Domestic-fecaloid waste sewage collector on Prut, D.Cantemic, Livezilor, Eminescu, N.Balcescu Streets in Ungheni Municipality

(name of the site)

Form No. 1
WinCmeta2000

List with quantities of works

External networks for sewerage supply

(name of works)

Bid value: USD

No.	Symbol of the norm and resource code	Type of works	U.M.	Quantity	Price per unit of measure, USD (including the salary)	Total, USD, including salary
1	2	3	4	5	6	7
		Chapter 1. Construction works **Chapter 1.1. System C1** **Chapter 1.1.1. Demolishing and recovering the asphalt coating of the carriageway**				
1	DC04B	Cutting with the machines having diamond disks of the contraction and expansion joints in old concrete roads	m	1 380.00		
2	Dl109	Mechanized scrapping of the asphalt concrete coating h=10cm	m3	48.30		
3	TsC03G1	Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in trucks, ground cat. III (loading the asphalt coating)	100 m3	0.48		
4	TsI50E	Transportation of the asphalt covering with the trucks at a distance of 5 km	t	106.26		
5	TsC51C	Works for unloading the asphalt coating in the storage, ground category III	100 m3	0.48		
6	TsC54B	Foundation layer from crushed stone	m3	36.22		
7	TsC54B	Foundation layer from crushed stone (50% from the demolished ones)	m3	51.75		
8	DB19C	Asphalt concrete covering with big aggregates, executed in hot conditions, in thickness of 6.0 cm with manual laying	m2	483.00		
9	DB16D	Asphalt concrete covering with small aggregates, executed in hot conditions, in thickness of 4.0 cm with manual laying	m2	483.00		
		Chapter 1.1.2. Demolishing and recovering the gravel layer of the carriageway				
10	TsC03G1	Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in trucks, ground cat. III Gravel	100 m3	0.19		
11	TsC54B	Foundation layer from crushed stone	m3	9.61		
12	TsC54B	Foundation layer from crushed stone	m3	13.73		

1	2	3	4	5	6	7
		(50% from the demolished ones)				
		Chapter 1.1.3. Demolishing and recovering the pavement				
13	DC04B	Cutting with the machines having diamond disks of the contraction and expansion joints in old concrete roads	m	287.00		
14	Dl109	Mechanized scrapping of the asphalt concrete coating h4cm	m3	4.02		
15	TsC03G1	Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in trucks, ground cat. III (asphalt)	100 m3	0.04		
16	TsI50E	Transportation of asphalt with the trucks at a distance of 5 km	t	8.84		
17	TsC51C	Works for unloading the asphalt in the storage, ground category III	100 m3	0.04		
18	TsC03G1	Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in trucks, ground cat. III Gravel	100 m3	0.10		
19	TsC54B	Foundation layer from crushed stone	m3	5.02		
20	TsC54B	Foundation layer from crushed stone (50% from the demolished ones)	m3	5.02		
21	DB16D	Asphalt concrete covering with small aggregates, executed in hot conditions, in thickness of 4.0 cm with manual laying	m2	100.45		
		Chapter 1.1.4. Embankment works				
22	TsC03F1	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in trucks, ground cat. II.	100 m3	1.44		
23	TsC03B1	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in the storage ground cat. II.	100 m3	30.32		
24	TsA20B	Manual digging of land, in breakers, with canal embankment dug with the excavator or scraper for completing the cutting slopers, in middle ground	m3	98.22		
25	TsA04E1	Manual excavation of land, in confined space, having the width under 1m and maximum depth of 4.5 m, executed with supporters, with manual evacuation, in foundations, sewers, roads in soils with natural humidity, depth of digging 1.5-3 m of middle ground (intersections with A, G, C, El)	m3	98.72		
26	TsI50E	Transportation of soil surplus with the trucks at a distance of 5 km	t	230.70		
27	TsC51A	Works for unloading the soil in the storage, ground category I	100 m3	1.44		
28	TsD05A	Compacting with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness,	100 m3	3.77		

1	2	3	4	5	6	7
		excluding the watering of every layer separately, the earth fillings being executed from non-cohesive ground (soil layer under pipes 300 mm)				
29	TsD01B	Spreading with the shovel of light earth in uniform layers, 10-30 cm thick, with a throw of up to 3 m of piles , including smashing of earth bolls from the middle ground	m3	56.92		
30	TsD04C	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 20 cm of non-cohesive ground	m3	56.92		
31	TsD02B 1	Spreading the loose land coming from grounds of category I and II, executed with caterpillar tractor-based bulldozer 65-80 HP, in layers with thickness of 21-30 cm	100 m3	33.17		
32	TsD05A	Compacting with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from non-cohesive ground	100 m3	33.17		
33	TsF01D	Supporting sides, with beech boxes placed horizontally on excavations carried out in confined spaces, with width of up to 1.50 m between banks with depth of the digging of 2.01...4 m, inter-spaces between the boxes 0.21...0.60 m	m2	3 588.00		
34	TsF01B	Supporting sides, with beech boxes placed horizontally on excavations carried out in confined spaces, with width of up to 1.50 m between banks with depth of the digging of 0,00...2 m, inter-spaces between the boxes 0,21...0,60 m	m2	3 588.00		
35	AcF06A	Wooden supporters for cables or operating pipes, in digging of heavy category 8 pieces 1 piece 4m	m	32.00		
		Chapter 1.1.5. Pipes and fittings System C1				
36	AcA08A	Assembling in the ground, outside the building, the multi-layer PP pipes of 9m, sealed with rubber fittings, with the diameter 160 mm SN8	m	1 029.00		
37	AcA08B	Assembling in the ground, outside the building, the multi-layer PP pipes of 9m, sealed with rubber fittings, with the diameter 200 mm	m	765.00		
38	AcA10D	Assembling into the ground the pressure-type polyethylene pipes of high density, meant for water supply, assembled through head-to-head welding, according to the standard I-6-PE, with the diameter 325 mm (Protection tube)	m	179.00		
39	RpCU05 C1	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 (connection)	piece	2.00		

1	2	3	4	5	6	7
40	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete (Support for pipes d160mm - 120 pieces)	kg	607.2		
41		Ring plate 12.01	piece	480.00		
42		Nut ring M12x4.6	piece	240.00		
43		Cap screw M12x60.4.6C	piece	240.00		
44		Pipe d=57x3.0mm	m	96.00		
45		Pipe clip 1x80	kg	105.60		
		Chapter 1.1.6. Manholes construction works C1				
46	AcE13A	Executing the visiting manholes from the reinforced concrete pre-manufactured elements, for sewerage, circular (ring-type) with diameter of 1.0 m, in the field without underground water (47 pieces)	m3	32.87		
47	AcE14A	Executing the manholes from the reinforced concrete pre-manufactured elements, for sewerage, circular (ring-type) with diameter of 1.5 m, in the field without underground water (16 pieces)	m3	28.82		
48	AcE10A1	Pre-manufactured reinforced concrete elements КЦД-10	piece	47.00		
49	AcE10A1	Pre-manufactured reinforced concrete elements КЦП-1-10-1	piece	47.00		
50	AcE10A1	Pre-manufactured reinforced concrete elements КЦ-10-6	piece	29.00		
51	AcE10A1	Pre-manufactured reinforced concrete elements КЦ-10-9	piece	48.00		
52	AcE10A1	Pre-manufactured reinforced concrete elements КЦ0-1	piece	110.00		
53	AcD13A1	Pre-manufactured reinforced concrete elements КЦ7-3	piece	27.00		
54	AcE11A1	Pre-manufactured reinforced concrete elements , КЦП-1-15-1	piece	16.00		
55	AcE11A1	Pre-manufactured reinforced concrete elements КЦД-15	piece	16.00		
56	AcD14B1	Pre-manufactured reinforced concrete elements КЦ-15-6	piece	23.0		
57	AcE11A1	Pre-manufactured reinforced concrete elements КЦ-15-9	piece	26.00		

1	2	3	4	5	6	7
58	AcE10A 1	Pre-manufactured reinforced concrete elements КЦ0-1	piece	46.00		
59	AcD13A 1	Pre-manufactured reinforced concrete elements КЦ7-3	piece	20.00		
60	AcE13A 1	Cast iron end (T)	piece	63.00		
61	AcE12B 1	Ladder with steel string boards type C01.02.04.05.06.07.08.03,	piece	63.00		
62	IzD04A	Painting the metal garments and constructions with oil-based paint in 2 layers, executed on profiles with thickness between 8 mm and 12 mm inclusively, with manual brush	t	1.02		
63	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete (metallic elements)	kg	1 697.7		
64	TsC54B	Foundation layer from crushed stone Pitching	m3	16.850		
65	DB16B	Asphalt concrete covering with small aggregates, executed in hot conditions, in thickness of 3.0 cm with manual laying Pitching	m2	280.90		
		Direct costs	$			
		Social and health insurance	%			
		Transportation of materials	%			
		Storage costs	%			
		Total	$			
		Overhead costs	%			
		Total	$			
		Estimate benefit	%			
		Total	$			
		Topographic survey control	$			

Total estimates: $

Including salary $

Bidder _____

(position, signature)

_____

Domestic-fecaloid waste sewage collectors on Florilor, Titu Maiorescu, George Meniuc until Decebal Streets from Ungheni Municipality

(name of the site)

List with quantities of works

External domestic-fecaloid sewage

(name of works)

Bid value: USD

No.	Symbol of the norm and resource code	Type of works	U.M.	Quantity	Price per unit of measure, USD (including the salary)	Total, USD, including salary
1	2	3	4	5	6	7
		Chapter 1. Construction works **Chapter 1.1. System C1** **Chapter 1.1.1. Demolishing and recovering the asphalt layer of the carriageway**				
1	DC04B	Cutting with the machines having diamond disks of the contraction and expansion joints in old concrete roads	m	36.00		
2	Dl109	Mechanized scrapping of the asphalt concrete coating h=37mm	m3	4.66		
3	TsC03G1	Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in motor-cars, ground cat. III (loading the asphalt coating)	100 m3	0.05		
4	TsI50E	Transportation of the asphalt coating with the trucks at a distance of 5 km	t	10.72		
5	TsC51C	Works for unloading the asphalt coating in the storage, ground category III	100 m3	0.05		
6	TsC03G1	Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in motor-cars, ground cat. III Gravel	100 m3	0.02		
7	TsC54B	Foundation layer from crushed stone	m3	1.89		
8	DB12A	Chipping linking layer, hot-made, with manual covering	t	4.43		
9	DB16D	Asphalt concrete covering with small aggregates, executed in hot conditions, in thickness of 4.0 cm (6.0 cm) with manual laying K-1.5	m2	12.60		
		Chapter 1.1.2. Demolishing and recovering the gravel layer of the carriageway				
10	TsC03G1	Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in trucks, ground cat. III	100 m3	0.91		

1	2	3	4	5	6	7
		Gravel				
11	TsC54A	Foundation layer of sand	m3	85.41		
12	TsC54B	Foundation layer from crushed stone	m3	45.75		
13	TsC54B	Foundation layer from crushed stone (50% from the removed ones)	m3	45.75		
		Chapter 1.1.3. Embankment works				
14	TsC03F1	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in trucks, ground cat. II.	100 m3	1.31		
15	TsC03B1	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading into storage, ground cat. II.	100 m3	11.43		
16	TsA20B	Manual digging of land, in breakers, with canal embankment dug with the excavator or scraper for completing the cutting slopers, in middle ground	m3	39.38		
17	TsA04E1	Manual excavation of land, in confined space, having the width under 1m and maximum depth of 4.5 m, executed with supporters, with manual evacuation, in foundations, sewers, roads in soils with natural humidity, depth of digging 1.5-3 m of middle ground (intersections with A, G, C, T)	m3	123.72		
18	TsA16E1	Manual excavation of land in confined spaces, in layers up to 4 m deep, for high voltage cables and other communication, in ground with natural moisture with support, width <1 m, depth < 1.51-3 m, middle ground	m3	31.08		
19	TsI50E	Transportation of soil surplus with the trucks at a distance of 5 km	t	208.72		
20	TsC51A	Works for unloading the soil in the storage, ground category I	100 m3	1.31		
21	TsD01B	Spreading with the shovel of light earth in uniform layers, 10-30 cm thick, with a throw of up to 3 m of piles , including smashing of earth bolls from middle ground	m3	22.23		
22	TsD04C	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 20 cm of non-cohesive ground	m3	22.23		
23	TsD02B1	Spreading the loose land coming from the fields of category I and II, executed with caterpillar tractor-based bulldozer 65-80 HP, in layers with thickness of 21-30 cm	100 m3	14.45		
24	TsD05A	Compacting with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from non-cohesive ground	100 m3	14.45		

1	2	3	4	5	6	7
25	TsF01D	Supporting sides, with beech boxes placed horizontally on excavations carried out in confined spaces, with width of up to 1.50 m between banks with depth of the digging of 2.01...4 m, inter-spaces between the boxes 0.21...0.60 m	m2	1 737.00		
26	TsF01D	Supporting sides, with beech boxes placed horizontally on excavations carried out in confined spaces, with width of up to 1.50 m between banks with depth of the digging of 2.01...4 m, inter-spaces between the boxes 0.21...0.60 m	m2	1 737.00		
		Chapter 1.1.4. Pipes and fittings System C1				
27	AcA08A	Assembling in the ground, outside the building, the multi-layer PP pipes of 9m, sealed with rubber fittings, with the diameter 160 mm SN8	m	868.50		
28	AcA10C	Assembling into the ground the pressure-type polyethylene pipes of high density, meant for water supply, assembled through head-to-head welding, according to the standard I-6-PE, with the diameter 315 mm Joining tube	m	10.00		
29	AcA10D	Assembling into the ground the pressure-type polyethylene pipes of high density, meant for water supply, assembled through head-to-head welding, according to the standard I-6-PE, with the diameter 400 mm Joining tube	m	41.00		
30	RpCU05 C1	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 (connection)	piece	4.00		
31	RpAcA5 8A	Dismantling from the ground the high-density PE polyethylene pipes, with diameter 25 mm l=15m and 40 mm l=15m	piece	2.00		
32	AcA52A	Polyethylene pipe for water supply tubes, mounted in ditch, with diameter of ... Note: the type of the polyethylene pipe and of the warning strap will be included according to the design (existing pipe) 15m - d25 mm, 15m d-40mm	m	30.00		
33	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, concrete steel, pipes for supporting or covering, totally or partially embedded in concrete Support for pipes d160mm 34 pieces	kg	172.04		
34		Ring plate 12.01	piece	136.00		
35		Nut ring M12x4.6	piece	68.00		
36		Cap screw M12x60.4.6C	piece	68.00		
37		Pipe d=57x3.0mm	m	27.20		
38		Pipe clip 1x80	kg	29.92		
		Chapter 1.1.5. Manholes				

1	2	3	4	5	6	7
		construction works C1				
39	AcE13A	Executing the visiting manholes from the reinforced concrete pre-manufactured elements, for sewerage, circular (ring-type) with diameter of 1.0 m, in the field without underground water (32 pieces)	m3	14.92		
40	AcE14B	Executing the manholes from the reinforced concrete pre-manufactured elements, for sewerage, circular (ring-type) with diameter of 1,5 m, in the field with underground water (4 pieces)	m3	5.20		
41	AcE10A1	Pre-manufactured reinforced concrete elements КЦД-10	piece	32.00		
42	AcE10A1	Pre-manufactured reinforced concrete elements КЦП-1-10-1	piece	32.00		
43	AcE10A1	Pre-manufactured reinforced concrete elements КЦ-10-6	piece	27.00		
44	AcE10A1	Pre-manufactured reinforced concrete elements КЦ-10-9	piece	25.00		
45	AcE10A1	Pre-manufactured reinforced concrete elements КЦ0-1	piece	57.00		
46	AcD13A1	Pre-manufactured reinforced concrete elements КЦ7-3	piece	18.00		
47	AcE11A1	Pre-manufactured reinforced concrete elements , КЦП-1-15-1	piece	4.00		
48	AcE11A1	Pre-manufactured reinforced concrete elements КЦД-15	piece	4.00		
49	AcD14B1	Pre-manufactured reinforced concrete elements КЦ-15-6	piece	8.0		
50	AcE11A1	Pre-manufactured reinforced concrete elements КЦ-15-9	piece	5.00		
51	AcE13A1	Cast iron end (T)	piece	36.00		
52	AcE12B1	Ladder with steel string boards type C1-03,	piece	36.00		
53	IzD04A	Painting the metal garments and constructions with oil-based paint in 2 layers, executed on profiles with thickness between 8 mm and 12 mm inclusively, with manual brush	t	0.58		
54	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete (metallic elements)	kg	954.72		
55	TsC54B	Foundation layer from crushed stone Pitching	m3	11.4		

1	2	3	4	5	6	7
56	DB16B	Asphalt concrete covering with small aggregates, executed in hot conditions, in thickness of 3.0 cm with manual laying Pitching	m2	190.800		
		Direct costs	$			
		Social and health insurance	%			
		Transportation of materials	%			
		Storage costs	%			
		Total	$			
		Overhead costs	%			
		Total	$			
		Estimate benefit	%			
		Total	$			
		Topographic survey control	$			

Total estimates: **$**

Including salary **$**

Bidder _____

(position, signature)

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Discharge of waste water from the dwelling block on 15, O. Ungureanu Street, Ungheni Municipality

(name of the site)

List with quantities of works

Construction works Pump station

(name of works)

Bid value: USD

No.	Symbol of the norm and resource code	Type of works	U.M.	Quantity	Price per unit of measure, USD (including the salary)	Total, USD, including salary
1	2	3	4	5	6	7
		Chapter 1. Embankment works				
1	TsC03B2	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in clayish grounds dipped with water, and unloading in the storage, ground cat II.	100 m3	12.61		
2	TsD05B	Compaction with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil (Compacted ground layer in the foundation hole h=1m)	100 m3	0.27		
3	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 (filling back with soil)	m3	36.00		
4	TsD04C	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 20 cm of non-cohesive ground	m3	36.00		
5	TsD02A1	Spreading the loose land coming from the fields of category I and II, executed with caterpillar tractor-based bulldozer 65-80 HP, in layers with thickness of 15-20 cm (filling back with soil)	100 m3	11.75		
6	TsD05B	Compaction with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil	100 m3	11.75		
7	TsC26A1	Mechanical dislocation of the soil from the new storage, non-compacted and pushing it up to 5 m with the bulldozer on tractor of 65-80 HP on ground of cat. I or II (displacing the dug soil in the reserve and back)	100 m3	12.11		
8	TsC03F2	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in	100 m3	0.51		

1	2	3	4	5	6	7
		clayish grounds dipped with water, and unloading in trucks of ground cat. II.				
9	TsI50A1	Transportation of the ground with the dumper at a distance of 1 km (surplus of soil)	t	80.80		
10	TsC51B	Works for unloading the soil in the storage, ground category II	100 m3	0.51		

Total:

Direct costs $

Social and health insurance %

Transportation costs %

Storage costs %

Total $

Overhead costs %

Total $

Estimate benefit %

Total estimates: $

Including salary $

Bidder

(position, signature)

Discharge of waste water from the dwelling block on 15, O. Ungureanu Street, Ungheni Municipality

(name of the site)

List with quantities of works

Pump station for waste water. Equipment

(name of works)

Bid value: USD

No.	Symbol of the norm and resource code	Type of works	U.M.	Quantity	Price per unit of measure, USD (including the salary)	Total, USD, including salary
1	2	3	4	5	6	7
		Chapter 1. Equipment				
1	Standart park	Manholes. Pump station for waste water. RAINPARK or analogous From inside=2400mm, H=8400mm, equipped with 2 pumps GRUNDFOS SEG.40.12.2.50B or analogous, (Q=6,5 m3/hour, H=15 m, N=1,2 kW)	piece	1.000		

Total:

Total estimates:

Bidder _____

(position, signature)

Discharge of waste water from the dwelling block on 15, O. Ungureanu Street, Ungheni Municipality

(name of the site)

List with quantities of works

External networks for domestic sewerage

(name of works)

Bid value: USD

No.	Symbol of the norm and resource code	Type of works	U.M.	Quantity	Price per unit of measure, USD (including the salary)	Total, USD, including salary
1	2	3	4	5	6	7
		Chapter 1. Construction works **Chapter 1.1. Embankment works**				
1	TsC03B2	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in clayish grounds dipped with water, and unloading in the storage, ground cat. II	100 m3	2.448		
2	TsA02E	Manual excavation of land in confined spaces , having 1.00m or more in width, made without support, with sloping embankment foundations, channels, basements, drainage ways, stairs, in very cohesive or medium cohesive ground, with a depth up to 1.5 m middle ground	m3	7.570		
3	TsA04E1	Manual excavation of land, in confined space, having the width under 1m and maximum depth of 4.5 m, executed with supporters, with manual evacuation, in foundations, sewers, roads in soils with natural humidity, depth of digging 1.5-3 m of middle ground (intersections with A, C,)	m3	32.260		
4	TsA16E1	Manual excavation of land in confined spaces, in layers up to 4 m deep, for high voltage cables and other communication, in ground with natural moisture with support, width <1 m, depth < 1.51-3 m, middle ground	m3	40.930		
5	TsD05B	Compaction with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil (layer h-0.3 m under the pipe)	100 m3	0.372		
6	TsC03F2	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in clayish grounds dipped with water, and unloading in trucks of ground cat. II (surplus of soil for transportation)	100 m3	0.161		
7	TsI50A1	Transportation of the ground with the dumper of 5 t at a distance of 1 km	t	25.810		
8	TsC51B	Works for unloading the soil in the	100 m3	0.161		

1	2	3	4	5	6	7
		storage, ground category II				
9	TsD01B	Spreading with the shovel of light earth in uniform layers, 10-30 cm thick, with a throw of up to 3 m of piles , including smashing of earth bolls from the middle ground	m3	102.510		
10	TsD04C	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 20 cm of non-cohesive ground	m3	102.510		
11	TsD02A1	Spreading the loose land coming from the fields of category I and II, executed with caterpillar tractor-based bulldozer 65-80 CP, in layers with thickness of 15-20 cm	100 m3	2.392		
12	TsD05B	Compaction with the mechanical knocker of 150-200 kg filling in the successive layers of 20-30 cm thickness, excluding the watering of every layer separately, the earth fillings being executed from cohesive soil	100 m3	2.392		
13	TsF01B	Supporting sides, with beech boxes placed horizontally on excavations carried out in confined spaces, with width of up to 1.50 m between banks with depth of the digging of 0,00...2 m, inter-spaces between the boxes 0,21...0,60 m	m2	901.120		
		Total Chapter 1.1.	**$**			
		Including salary	**$**			
		Chapter 1.2. Intersection with the carriageway, including dismantling the carriageway coating (B=1m)				
14	DC04B	Cutting with the machines having diamond disks of the contraction and expansion joints in old concrete roads	m	16.000		
15	DI109	Mechanized scrapping of the asphalt concrete coating h=22cm	m3	1.760		
16	DI118	Mechanized scrapping of the coating of crushed stone h=26cm	m3	2.080		
17	TsC03F2	Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in clayish grounds dipped with water, and unloading in trucks of ground cat. II (dismantling sand h=15cm)	100 m3	0.012		
18	TsC03G1	Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in trucks, ground cat. III (loading the asphalt concrete coating + gravel + sand)	100 m3	0.050		
19	TsI50A9	Transportation of (asphalt + gravel + sand) with the dumper of 5 t at a distance of 9 km	t	8.530		
20	TsC51C	Works for unloading the soil in the storage, ground category III (demolished gravel coating + asphalt)	100 m3	0.050		
21	TsC54B	Foundation layer from crushed stone h=26cm	m3	2.080		

1	2	3	4	5	6	7
22	TsC54A	Foundation layer of sand h=15cm	m3	1.200		
23	DB19G k=2.5	Asphalt concrete covering with big aggregates, executed in hot conditions, in thickness of 6.0 cm with mechanic laying h=15cm	m2	8.000		
24	DB16H k=1.75	Asphalt concrete covering with small aggregates, executed in hot conditions, in thickness of 4.0 cm with mechanical laying (h=7cm)	m2	8.000		
		Total Chapter 1.2..	**$**			
		Including salary	**$**			
		Chapter 1.3. Pipes and fittings Chapter 1.3.1. C1 domestic sewage networks				
25	AcA08B	Assembling in the ground, outside the building, the PVC pipes of 9m, sealed with rubber fittings, with the diameter SN8 d200 mm	m	43.500		
26	AcA08A	Assembling in the ground, outside the building, the PVC pipes of 9m, sealed with rubber fittings, with the diameter SN4 d160 mm	m	5.500		
27	AcA10B	Assembling into the ground the pressure-type polyethylene pipes of high density, meant for water supply, assembled through head-to-head welding, according to the standard I-6-PE, with the diameter 200 mm (PEHD PE 100 PN10 SDR17)	m	4.000		
28	SB09G	The connecting piece from plastic for sewerage, combined with rubber case, having a diameter of 200 mm (bend 90 of PVC SN8 d-200mm)	piece	1.000		
29	SB09G	The linking piece from plastic for sewerage, combined with rubber case, having a diameter of 200 mm (plain T-bend 90 of PVC SN8 d-200mm)	piece	1.000		
30	SB07G	Installing a PVC plug of light type (U), for sewerage PVC pipes of light type (U), with the diameter of 160 mm (Flange end of PE 100 PN10)	piece	2.000		
31	AcA31B	Assembling through electrical welding of the flanges or linking pieces from steel, at the end of the pipes, with the diameter of 200 mm	piece	2.000		
		Chapter 1.3.2. Cpr 1 under-pressure sewerage networks				
32	SB09C	The connecting piece from plastic for sewerage, combined with rubber case, having a diameter of 50 mm (electro-fusional sleeve with flange made of PE 100 PN10 d63/50)	piece	8.000		
33	AcA24A	Joining with sleeves the connecting the cast iron elements or fittings at the pressure pipes, having the diameter of 50-100 mm (cast iron T-bend with flanges d50mm)	piece	2.000		
34	SB13A	The connecting piece from plastic for sewerage, combined with head-to-head welding, having a diameter of 40-75 mm (electro-welded bend 90 PE100 PN10 d63mm)	piece	2.000		
35	AcA04A	Mounting in the ground the steel pipes, assembled via electrical welding, with	m	0.200		

1	2	3	4	5	6	7
		the diameter of 60 mm				
36	AcA31A	Assembling through electrical welding of the flanges or linking pieces from steel, at the end of the pipes, with the diameter of 50-100 mm (Free welded flange d50mm)	piece	4.000		
37	AcA04A	Mounting in the ground the steel pipes, assembled via electrical welding, with the diameter of 20 mm (12 pieces l=0.2m)	m	2.400		
38	AcA31A	Assembling through electrical welding of the flanges or linking pieces from steel, at the end of the pipes, with the diameter of 50-100 mm (blind flange d50mm)	piece	2.000		
39		Stern M16x250 GOST22042-76	piece	12.000		
40		Hexagonal bolt nut GOST 25915-70	piece	24.000		
41	AcA10A	Assembling into the ground the pressure-type polyethylene pipes of high density, meant for water supply, assembled through head-to-head welding, according to the standard I-6-PE, with the diameter 63 mm (Polyethylene pipe PEHD PE100 PN10 SDR17)	m	166.000		
		Total Chapter 1.3.	**$**			
		Including salary	**$**			
		Chapter 1.4. Manholes construction works				
42	AcE13B	Executing the manholes from the reinforced concrete pre-manufactured elements, for sewerage, circular (ring-type) with diameter of 1.0m, in the field with underground water (1 piece)	m3	0.610		
43	AcE14B	Executing the manholes from the reinforced concrete pre-manufactured elements, for sewerage, circular (ring-type) with diameter of 1.5 m, in the field with underground water (2 pieces)	m3	4.545		
44	AcE11B	Executing the manholes from the reinforced concrete pre-manufactured elements, for circular (ting-type) water supply, with diameter of 1.5 m, in the field with underground water (2 pieces)	m3	3.020		
45	AcE10A1	Pre-manufactured reinforced concrete elements КЦД-10	piece	1.000		
46	AcE10A1	Pre-manufactured reinforced concrete elements КЦ-10-9	piece	1.000		
47	AcE10A1	Pre-manufactured reinforced concrete elements КЦП-1-10-2	piece	1.000		
48	AcE11A1	Pre-manufactured reinforced concrete elements КЦД-15	piece	4.000		
49	AcD14B1	Pre-manufactured reinforced concrete elements КЦ-15-6	piece	1.000		
50	AcE11A1	Pre-manufactured reinforced concrete elements КЦ-15-9	piece	11.000		

1	2	3	4	5	6	7
51	AcE11A1	Pre-manufactured reinforced concrete elements , КЦП-1-15-1	piece	4.000		
52	AcE10A1	Pre-manufactured reinforced concrete elements КЦ0-1	piece	12.000		
53	AcD13A1	Pre-manufactured reinforced concrete elements КЦ7-3	piece	3.000		
54	AcE13A1	Cast iron end (T)	piece	5.000		
55	AcE12B1	Ladder with steel string boards type C1-03, (1 piece=16.2kg)	piece	5.000		
56	IzD04A	Painting the metal garments and constructions with oil-based paint in 2 layers, executed on profiles with thickness between 8 mm and 12 mm inclusively, with manual brush	t	0.081		
57	CL18A	Diverse metallic confections from rolled profiles, plate, checker plate, steel, concrete, pipes for supporting or covering, totally or partially embedded in concrete (metallic elements)	kg	123.120		
58	TsC54B	Foundation layer from crushed stone Pitching	m3	4.300		
59	DB16B	Asphalt concrete covering with small aggregates, executed in hot conditions, in thickness of 3.0 cm with manual laying Pitching	m2	26.500		
		Total Chapter 1.4.	**$**			
		Including salary	**$**			
		Total Direct costs chapter .1	$			
		Social Insurance	22.50 %			
		Transportation costs	%			
		Storage costs	%			
		Total	$			
		Overhead costs	%			
		Total	$			
		Estimate benefit	%			
		Total Chapter 1.	**$**			
		Including salary	**$**			
		Chapter 2. Mounting works				
60	AcB01C	Assembling the fitting with manual or mechanic triggering (valves, taps, faucets) on the water supply or sewerage pipes, with the diameter 200-250 mm (kit of cast iron shutter, enameled, with flanges and rubber blade, with fixed stern and street cast iron box d200mm)	piece	1.000		
61	AcB01A	Assembling the fitting with manual or mechanic triggering (gate) on the water supply or sewerage pipes, with the diameter 50mm (Cast iron gate,	piece	3.000		

1	2	3	4	5	6	7
		enameled, with flanges and rubber blade d50mm)				
		Direct costs	$			
		Social and health insurance	22.50 %			
		Total	$			
		Overhead costs	%			
		Total	$			
		Estimate benefit	$			
		Total Chapter 2.	**$**			
		Including salary	**$**			
		Chapter 3. Equipment				
62		Kit of cast iron shutter, enameled, with flanges and rubber blade, with fixed stern d200mm	piece	1.000		
63		Street box for cast iron strand	piece	1.000		
64		Cast iron strand, enameled, with flanges and rubber blade d50mm	piece	3.000		
		Direct costs	$			
		Storage costs	%			
		Total Chapter 3.	**$**			
		Including salary	**$**			
		Topographic survey control	**$**			

Total: **$**

Total estimates:

Including salary **$**

Bidder _____

(position, signature)

Discharge of waste water from the dwelling block on 15, O. Ungureanu Street, Ungheni Municipality

(name of the site)

List with quantities of works

Pump station (mounting the equipment)

(name of works)

Bid value: USD

No.	Symbol of the norm and resource code	Type of works	U.M.	Quantity	Price per unit of measure, USD (including the salary)	Total, USD, including salary
1	2	3	4	5	6	7
		Chapter 1. Mounting works				
1	AcC05A	Mounting on the existing stand the obsolete water pumps, with horizontal axis, with the diameter of the suction inlet of 2"-4"	piece	1.000		
2	04-01-001-2	Bridge with single opening, command from the flooring, the lifting height - 6, 12, 18 m, speed: lifting - 8m/min, moving the pulley block - 20 m/min, moving the bridge - 32 m/min, lifting capacity 2 t	1 bridge	1.000		
		Direct costs	$			
		Social and health insurance	22.50 %			
		Transportation of materials	%			
		Storage costs	%			
		Total	$			
		Overhead costs	%			
		Total	$			
		Estimate benefit	%			
		Total Chapter 1.	**$**			
		Including salary	**$**			
		Chapter 2. Equipment				
3		Cable-based electrical tackle block with weight lifting 2t,10 A/1,2A N=3kwt Bridge with single opening, command from the flooring, the lifting height - 6, 12, 18 m, speed: lifting - 8m/min, moving the pulley block - 20 m/min, moving the bridge - 32 m/min, lifting capacity 2 t	1 k-t	1.000		
		Direct costs	$			
		Storage costs	%			

Total estimates: **$**

Including salary **$**

Bidder _____

(position, signature)

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Discharge of waste water from the dwelling block on 15, O. Ungureanu Street, Ungheni Municipality

(name of the site)

List with quantities of works

External networks for electricity supply

(name of works)

Bid value: USD

No.	Symbol of the norm and resource code	Type of works	U.M.	Quantity	Price per unit of measure, USD (including the salary)	Total, USD, including salary
1	2	3	4	5	6	7
		Chapter 1. Construction works for the electricity network **Chapter 1.1 Earthworks**				
1	TsA16C1	Manual excavation of land in confined spaces, in layers up to 4 m deep, for high voltage cables, in ground with natural moisture without support, width <1 m, depth < 1.5 m, hard ground	m3	20.10		
2	TsD18B	Compacted filling of the ditches, for the buried cables of high voltage electricity lines, made with ground came from medium grounds	m3	15.00		
3	AcF03A	Fillings in the trenches of the pipes for water supply or sewerage, as substrate, protection layer, insulating layer or filtering layer for the drainage tubes, made with sand	m3	4.55		
4	10-1	Bricks	piece	540.00		
5	TsC03F1	Mechanic digging with excavator of 0.40-0.70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading in trucks, ground cat. II (loading the surplus of soil)	100 m3	0.05		
6	TsI50A9	Transportation of the ground with the dumper of 5 t at a distance of 9 km	t	8.11		
7	TsC51B	Works for unloading the soil in the storage, ground category II	100 m3	0.05		
8	34-02-003-1	Executing the pipe line from polyethylene pipes: up to 2 holes PE 110mm	1 km	0.004		
9	Company price	PVC pipe 110mm	m	4.00		
10	AcA04A	Mounting in the ground the steel pipes, assembled via electrical welding, with the diameter of 50 mm	m	2.00		
		Direct costs	$			
		Social and health insurance	22.50 %			
		Transportation of materials	%			

1	2	3	4	5	6	7
		Storage costs	%			
		Total	$			
		Overhead costs	%			
		Total	$			
		Estimate benefit	%			
		Total Chapter 1.	**$**			
		Including salary	**$**			
		Chapter 2. Mounting works				
11	08-03-521-28	Switch on a plate with triggering device, mounted on metal support, 3P, power up to 250 A РПС-2 40A	piece	1.00		
12	08-03-523-1	Safety device, installed on insulating support, electricity up to 100. ППНИ 40A	piece	3.00		
13	08-03-573-6	Suspended command box (switchboard), height, width, and depth, mm, up to 1200x600x500,BZUM-TF-01-63	piece	1.00		
14	08-03-575-1	Device or appliance dismantled before transportation	piece	2.00		
15	Company price	Power switch 380 V ВН/3Р/32А	piece	1.00		
16	Company price	Automated switch ВА47-29/3/20А/С	piece	1.00		
17	08-03-600-2	Meters mounted on prepared support, with three phases	piece	1.00		
18	08-02-142-1	Executing the bedding for one single cable in the ditch	100 m	0.85		
19	08-02-141-1	Cable up to 35 kV in ditches executed without covering, mass 1 m up to: 1 kg	100 m	0.79		
20	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	0.06		
21	Company price	Force cable АПвБШп 4х10mm2	m	65.00		
22	Company price	Cable АПвБбШп 5х10-1	m	20.00		
23	08-02-143-1	Covering the cable, placed in the ditch: with bricks, one single cable	100 m	0.85		
24	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	piece	5.00		
25		Terminal cap from synthetic resins 5х10mm2 RAYHEM	piece	5.00		

1	2	3	4	5	6	7
26	08-02-472-5	Conductor for earthing, masked in a leveling ground flooring, from steel bands, diameter 12 mm (d=20mm)	100 m	0.30		
27	08-02-471-4	Ground plate, vertical, from round steel, diameter 20 mm	10 pieces	0.30		
28	08-03-481-4	Installing the machines on gliding frame or metallic plate, weight up to 0.25 t (diesel generator)	piece	1.00		
		Direct costs	$			
		Social and health insurance	22.50 %			
		Transportation of materials	%			
		Storage costs	%			
		Total	$			
		Overhead costs	%			
		Total	$			
		Estimate benefit	%			
		Total Chapter 2.	**$**			
		Including salary	**$**			
		Chapter 3. Equipment				
29	Company price	Switch with lever РПС-20А	piece	1.00		
30	Company price	Safety catch ППНИ-33	piece	3.00		
31	Company price	Case BZUM-TF-01-63	piece	1.00		
32	Company price	Electricity meter in three phases Landis Gyr 5219A, 5-30A,380V or analogous	piece	1.00		
33	Company price	Diesel generator with block AVR 380/220V,12kVA	piece	1.00		
		Direct costs	$			
		Storage costs	%			
		Total Chapter 3.	**$**			
		Including salary	**$**			
		Topographic survey control	**$**			

Total estimates: **$**

Including salary **$**

Bidder _____

(position, signature)

Discharge of waste water from the dwelling block on 15, O. Ungureanu Street, Ungheni Municipality

(name of the site)

Form No. 1
WinCmeta2000

List with quantities of works

Automatics Pump station

(name of works)

Bid value: USD

No.	Symbol of the norm and resource code	Type of works	U.M.	Quantity	Price per unit of measure, USD (including the salary)	Total, USD, including salary
1	2	3	4	5	6	7
		Chapter 1. Mounting works				
1	11-03-001-01	Devices installed on metal constructions, panels, and switchboards: device, mass, kg, up to: 5	piece	3.000		
		Direct costs	$			
		Social and health insurance	%			
		Transportation of materials	%			
		Storage costs	%			
		Total	$			
		Overhead costs	%			
		Total	$			
		Estimate benefit	%			
		Total Chapter 1.	**$**			
		Including salary	**$**			
		Chapter 2. Equipment				
2		CIM 260 3G/4G EU cellular interface (see sketch 2 25/20-CE Specifications for Pump Station photo 16)	piece	1.000		
3		Battery Li-ion for CIM 260 (see sketch 2 25/20-CE Specifications for Pump Station photo 17)	piece	1.000		
4		2G/3G/4G Antenna for CIM Roof Mounting (see sketch 2 25/20-CE Specifications for Pump Station photo 18)	piece	1.000		
		Direct costs	$			
		Storage costs	%			

Total estimates: $

Including salary $

Bidder _____

(position, signature)

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