fitting (valves, T-bends, joints) from polyethylene, the pipes having the diameter of 50-110 mm. Note: Inlet type D=110x50 mm	pcs	1.00
14	AcA52A	Polyethylene pipe PE80, SDR17, PN10, for water supply tubes, mounted in ditch, with diameter 50 mm	m	111.20
15	AcF12A	The pressure-test for the polyethylene pipes mounted in channels for the water and sewerage supply, with diameter up to 100 mm	m	111.10
16	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	111.20

1	2	3	4	5
17	AcA54A	Assembling the fittings mechanically (screwing up). Mechanic combination between the pipe and the fitting (valves, T-bends, joints) from polyethylene, the pipes having the diameter of 20-40 mm. Note: Compression adapter 50x3/4 mm	pcs	2.00
18	SD12A	Non-return valve for connection with threaded sleeves, with the diameter 3/4"	pcs	1.00
19	AcE10A	Executing the manholes from the reinforced concrete pre-manufactured elements, for circular (ring-type) water supply, with diameter of 1,0 m, in the field without underground water	m ³	0.82
20	AcE10A1	Pre-manufactured reinforced concrete element of the manholes KИД-10	pcs	1.00
21	AcE10A1	Pre-manufactured reinforced concrete element of the manholes KИ 10-9	pcs	2.00
22	AcE10A1	Reinforced concrete pre-manufactured elements of the manholes KИИ1-10-1	pcs	1.00
23	AcE10A1	Reinforced concrete pre-manufactured elements of the manholes KИО-1	pcs	3.00
24		Ready-made steel ladder for manholes, including anti-corrosion protection type C1-03 (16.20 kg/pc)	kg	16.20
25	AcE10A1	Casting frame cover, passable, type C250	pcs	1.00
26	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	m ³	88.00
27	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	m ³	16.00
28	TsD05B	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 cohesive soil	100 m3	0.72
29	DA12B	Foundation or re-profiling layer from crushed stone M400, for roads, GOST8267-93, fraction 5-40 mm, with mechanical covering, executed with wedging without renewal	m ³	27.80
30	DI 107	Priming the surface of the main layers in order to apply a layer of asphaltic concrete	t	0.07
31	DB16D k=1.25	Asphalt concrete covering with small aggregates, executed in hot conditions, in thickness of 4.0 cm with manual laying (K=1.25, thickness 50 mm)	m ²	111.20
		Total chapter 1 Construction works Incl. salary	\$ \$	
		Social Insurance, 24%	\$	
		Transportation costs, %	\$	
		Supply-storage costs, %	\$	
		Total	\$	
		Overhead costs, %	\$	
		Total	\$	
		Estimate benefit, %	\$	
		Total chapter 1 Construction works Incl. salary	\$ \$	
		Chapter 2. Mounting works		
32	SF51A	The device for measuring the water flow with boundary, having the diameter of the branch pipe of 15-25mm	set	1.00
33	SE56A	Filter for drinking water, with threaded sleeves to be installed on the pipe, with the diameter 1" - 2"	pcs	1.00

1	2	3	4	5
		Total chapter 2 Mounting works	\$	
		Incl. salary	\$	
		Social Insurance, 24%	\$	
		Transportation costs, %	\$	
		Supply-storage costs, %	\$	
		Total	\$	
		Overhead costs, %	\$	
		Total	\$	
		Estimate benefit, %	\$	
		Total chapter 2 Mounting works	\$	
		Incl. salary	\$	
		Chapter 3. Equipment		
34	Supplier price	Cold water meter R160, class C, Dn=20 mm	pcs	1.00
35	Supplier price	Filter for impurities, type Y, with grate and sleeves, D=3/4"	pcs	1.00
		Total Equipment	\$	
		Supply-storage costs, %	\$	
		Total Equipment	\$	
		Incl. salary	\$	
		Total estimates:	\$	
		Including salary	\$	

Bidder

(position, signature, name, surname)

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S.P.

(name of the site)

List with quantities of works No. 7-1-1
Planning the territory (03/2021-PG)

Type of works

Bid currency - USD

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		Chapter 1. Demolishing works		
1	RpCS19B	Dismantling slabs made of precast plates	m ²	100.00
2	RpCS19G	Dismantling the sidewalk borders, laid on concrete	m	210.00
3	RpCB18F	Demolishing the old concrete with mechanic means, simple concrete	m ³	6.00
4	RpCG29C1	Demolishing with mechanical means the full brick walls, autoclaved aerated concrete, clay or light concrete blocks, perforated bricks, except for scaffold and cleaning the bricks for demolishing with mechanical means at the roof	m ³	53.00
5	RpCB18G	Demolishing the old concrete by mechanic means, reinforced concrete, supporting wall	m ³	7.00
6	RpCS20A	Dismantling the fences from strips, with the recovery of the materials	m	17.00
7	TsH92B	Loading soil with stones and boulders in trucks	t	168.68
8	TsI51A10	Transportation of soil with the dumper of 10 t at a distance of 10 km	t	168.68
		<u>Total, chapter 1 Demolishing works</u> <u>Including salary</u>	€ \$	
		Chapter 2. Systematization		
9	TsC35B1	Transport for excavation with frontal loader, for loading distances in motor vehicle with frontal loader on tracks of 0.5 to 0.99 m ³ , soil from land field of category II, at distances < 10 m	100 m ³	8.84
10	TsI51A10	Transportation of soil with the dumper of 10 t at a distance of 10 km	t	1 458.60
11	TsC51B	Works for unloading the soil in the storage, ground category II	100 m ³	8.84
		<u>Total, chapter 2 Systematization</u> <u>Including salary</u>	€ \$	
		Chapter 3. Pavement. Type 1		
12	TsE06B	Preparing the ground platform for placing one insulating layer or a layer of sand or ballast, by manual leveling and compacting with the self-propelled static roller compressor, 10-12 t, in cohesive soil	100 m ²	15.44
13	DA12B	Foundation or re-profiling layer from crushed stone M400, for roads, GOST8267-93, fraction 5-40 mm, with mechanical covering, executed with wedging without renewal	m ³	386.00
14	DE18A	Pavement made of vibropressed concrete paving slabs of 60 mm thick, laid on a layer of dry cement and sand mixture in the proportion 1: 6, embroidered with dry mixture of cement and sand, 5 cm thick layer	m ²	1,515.00
15	DE18A	GUIDING TACTILE Pavement made of vibropressed concrete paving slabs of 50 mm thick, laid on a layer of dry cement and sand mixture in the proportion 1: 6, embroidered with dry mixture of cement and sand, 5 cm thick layer	m ²	20.00
16	DE18A	WARNING TACTILE Pavement made of vibropressed concrete paving slabs of 50 mm thick, laid on a layer of dry cement and sand mixture in the proportion 1: 6, embroidered	m ²	9.00

1	2	3	4	5
		with dry mixture of cement and sand, 5 cm thick layer		
		Total, chapter 3 Pavement Type 1 Including salary	1\$ \$	
		Chapter 4. Asphalt Type 2		
17	TsE06B	Preparing the ground platform for placing one insulating layer or a layer of sand or ballast, by manual leveling and compacting with the self-propelled static roller compressor, 10-12 t, in cohesive soil	100 m ²	2.55
18	DA12B	Foundation or re-profiling layer from crushed stone M400, for roads, GOST8267-93, fraction 5-40 mm, with mechanical covering, executed with wedging without renewal	m ³	63.75
19	DI 107	Priming the surface of the main layers in order to apply a layer of asphaltic concrete	t	0.16
20	DB16D k=1.25	Asphalt concrete covering with small aggregates, executed in hot conditions, in thickness of 4.0 cm with manual laying (K=1.25, thickness 50 mm)	m ²	255.00
		Total, chapter 4 Asphalt Type 2 Including salary	1\$ \$	
		Chapter 5. Borders		
21	DE10C	Pre-manufactured concrete borders, for pavements 20x8 cm, on concrete foundation C12/15 28x20 (h) cm	m	135.00
22	DE10C	Pre-manufactured concrete borders, for pavement 30x15 cm, on concrete foundation C12/15 35x20 (h) cm	m	70.96
		Total, chapter 5 Borders Including salary	1\$ \$	
		Chapter 6. Coverage EPDM		
23	DA12B	Foundation or re-profiling layer from crushed stone M400, for roads, GOST8267-93, fraction 40-70 mm, with mechanical covering, executed with wedging without renewal	m ³	8.40
24	CG48A	Flooring of reinforced concrete C20/25 with the superior consolidated layer 20 cm thick, with welded mesh BP-1 diameter 5 mm, mesh cell 100x100 mm, executing the temperature deformation joints	m ²	56.00
25	CG48A1 k=10	Corrections: when changing the thickness with 10 mm	m ²	56.00
26	CG51A	Sports flooring cast on site, on existing concrete support, with total thickness of 16 mm, in 2 layers of which: - 8 mm lower layer of EDPM / SBR granules, 2-4 mm granulation with adhesives; - 8 mm top layer of EDPM granules, granulation 1-4 mm with adhesives, including surface treatment in concrete with primer based on quartz sand consumption - 0.21 kg/m ²	m ²	56.00
		Total, chapter 6 EPDM Coverage Including salary	1\$ \$	
		Chapter 7. 7. Bordered fence		
27	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	m ³	2.60
28	CA03D2	Cast concrete slabs, beams, columns, support walls, prepared with the concrete plant on the site and pouring with classical means of reinforced concrete Class C 15/12 (Bc 15/B 200)	m ³	2.60
29	CL17A	Diverse metallic confections, mounted apparently: galvanized pillars for fence, section 61x35x1.0 mm, h = 2.40 m, including plastic plugs for pillars - 26 pcs	kg	92.30
30	CL19A	Ready-made metal grilles: made of galvanized wire bordered fence panels h = 1.65 m, mesh panels 25x50 mm, including pole fasteners	m ²	101.00

1	2	3	4	5
31	CK14A	Ready-made metal gates made of bordered mesh, including the necessary accessories and steel poles - 1.0x1.65 (h) m - 3 pcs	m ²	4.95
		<u>Total chapter 7 Bordered fence</u> <u>Including salary</u>	1 \$	
		Chapter 8. Wooden fence		
32	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	m ³	7.74
33	CA03A2	Cast concrete slabs , beams , columns , prepared with the concrete plant and pouring with classical means of reinforced concrete Class C 5/4 (Bc 5/B 75)	m ³	1.12
34	CB03B	Formwork of reusable panels, with plywood of 15mm for pouring concrete in elevations, straight walls up to 6 m high inclusively, supporters being included	m ²	71.70
35	CC01E	Concrete steel fittings A240 shaped in construction shops, assembled with bars up to 8 mm diameter inclusively in continuous and radiation foundations	kg	111.37
36	CA03D2	Cast concrete slabs, beams, columns, support walls, prepared with the concrete plant on the site and pouring with classical means of reinforced concrete Class C 15/12 (Bc 15/B 200)	m ³	7.17
37	CN53A	Coating the internal surfaces with the primer based on quartz sand	m ²	58.80
38	CI22B	Concrete plywood plates (Cosauti stone type style) (for walls, columns, pilasters and window sills) fixed with adhesive for exterior works, size of the plates: up to 200 x 200 mm	m ²	58.80
39	CJ08A2	Profiles poured on site, mounted externally with bristles, with a width of up to 30 cm inclusive, with lime cement mortar M 50-T, with visible layer of stone dust mortar, rubbed with wire brush	m	44.80
40	CJ10C	Ready-made fence ridges 2000x330mm, machined, mounted externally, with contact surface between 0.126-0.5 m ² , with cement-lime mortar M 50-T, with visible layer of stone dust mortar, rubbed with brush wire	pcs	22.40
41	CO04A1	Wooden fences made with pillars having a distance of 1.2 m from axis to axis, mounted on raw hardwood poles, with planed softwood boards of 24 x 150 mm and softwood rulers of 58 x 75 mm, the height of the fence being 1.28 m	m	44.20
42	CN17A	Painting with alkyd raisins -based paints applied on the wooden carpentry, executed with 2 layers of alkyd enamel, including the primer	m ²	118.80
		<u>Total chapter 8 Wooden fence</u> <u>Including salary</u>	1 \$	
		Chapter 9. Railings		
43	CH06A	Stainless steel railing (including the current mine) mounted on supporters of 88 cm height, spaced at distances of 1.0 m provided with welded rings , fixed on concrete parapet, with current double mine (for persons with reduced mobility, according to design pl. PG8)	m	6.00
44	CH06A	Stainless steel railing (including the current mine) mounted on supporters of 88 cm height, spaced at distances of 1.0 m provided with welded rings , fixed on concrete parapet, with current double mine (ordinary, according to design pl. PG8)	m	41.64
		<u>Total, chapter 9 Railings</u> <u>Including salary</u>	1 \$	
		Chapter 10. Rain ditches		
45	CA03D2	Cast concrete slabs, beams, columns, support walls, prepared	m ³	1.60

1	2	3	4	5
		with the concrete plant on the site and pouring with classical means of reinforced concrete Class C 15/12 (Bc 15/B 200)		
46	DE16A	Groove mounting, Ditch POLYMAX BASIC DN100 H55 with galvanized metal grille A15 (1000x145x55 mm), in set with grille fasteners	pcs	7.00
47	DE16A	Groove mounting, Ditch POLYMAX BASIC DN100 H80 with galvanized metal grille A15 (1000x145x80 mm), in set with grille fasteners	pcs	7.00
48	DE16A	Groove mounting, Ditch POLYMAX BASIC DN100 H120 with galvanized metal grille A15 (1000x160x120 mm), in set with grille fasteners	pcs	6.00
49	DE16A	Groove mounting, Ditch POLYMAX BASIC DN100 H155 with galvanized metal grille A15 (1000x160x155 mm), in set with grille fasteners	pcs	6.00
50	DE16A	Groove mounting, Ditch POLYMAX BASIC DN100 H200 with galvanized metal grille A15 (1000x160x200 mm), in set with grille fasteners	pcs	5.00
51	DE03A1	Raw stone framing strips, placed on an average 10 cm thick cement concrete foundation	m ²	5.00
		<u>Total chapter 10 Rain ditches</u> <u>Including salary</u>	€ \$	
		Chapter 11. 11. Finishing the shed pos. 6b		
52	CE30A	Sheathing or valley flashing made of roofing tiles, Eternit type plates etc., softwood planks (100x50(h) mm thick, step 600 mm), used in ordinary constructions.	m ²	211.00
53	CE06C	Anticorrosive protected and profiled board covers, h=8 mm, thickness 0.45 mm, folded, RAL 7016, mounted on metal blades, executed on areas wider than 40 m2 with sheets of profiled board with self-tapping screws (on the upper flange of the metallic wedge) and consolidated with clenches, including the execution of valleys, aprons, connections to chimneys etc. (source)	m ²	211.00
		<u>Total Chapter 11. 11. Finishing the shed pos. 6b</u> <u>Including salary</u>	€ \$	
		Chapter 12. Green spaces		
54	TsH238B	Manual digging of holes to plant trees and shrubs in unfrozen soil, depth up to 0.4 m: - medium soil	pcs	1.00
55	TsH24C	Planting Acer Platanoides Drummondii, age 3-5 years old	pcs	1.00
56	TsH03A	Extracting the soil necessary for green spaces' planning, with the preservation of the structure, middle ground	m ³	3.00
57	TsH05D	Uniform spread of the vegetal ground layer, on horizontal areas or fields with a slope of 20%, preserving the structure, in layers of 30 cm thickness	m ²	8.64
58	TsH24C	Planting Catalpa Bignonioides Nana, age 3-5 years old	pcs	3.00
59	TsH24C	Planting Acer Palmatum Fireglow, age 3-5 years old	pcs	3.00
		<u>Total chapter 12</u> Green spaces <u>Including salary</u>	€ \$	
		Chapter 13. Urban furniture		
60	TsH91B	Installing garbage cans, per album I pl.2	pcs	7.00
61	TsH91A	Installing benches on 2 legs, per album I pl.3	pcs	11.00
62	TsH80C	Arranging the container for waste, weight over 200 kg	pcs	2.00
63		Container for waste, per album I pl.5	pcs	2.00
64	DE16B	Remanufactured vase from reinforced concrete 1200x1200 mm	pcs	6.00
65	TsH80C	Placing the anti-fire panel with sandbox, weight over 200 kg	pcs	7.00
66		Anti-fire protection panel, according to the design type 330-49, filled in with all accessories, including sand	pcs	1.00
67		Sandbox according to the design type 330-49, including the	pcs	6.00

1	2	3	4	5
		sand		
		<u>Total chapter 13 Urban furniture</u> Including salary	\$	
			\$	
		<u>Total, chapters 1-13</u> Incl. salary	\$	
		Social Insurance, 24%	\$	
		Transportation costs, %	\$	
		Supply - storage costs, %	\$	
		Total	\$	
		Overhead costs, %	\$	
		Total	\$	
		Estimate benefit, %	\$	
		<u>Total estimates:</u> Incl. salary	\$	
			\$	

Bidder

(position, signature, name, surname)

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S.P.