

## TECHNICAL SPECIFICATIONS FOR PRICE QUOTATION

1 Name of the beneficiary: Cahul Mayoralty

2. Organizer of the procurement procedure: UNDP Moldova

3. Procurement object **Renovating the public street lighting system and building an integral smart network in Cahul municipality, PT-2**

**Bid Offer - USD**

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		<b>1. Construction works</b>		
1	33-04-042-1	Dismantling the existing metallic pillar	pcs	1.000
2	33-04-017-1k=0.5	Dismantling the existing air СИП cable	1000 m	0.400
3	33-04-017-1	Installing a self-supporting insulated conductor (** AL), laid together with the existing LEA 0.4kV, on reinforced concrete pillars up to 29 pillars / km	1000 m	1.720
4	33-04-014-2k=0.5	Dismantling the existing street light fittings (RKU)	pcs	50.000
5	33-04-014-2	Assembling the light fitting	pcs	81.000
6	33-04-030-1	Assembling LST of metallic oxides on cable **AL	pcs	4.000
7	33-03-004-1	Grounding the LST of metallic oxides	set	2.000
8	33-04-016-2	Transporting the structures and materials - concrete pillars and metallic pillars	pcs	17.000
9	33-04-003-16	Assembling and installing the concrete pillars	pcs	8.000
10	Supplier price	Concrete pillars SET 10.5-5	pcs	7.000
11	Supplier price	Concrete pillars SET 9.5-2	pcs	1.000
12	33-03-004-1	Mechanized beating of vertical grounding outlets LEA and IDD 35-750 kV, at depth up to 5 m, D-16 mm	pcs	17.000
13	33-01-016-1	Installing the metallic pillars	t	0.666
14	Supplier price	Galvanized metallic pillar 6m high CC 6m 62/146/4	pcs	3.000

1	2	3	4	5
15	Supplier price	Cast iron metallic pillar, with double console, 3.44m high, equipped with Led bulb, 2x50W-SI-2	pcs	6.000
16	33-03-004-1	Mechanized beating of vertical grounding outlets with diam. of 20 mm, at depth up to 3 m	pcs	9.000
17	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01, poured with classical means, simple concrete class C15	m <sup>3</sup>	1.800
18	TsA16D1	Manual digging of the soil, in limited spaces, for installing the pillars	m <sup>3</sup>	10.000
19	TsG03A	Clearing works	100 m <sup>2</sup>	0.500
20	33-04-007-1	Assembling reinforced concrete plates II-3u	pcs	1.000
21	TsA16B1	Manual digging of the soil, in ditches, for low voltage electrical cables, width <1m, depth <0.8 m, medium ground	m <sup>3</sup>	23.000
22	08-02-142-1	Executing the bedding for one single cable in the ditch	100 m	1.150
23	Supplier price	Sand	m <sup>3</sup>	8.000
24	08-02-143-1	Covering the cable, placed in the ditch: with bricks, one single cable	100 m	1.250
25	Supplier price	Crushed stone M400 fr.20-30	m <sup>3</sup>	0.150
26	404-23	Bricks	pcs	500.000
27	RpEJ04B	Cable laying works: soil filling, executed in horizontal layers 20-30 cm thick, well-watered and beaten with the manual knocker	m <sup>3</sup>	15.000
28	34-02-003-1	Executing the pipe line from polyethylene pipes PE diam50 (PEND)	1 km	0.115
29	DG01A	Pulling apart pavement or foundations from rough stone, boulders or chipping of rough stone or of boulders posed on sand	m <sup>2</sup>	130.000
30	DE18A	Pavement made of precast concrete paving	m <sup>2</sup>	130.000

1	2	3	4	5
		slabs 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 From dismantling works		
31	<u>DE18A</u>	Pavement made of precast concrete paving slabs 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 10% of new surface	m <sup>2</sup>	13.000
32	TsH92A	Loading the waste into the dumper	t	0.700
33	TsI50A5	Transporting dismantled materials at a distance of 5km	t	0.700
		<u>Total direct costs</u> Including salary	<u>US\$</u> US\$	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b>US\$</b>	
		<b>2. Mounting works</b>		
34	08-02-363-1k=0.5	Dismantling existing consoles for light fitting	pcs	50.000
35	08-02-363-1	Assembling the consoles	pcs	52.000
36	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm <sup>2</sup> in the console tube	100 m	0.980
37	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm <sup>2</sup> in corrugated tube with diam. 20 mm	100 m	0.520
38	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm <sup>2</sup> in the tube of the metallic pillar	100 m	0.420
39	08-03-573-4	Assembling the metallic boards	pcs	2.000
40	08-03-600-2	Meters mounted on prepared support, with three phases 5-100A,380V	pcs	1.000
41	08-03-575-1	Device or appliance dismantled before transportation, contactor	pcs	1.000

1	2	3	4	5
42	08-03-575-1	Device or appliance dismantled before transportation, automatic breaker	pcs	4.000
43	08-03-575-1	Device or appliance dismantled before transportation, load separator	pcs	2.000
44	08-01-087-3	Metallic constructions	t	0.050
45	08-01-061-1	Assembling the pass-through fusible plug	pcs	69.000
46	08-02-410-1	Corrugated polyethylene pipe, diameter up to 20 mm	100 m	0.680
47	08-02-411-2	Laying corrugated metallic tube d 50mm on construction	100 m	0.270
48	08-02-148-1	Laying cable *AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.170
49	08-02-148-1	Laying cable **AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.030
50	08-01-085-1	Board with complete distribution installations	pcs	1.000
51	08-03-641-7	Assembling the connection box inside the metallic pillar	pcs	6.000
52	08-02-148-1	Cable up to 35 kV in pipes, **Cu 2x16mm <sup>2</sup> in PE tube	100 m	1.150
53	08-02-141-1	Cable up to 35 kV in ditches **Cu 2x16 mm <sup>2</sup> in ditches	100 m	1.150
54	08-02-148-1	Cable up to 35 kV in pipes, laid,**Cu 2x16mm <sup>2</sup> in corrugated tube, diam. 50, in foundation	100 m	0.150
55	08-02-411-2	Laying corrugated tube d 50mm on constructions	100 m	0.070
56	08-02-148-1	Cable up to 35 kV in pipes, laid,**Cu 2x16mm <sup>2</sup> in corrugated tube, diam. 50, on constructions	100 m	0.070
57	08-02-407-3	Metallic pipe 50x50mm	100 m	0.050
58	08-02-407-4	Metallic pipe 80x80mm	100 m	0.090
59		Materials	pcs	0.000
60	Supplier price	Console for light fitting diam. 40-60mm K1-	pcs	13.000

1	2	3	4	5
		1.0- 0.5 0*		
61	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.0 0*	pcs	39.000
62	Supplier price	Power cable with Cu conductive wires, with insulation and rubber sheath, which does not spread the flame, with section 3x2.5mm2 * Cu	m	210.000
63	Supplier price	Power cable with Al conductive wires, with insulation and PVC sheath, which does not spread the flame, with section 4x25 mm2 * Al	m	17.000
64	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 2x25mm2 ** Al	m	1 540.000
65	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 4x25mm2 ** Al	m	180.000
66	Supplier price	Multi-wired power cable made of Cu, with polyvinyl chloride insulation, with section 2x16mm2 ** Cu	m	150.000
67	Supplier price	Corrugated plastic tube d 20	m	68.000
68	Supplier price	Insulated corrugated plastic tube d 50	m	27.000
69	Supplier price	Fixing device to support the console K1	pcs	104.000
70	Supplier price	Copper conductor for installation with 2.5mm2 PVC insulation	m	10.000
71	Supplier price	Metallic tape 20x0.7mm	m	325.000
72	Supplier price	Clamp for metallic tape	pcs	325.000
73	Supplier price	Intermediate suspension set **AL	pcs	40.000
74	Supplier price	Anchoring console for cable **AL	pcs	51.000
75	Supplier price	Extension clamp for cable **AL	pcs	56.000
76	Supplier price	Drilling clamp for cable **AL, for branching	pcs	26.000
77	Supplier price	Drilling clamp for subscriber 95-13mm2	pcs	207.000

1	2	3	4	5
78	Supplier price	Clamp for 3П6(10-120/25-95)	pcs	65.000
79	Supplier price	Extinguishing clip, for grounding 25-50mm <sup>2</sup>	pcs	85.000
80	Supplier price	Strap for cable at d=45mm,**AL25-95	pcs	145.000
81	Supplier price	Elastic cap 16-150mm <sup>2</sup>	pcs	30.000
82.	Supplier price	Fixing patch **Al on the pillar	pcs	14.000
83	Supplier price	Grounding conductor 3П6	m	44.000
84	Supplier price	Round steel d=20mm L3m	pcs	9.000
85	Supplier price	Steel strip 40x4mm	m	9.000
86	Supplier price	Round steel diam. 16mm L=5m	kg	150.100
87	Supplier price	Round steel diam. 10 mm	kg	104.890
88	Supplier price	Cable terminal diam.25	pcs	10.000
89	Supplier price	PE rail	pcs	2.000
90	Supplier price	Rail Dn, L=0.5m	pcs	3.000
91	Supplier price	Fixing node Y4	pcs	1.000
92	Supplier price	Steel strand, diam. 12 mm	m	30.000
93	Supplier price	Clamp for the steel strand, diam. 12 mm	pcs	4.000
94	Supplier price	Steel strip 30x4mm	m	7.000
95	Supplier price	Anchor 2.1M24 x820 BCn3nc2 ГОСТ 24379.1-80	pcs	12.000
96	Supplier price	Nut M24	pcs	12.000
97	Supplier price	Anchor diam. 8 A-1 ГОСТ5781-82* ,L=500	pcs	24.000
98	Supplier price	Corrugated plastic tube d 50	m	12.000
99	Supplier price	Heat-shrink tube 120-34mm SRH2	m	1.500
100	Supplier price	Heat-shrink tube 120-34mm SRH2	m	115.000
		<u>Total</u> Incl. salary	<u>US\$</u> <u>US\$</u>	
		Social and health insurance, 24%	US\$	

1	2	3	4	5
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b>Total, Mounting works, Including salary</b>	<b>US\$ US\$</b>	
		<b>3. Equipment</b>		
101	Supplier price	Street light fitting of type LED 30W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	13.000
102	Supplier price	Street light fitting of type LED 40W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	27.000
103	Supplier price	Street light fitting of type LED 50W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	12.000
104	Supplier price	Street light fitting of type LED 80W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	14.000
105	Supplier price	Street light fitting, crosswalk, of type LED 100W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	3.000
106	Supplier price	Record-keeping case, external, 600x400x275mm, IP54	pcs	1.000
107	Supplier price	Three-phase electronic meter 5-100A,380	pcs	1.000
108	Supplier price	Automatic breaker 3P, car.B, In=25A	pcs	1.000
109	Supplier price	Automatic breaker 3Pcar.C ,In=25A	pcs	1.000
110	Supplier price	Automatic breaker 3P, car.C, In=32A	pcs	1.000
111	Supplier price	Load separator 3P, In=63A	pcs	2.000
112	Supplier price	Pass-through fusible plug 220V 2A,IP54	pcs	69.000
113	Supplier price	Overvoltage limiter made of metal oxides $U_{\text{max}} = 280\text{ V}, I_{\text{decs}} = 10\text{ kA}$	pcs	4.000
114	Supplier price	Voltage relay 380 VAC,50Hz,In=40A,-40C +40C	pcs	1.000

1	2	3	4	5
115	Supplier price	Distribution (command) board, type 1, equipped with 1500x1000x500mm, IP54 (Smart electronic three-phased meter 5-100A, 380-1, Automatic breaker 3P, car. B, In = 20 A-1, Automatic breaker 2P, car. B, In = 10 A-1, Metal oxide discharger, 3P + N, 220V, maximum discharge flow 60kA-1set, Contactor 380V-1pc, I = 63A, 4P, NO, Contactor 220V, I = 10A, 2P, NO-1pc, Programmer clock-2, Photo-relay 220VAC, 50Hz I = 10A-2pcs, Mini-switch for signaling the unsanctioned opening of the recording case door-1pc, 3G equipment (Ethernet interface) Router Board 12VDC-1pc, Data concentrator + power supply back-up: 4 batteries 4x12Vx7.2 Ah-1pc, programmable smart data concentrator with responsibility for controlling outdoor lighting in automatic mode, dimming the light flow, online viewing of power consumption, controlling the opening of cases, controlling network parameters, correcting the on/off timetable, manual control of the lighting network 220V, 50Hz, -25 .. + 60 * C, 2 digital inputs 30Vdc, 2 intr. imp. meter, 2 outputs .220Vac, 10 A, Ethernet port 10 -1pcs, rotary switch with 3 positions - 2pcs, Copper conductor for mounting with PVC insulation 2.5mm2-30m.	pcs	1.000
116	Supplier price	Connection box, up to 3 cables, insulation class II, IP54, 80A, 500V, with one fusible plug 2 A, 267x90x75 mm	pcs	6.000
117	Supplier price	Board ШПН-63-0 74Y2 IP 54	pcs	1.000
118	Supplier price	Automatic breaker 1P, car. B, In=16A	pcs	1.000
		Total	US\$	
		Storage costs, %	US\$	
		<b>Total Equipment, Including salary</b>	<b>US\$ US\$</b>	
		<b>Total estimates: Incl. salary</b>	<b>US\$ US\$</b>	

Bidder \_\_\_\_\_

## TECHNICAL SPECIFICATIONS FOR PRICE QUOTATION

- 1 Name of the beneficiary: Cahul Mayoralty
2. Organizer of the procurement procedure: UNDP Moldova
3. Object of procurement: **Renovating the public street lighting system and building an integral smart network in Cahul municipality, PT3**

### Bid Offer US\$

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
<b>1. Construction works</b>				
1	33-04-017-1k=0.5	Dismantling the existing air СИП cable	1000 m	0.600
2	33-04-017-1	Installing a self-supporting insulated conductor (** AL), laid together with the existing LEA 0.4kV, on reinforced concrete pillars up to 29 pillars / km	1000 m	2.600
3	33-04-014-2k=0.5	Dismantling the existing street light fittings (RKU)	pcs	65.000
4	33-04-014-2	Assembling the light fitting	pcs	79.000
5	33-04-030-1	Assembling LST of metallic oxides on cable **AL	pcs	3.000
6	33-03-004-1	Grounding the LST of metallic oxides	set	1.000
7	33-04-016-2	Transporting the structures and materials - concrete pillars	pcs	15.000
8	33-04-003-16	Assembling and installing the concrete pillars	pcs	15.000
9	Supplier price	Concrete pillars SET 10.5-5	pcs	14.000
10	Supplier price	Concrete pillars SET 9.5-2	pcs	1.000
11	33-03-004-1	Mechanized beating of vertical grounding outlets LEA and IDD 35-750 kV, at depth up to 5 m, D-16 mm	pcs	28.000
12	33-04-007-1	Assembling reinforced concrete plates II-3u	pcs	1.000
13	TsA16D1	Manual digging of the soil, in limited spaces	m <sup>3</sup>	18.000
14	TsG03A	Clearing works	100 m2	0.100

1	2	3	4	5
15	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01, poured with classical means, simple concrete class C15	m <sup>3</sup>	0.100
16	TsH92A	Loading the waste into the dumper (after dismantling works)	t	0.800
17	TsI50A5	Transporting dismantled materials at a distance of 5km	t	0.800
		<b>Total</b>	<b>US\$</b>	
		<b>Incl. salary</b>	<b>US\$</b>	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b>Total</b>	<b>US\$</b>	
		<b>Incl. salary</b>	<b>US\$</b>	
		<b>2. Mounting works</b>		
18	08-02-363-1k=0.5	Dismantling existing consoles for light fitting	pcs	65.000
19	08-02-363-1	Assembling the consoles	pcs	79.000
20	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm <sup>2</sup> in the console tube	100 m	1.330
21	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm <sup>2</sup> in corrugated tube with diam. 20 mm	100 m	0.790
22	08-03-573-4	Assembling the metallic boards	pcs	1.000
23	08-03-600-2	Meters mounted on prepared support, with three phases 5-100A,380V	pcs	1.000
24	08-03-575-1	Device or appliance dismantled before transportation, contactor	pcs	1.000
25	08-03-575-1	Device or appliance dismantled before transportation, automated switch	pcs	4.000
26	08-03-575-1	Device or appliance dismantled before transportation, power separator	pcs	2.000
27	08-01-087-3	Metallic constructions	t	0.050

1	2	3	4	5
28	08-01-061-1	Assembling the pass-through fusible plug	pcs	79.000
29	08-02-410-1	Corrugated polyethylene pipe, diameter up to 20 mm	100 m	0.790
30	08-02-411-2	Laying corrugated metallic tube d 50mm on construction	100 m	0.200
31	08-02-148-1	Laying cable *AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.170
32	08-02-148-1	Laying cable **AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.030
33	08-01-085-1apl k=4.7	Assembling the metallic control board	pcs	1.000
34	08-02-407-3	Metallic pipe 50x50mm	100 m	0.050
35	08-02-407-4	Metallic pipe 80x80mm	100 m	0.090
36		Materials	pcs	0.000
37	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 0.5 0*	pcs	61.000
38	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.0 0*	pcs	8.000
39	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.5 0*	pcs	10.000
40	Supplier price	Power cable with Cu conductive wires, with insulation and rubber sheath, which does not spread the flame, with section 3x2.5mm <sup>2</sup> * Cu	m	240.000
41	Supplier price	Power cable with Al wires, with insulation and PVC sheath, which does not spread the flame, with section 4x25 mm <sup>2</sup> * Al	m	17.000
42	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 2x25mm <sup>2</sup> ** Al	m	2 480.000
43	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 4x25mm <sup>2</sup> ** Al	m	120.000

1	2	3	4	5
44	Supplier price	Corrugated plastic tube d 20	m	79.000
45	Supplier price	Insulated corrugated metallic tube diam. 50	m	20.000
46	Supplier price	Fixing device to support the console K1	pcs	158.000
47	Supplier price	Copper conductor for installation with 2.5mm <sup>2</sup> PVC insulation	m	10.000
48	Supplier price	Metallic tape 20x0.7mm	m	420.000
49	Supplier price	Clamp for metallic tape	pcs	420.000
50	Supplier price	Intermediate suspension set **AL	pcs	58.000
51	Supplier price	Anchoring console for cable **AL	pcs	70.000
52	Supplier price	Extension clamp for cable **AL	pcs	70.000
53	Supplier price	Drilling clamp for cable **AL, for branching	pcs	22.000
54	Supplier price	Drilling clamp for subscriber 95-13mm <sup>2</sup>	pcs	237.000
55	Supplier price	Clamp for 3П6(10-120/25-95)	pcs	95.000
56	Supplier price	Extinguishing clip, for grounding 25-50mm <sup>2</sup>	pcs	130.000
57	Supplier price	Strap for cable at d=45mm,**AL25-95	pcs	200.000
58	Supplier price	Elastic cap 16-150mm <sup>2</sup>	pcs	26.000
59	Supplier price	Fixing patch **Al on the pillar	pcs	12.000
60	Supplier price	Grounding conductor 3П6	m	62.000
61	Supplier price	Round steel diam. 16mm L=5m	kg	229.600
62	Supplier price	Round steel diam. 10 mm	kg	141.900
63	Supplier price	Cable terminal diam.25	pcs	10.000
64	Supplier price	PE rail	pcs	2.000
65	Supplier price	Rail Dn, L=0.5m	pcs	3.000
66	Supplier price	Fixing node Y4	pcs	1.000
67	Supplier price	Steel strip 30x4mm	m	7.000
		<b>Total</b>	<b>US\$</b>	
		<b>Incl. salary</b>	<b>US\$</b>	

1	2	3	4	5
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b>Total</b>	<b>US\$</b>	
		<b>Incl. salary</b>	<b>US\$</b>	
		<b>3. Equipment</b>		
68	Supplier price	Street light fitting of type LED 30W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	69.000
69	Supplier price	Street light fitting of type LED 40W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	10.000
70	Supplier price	Record-keeping case, external, 600x400x275mm, IP54	pcs	1.000
71	Supplier price	Three-phase electronic meter 5-100A,380	pcs	1.000
72	Supplier price	Automatic breaker 3P, car.B, In=25A	pcs	1.000
73	Supplier price	Automatic breaker 3Pcar.C ,In=25A	pcs	1.000
74	Supplier price	Automatic breaker 3P, car.C, In=32A	pcs	1.000
75	Supplier price	Load separator 3P, In=63A	pcs	2.000
76	Supplier price	Pass-through fusible plug 220V 2A,IP54	pcs	79.000
77	Supplier price	Overvoltage limiter made of metal oxides $U_{\text{max}} = 280\text{ V}, I_{\text{decs}} = 10\text{ kA}$	pcs	3.000
78	Supplier price	Voltage relay 380 VAC,50Hz,In=40A,-40C +40C	pcs	1.000
79	Supplier price	Distribution (command) board, type 1, equipped with 1500x1000x500mm, IP54 (Smart electronic three-phased meter 5-100A, 380-1, Automatic breaker 3P, car. B, In = 20 A-1, Automatic breaker 2P, car. B, In = 10 A-1, Metal oxide discharger, 3P + N, 220V, maximum discharge flow 60kA-1set, Contactor 380V-1pc, I = 63A, 4P, NO, Contactor 220V, I = 10A, 2P, NO-1pc , Programmer clock-2, Photo-relay 220VAC, 50Hz I = 10A-2pcs, Mini-switch for signaling the unsanctioned opening of the recording	pcs	1.000

1	2	3	4	5
		case door-1pc, 3G equipment (Ethernet interface) Router Board 12VDC-1pc, Data concentrator + power supply back-up: 4 batteries 4x12Vx7.2 Ah-1pc, programmable smart data concentrator with responsibility for controlling outdoor lighting in automatic mode, dimming the light flow, online viewing of power consumption, controlling the opening of cases, controlling network parameters, correcting the on/off timetable, manual control of the lighting network 220V, 50Hz, -25 .. + 60 * C, 2 digital inputs 30Vdc, 2 intr. imp. meter, 2 outputs .220Vac, 10 A, Ethernet port 10 -1pcs, rotary switch with 3 positions - 2pcs, Copper conductor for mounting with PVC insulation 2.5mm 2-30m.		
		Total	US\$	
		Storage costs, %	US\$	
		<b><u>Total Equipment</u></b>	<b><u>US\$</u></b>	
		<b>Incl. salary</b>	<b><u>US\$</u></b>	
		<b><u>Total estimates:</u></b>	<b><u>US\$</u></b>	
		<b>Incl. salary</b>	<b><u>US\$</u></b>	

Bidder \_\_\_\_\_

## TECHNICAL SPECIFICATIONS FOR PRICE QUOTATION

**1 Name of the beneficiary: Cahul Mayoralty**

**2. Organizer of the procurement procedure: UNDP Moldova**

**3. Procurement object Renovating the public street lighting system and building an integral smart network in Cahul municipality, PT14**

### Bid Offer US\$

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		<b>1. Construction works</b>		
1	33-04-014-2	Assembling the light fitting	pcs	29.000
2	33-04-017-1	Installing a self-supporting insulated conductor (** AL), laid together with the existing LEA 0.4kV, on reinforced concrete pillars up to 29 pillars / km	1000 m	0.950
3	33-04-030-1	Assembling LST of metallic oxides on cable **AL	pcs	3.000
4	33-03-004-1	Grounding the LST of metallic oxides	set	1.000
5	33-04-016-2	Transporting the structures and materials - concrete pillars and metallic pillars	pcs	7.000
6	33-04-003-16	Assembling and installing the concrete pillars	pcs	5.000
7	Supplier price	Concrete pillars SET 10.5-5	pcs	5.000
8	33-03-004-1	Mechanized beating of vertical grounding outlets LEA and IDD 35-750 kV, at depth up to 5 m, D-16 mm	pcs	10.000
9	TsA16D1	Manual digging of the soil, in limited spaces, for installing the pillars	m <sup>3</sup>	6.000
10	33-01-016-1	Installing the metallic pillars	t	0.148
11	Supplier price	Galvanized metallic pillar 6m high CC 6m 62/146/4	pcs	2.000
11A	Supplier price	Metal pillar made of steel pipe d=110x4mm, L=10.5m	pcs	1.000
12	33-03-004-1	Mechanized beating of vertical grounding outlets with diam. of 20 mm, at depth up to 3	pcs	2.000

1	2	3	4	5
		m		
13	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01, poured with classical means, simple concrete class C15	m <sup>3</sup>	0.600
14	TsG03A	Clearing works	100 m2	0.200
		<u>Total</u>	<u>US\$</u>	
		Incl. salary	US\$	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b>	<b><u>US\$</u></b>	
		<b>incl. salary</b>	<b>US\$</b>	
		<b>2. Mounting works</b>		
15	08-02-363-1	Assembling the consoles	pcs	27.000
16	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in the console tube	100 m	0.500
17	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in corrugated tube with diam. 20 mm	100 m	0.270
18	08-03-573-4	Assembling the metallic boards	pcs	1.000
19	08-03-600-2	Meters mounted on prepared support, with three phases 5-100A,380V	pcs	1.000
20	08-03-575-1	Device or appliance dismantled before transportation, contactor	pcs	1.000
21	08-03-575-1	Device or appliance dismantled before transportation, automatic breaker	pcs	3.000
22	08-03-575-1	Device or appliance dismantled before transportation, load separator	pcs	2.000
23	08-01-087-3	Metallic constructions	t	0.050
24	08-01-061-1	Assembling the pass-through fusible plug	pcs	27.000
25	08-02-410-1	Corrugated polyethylene pipe, diameter up to	100 m	0.270

1	2	3	4	5
		20 mm		
26	08-02-411-2	Laying corrugated metallic tube d 50mm on constructions	100 m	0.200
27	08-02-148-1	Laying cable *AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.170
28	08-02-148-1	Laying cable **AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.030
29	08-01-085-1apl	Case with complete distribution installations	pcs	1.000
30	08-02-407-3	Metallic pipe 50x50mm	100 m	0.050
31	08-02-407-4	Metallic pipe 80x80mm	100 m	0.090
32		<b>Materials</b>		
33	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 0.5 0*	pcs	8.000
34	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.0 0*	pcs	19.000
35	Supplier price	Power cable with Cu conductive wires, with insulation and rubber sheath, which does not spread the flame, with section 3x2.5mm <sup>2</sup> * Cu	m	85.000
36	Supplier price	Power cable with Al wires, with insulation and PVC sheath, which does not spread the flame, with section 4x25 mm <sup>2</sup> * Al	m	17.000
37	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 2x25mm <sup>2</sup> ** Al	m	940.000
38	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 4x25mm <sup>2</sup> ** Al	m	10.000
39	Supplier price	Corrugated plastic tube d 20	m	27.000
40	Supplier price	Insulated corrugated metallic tube diam. 50	m	20.000
41	Supplier price	Fixing device to support the console K1	pcs	54.000
42	Supplier price	Copper conductor for installation with	m	10.000

1	2	3	4	5
		2.5mm2 PVC insulation		
43	Supplier price	Metallic tape 20x0.7mm	m	165.000
44	Supplier price	Clamp for metallic tape	pcs	165.000
45	Supplier price	Intermediate suspension set **AL	pcs	28.000
46	Supplier price	Anchoring console for cable **AL	pcs	33.000
47	Supplier price	Extension clamp for cable **AL	pcs	36.000
48	Supplier price	Drilling clamp for cable **AL, for branching	pcs	12.000
49	Supplier price	Drilling clamp for subscriber 95-13mm2	pcs	87.000
50	Supplier price	Clamp for 3П6(10-120/25-95)	pcs	46.000
51	Supplier price	Extinguishing clip, for grounding 25-50mm2	pcs	60.000
52	Supplier price	Strap for cable at d=45mm,**AL25-95	pcs	100.000
53	Supplier price	Elastic cap 16-150mm2	pcs	12.000
54	Supplier price	Fixing patch **Al on the pillar	pcs	5.000
55	Supplier price	Grounding conductor 3П6	m	34.000
56	Supplier price	Round steel d=20mm L3m	pcs	2.000
57	Supplier price	Steel strip 40x4mm	m	2.000
58	Supplier price	Round steel diam. 16mm L=5m	kg	86.900
59	Supplier price	Round steel diam. 10 mm	kg	55.500
60	Supplier price	Cable terminal diam.25	pcs	10.000
61	Supplier price	PE rail	pcs	2.000
62	Supplier price	Rail Dn, L=0.5m	pcs	3.000
63	Supplier price	Steel strip 30x4mm	m	7.000
64	Supplier price	Anchor 2.1M24 x820 BCn3nc2 ГОСТ 24379.1-80	pcs	8.000
65	Supplier price	Nut M24	pcs	8.000
		<u>Total,</u> Incl. salary	<u>US\$</u> <u>US\$</u>	

1	2	3	4	5
		Social and health insurance, 24%	US\$	
		Carriage material, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b>Total</b>	<b>US\$</b>	
		<b>Incl. salary</b>	<b>US\$</b>	
		<b>3. Equipment</b>		
66	Supplier price	Street light fitting of type LED 50W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	13.000
67	Supplier price	Street light fitting of type LED 30W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	8.000
67A	Supplier price	Street light fitting of type LED 40W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	6.000
68	Supplier price	Street light fitting, crosswalk, of type LED 100W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	2.000
69	Supplier price	Record-keeping case, external, 600x400x275mm, IP54	pcs	1.000
70	Supplier price	Three-phase electronic meter 5-100A,380	pcs	1.000
71	Supplier price	Automatic breaker 3P, car.B, In=25A	pcs	1.000
72	Supplier price	Automatic breaker 3P car.C, In=25A	pcs	1.000
73	Supplier price	Automatic breaker 3P, car.C, In=32A	pcs	1.000
74	Supplier price	Load separator 3P, In=63A	pcs	2.000
75	Supplier price	Pass-through fusible plug 220V 2A,IP54	pcs	27.000
76	Supplier price	Overvoltage limiter made of metal oxides $U_{\text{max}} = 280\text{ V}, I_{\text{decs}} = 10\text{ kA}$	pcs	3.000
77	Supplier price	Voltage relay 380 VAC,50Hz,In=40A,-40C +40C	pcs	1.000
78	Supplier price	Distribution (command) board, type 1, equipped with 1500x1000x500mm, IP54 (Smart electronic three-phased meter 5-100A,	pcs	1.000

1	2	3	4	5
		380-1, Automatic breaker 3P, car. B, In = 20 A-1, Automatic breaker 2P, car. B, In = 10 A-1, Metal oxide discharger, 3P + N, 220V, maximum discharge flow 60kA-1set, Contactor 380V-1pc, I = 63A, 4P, NO, Contactor 220V, I = 10A, 2P, NO-1pc , Programmer clock-2, Photo-relay 220VAC, 50Hz I = 10A-2pcs, Mini-switch for signaling the unsanctioned opening of the recording case door-1pc, 3G equipment (Ethernet interface) Router Board 12VDC-1pc, Data concentrator + power supply back-up: 4 batteries 4x12Vx7.2 Ah-1pc, programmable smart data concentrator with responsibility for controlling outdoor lighting in automatic mode, dimming the light flow, online viewing of power consumption, controlling the opening of cases, controlling network parameters, correcting the on/off timetable, manual control of the lighting network 220V, 50Hz, -25 .. + 60 * C, 2 digital inputs 30Vdc, 2 intr. imp. meter, 2 outputs .220Vac, 10 A, Ethernet port 10 -1pcs, rotary switch with 3 positions - 2pcs, Copper conductor for mounting with PVC insulation 2.5mm 2-30m.		
		Total Equipment	US\$	
		Storage costs, %	US\$	
		<b>Total</b>	<b>US\$</b>	
		<b>Incl. salary</b>	<b>US\$</b>	
		<b><u>Total estimates:</u></b>	<b>US\$</b>	
		<b>Incl. salary</b>	<b>US\$</b>	

Bidder \_\_\_\_\_

## TECHNICAL SPECIFICATIONS FOR PRICE QUOTATION

1. Name of the beneficiary: Cahul Mayoralty
2. Organizer of the procurement procedure: UNDP Moldova
3. Object of procurement: **Renovating the public street lighting system and building an integral smart network in Cahul municipality, PT18**

### Bid Offer US\$

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		<b>1. Construction works</b>		
1	33-04-042-1	Dismantling the existing metallic pillar	pcs	7.000
2	33-04-017-1k=0.5	Dismantling the existing air СИП cable	1000 m	0.200
3	33-04-017-1	Installing a self-supporting insulated conductor (** AL), laid together with the existing LEA 0.4kV, on reinforced concrete pillars up to 29 pillars / km	1000 m	0.800
4	33-04-014-2k=0.5	Dismantling the existing street light fittings (RKU)	pcs	20.000
5	33-04-014-2	Assembling the light fitting	pcs	66.000
6	33-04-030-1	Assembling LST of metallic oxides on cable **AL	pcs	5.000
7	33-03-004-1	Grounding the LST of metallic oxides	set	3.000
8	33-04-016-2	Transporting the structures and materials - concrete pillars and metallic pillars	pcs	27.000
9	33-04-003-16	Assembling and installing the concrete pillars	pcs	5.000
10	Supplier price	Concrete pillars SET 10.5-5	pcs	5.000
11	33-03-004-1	Mechanized beating of vertical grounding outlets LEA and IDD 35-750 kV, at depth up to 5 m, D-16 mm	pcs	9.000
12	33-01-016-1	Installing the metallic pillars	t	1.628
13	Supplier price	Galvanized metallic pillar 6m high CC 6m 62/146/4	pcs	3.000
14	Supplier price	Cast iron metallic pillar, with double console,	pcs	19.000

1	2	3	4	5
		3.44m high, equipped with Led bulb, 2x50W-SI-2		
15	33-03-004-1	Mechanized beating of vertical grounding outlets with diam. of 20 mm, at depth up to 3 m	pcs	22.000
16	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01, poured with classical means, simple concrete class C15	m <sup>3</sup>	4.100
17	TsA16D1	Manual digging of the soil, in limited spaces, for installing the pillars	m <sup>3</sup>	6.000
18	TsG03A	Clearing works	100 m <sup>2</sup>	0.800
19	TsA16B1	Manual digging of the soil, in trenches, for low voltage electrical cables, width <1m, depth <0.8 m, medium ground	m <sup>3</sup>	72.000
20	34-02-003-1	Executing the pipe line from polyethylene pipes PE diam50 (PEND)	1 km	0.370
21	08-02-142-1	Executing the bedding for one single cable in the ditch	100 m	3.700
22	Supplier price	Sand	m <sup>3</sup>	24.000
23	Supplier price	Crushed stone M400 fr.20-30	m <sup>3</sup>	0.500
24	RpEJ04B	Cable laying works: soil filling, executed in horizontal layers 20-30 cm thick, well-watered and beaten with the manual knocker	m <sup>3</sup>	48.000
25	08-02-143-1	Covering the cable, placed in the ditch: with bricks, one single cable	100 m	3.700
26	404-23	Bricks	pcs	1 400.000
27	DG01A	Pulling apart pavement or foundations from rough stone, boulders or chipping of rough stone or of boulders posed on sand	m <sup>2</sup>	400.000
28	DE18A	Pavement made of precast concrete paving slabs 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, from dismantling works	m <sup>2</sup>	360.000

1	2	3	4	5
29	DE18A	Pavement made of precast concrete paving slabs 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, 10% of new surface	m <sup>2</sup>	30.000
30	DC04B	Cutting with the machines having diamond disks of the contraction and expansion joints in old concrete roads	m	150.000
31	DI109	Mechanized scrapping of the asphalt concrete coating, including crushed stone	m <sup>3</sup>	4.200
32	TsC02D2	Mechanic digging with pneumatic excavator of 0.21-0.39 m <sup>3</sup> , with hydraulic command, in grounds saturated with water, and auto unloading of field of cat. II.	100 m <sup>3</sup>	2.100
33	TsI50A10	Transportation of the ground with the dumper of 5 t at a distance of 10 km. Asphalt waste	t	2.640
34	TsC54B	Foundation layer from crushed stone	m <sup>3</sup>	3.000
35	DB16D	Asphalt concrete covering with small aggregates, executed in hot conditions, in thickness of 4.0 cm with manual laying	m <sup>2</sup>	30.000
		<u>Total</u> Incl. salary	<u>US\$</u> <u>US\$</u>	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	
		<b>2. Mounting works</b>		
36	RpEG17B	Dismantling the metallic boards	pcs	2.000
37	08-02-363-1k=0.5	Dismantling existing consoles for light fitting	pcs	20.000
38	08-02-363-1	Assembling the consoles	pcs	25.000
39	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm <sup>2</sup> in the console tube	100 m	0.500

1	2	3	4	5
40	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in corrugated tube with diam. 20 mm	100 m	0.250
41	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in the tube of the metallic pillar	100 m	1.450
42	08-03-573-4	Assembling the metallic boards	pcs	2.000
43	08-03-575-1	Device or appliance dismantled before transportation, contactor	pcs	1.000
44	08-03-575-1	Device or appliance dismantled before transportation, automatic breaker	pcs	3.000
45	08-03-575-1	Device or appliance dismantled before transportation, load separator	pcs	1.000
46	08-01-087-3	Metallic constructions	t	0.050
47	08-01-061-1	Assembling the pass-through fusible plug	pcs	26.000
48	08-02-410-1	Corrugated polyethylene pipe, diameter up to 20 mm	100 m	0.250
49	08-02-411-2	Laying corrugated metallic tube d 50mm on constructions	100 m	0.340
50	08-02-148-1	Laying cable *AL 25mm2 in corrugated metallic tube d 50mm	100 m	0.020
51	08-02-148-1	Laying cable **AL 25mm2 in corrugated metallic tube d 50mm	100 m	0.030
52	08-01-085-1apl	Case with complete distribution installations	pcs	1.000
53	08-02-148-1	Cable up to 35 kV in pipes, **Cu 2x16mm2 in PE tube	100 m	3.700
54	08-02-141-1	Cable up to 35 kV in ditches **Cu 2x16 mm2 in ditches	100 m	3.700
55	08-02-148-1	Cable up to 35 kV in pipes, laid,**Cu 2x16mm2 in corrugated tube, diam. 50, in foundation	100 m	0.450
56	08-02-411-2	Laying corrugated tube d 50mm on constructions	100 m	0.140
57	08-03-641-7	Assembling the connection box inside the metallic pillar	pcs	21.000

1	2	3	4	5
58	08-02-407-3	Metallic pipe 50x50mm	100 m	0.050
59	08-02-407-4	Metallic pipe 80x80mm	100 m	0.090
60		Materials	pcs	0.000
61	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.0 0*	pcs	25.000
62	Supplier price	Power cable with Cu conductive wires, with insulation and rubber sheath, which does not spread the flame, with section 3x2.5mm2 * Cu	m	250.000
63	Supplier price	Power cable with Al wires, with insulation and PVC sheath, which does not spread the flame, with section 4x25 mm2 * Al	m	2.000
64	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 2x25mm2 ** Al	m	610.000
65	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 4x25mm2 ** Al	m	190.000
66	Supplier price	Multi-wired power cable made of Cu, with polyvinyl chloride insulation, with section 2x16mm2 ** Cu	m	480.000
67	Supplier price	Corrugated plastic tube d 20	m	25.000
68	Supplier price	Insulated corrugated metallic tube diam. 50	m	34.000
69	Supplier price	Fixing device to support the console K1	pcs	50.000
70	Supplier price	Copper conductor for installation with 2.5mm2 PVC insulation	m	10.000
71	Supplier price	Metallic tape 20x0.7mm	m	145.000
72	Supplier price	Clamp for metallic tape	pcs	145.000
73	Supplier price	Intermediate suspension set **AL	pcs	20.000
74	Supplier price	Anchoring console for cable **AL	pcs	22.000
75	Supplier price	Extension clamp for cable **AL	pcs	26.000

1	2	3	4	5
76	Supplier price	Drilling clamp for cable **AL, for branching	pcs	12.000
77	Supplier price	Drilling clamp for subscriber 95-13mm2	pcs	78.000
78	Supplier price	Clamp for 3П6(10-120/25-95)	pcs	33.000
79	Supplier price	Extinguishing clip, for grounding 25-50mm2	pcs	44.000
80	Supplier price	Strap for cable at d=45mm,**AL25-95	pcs	70.000
81	Supplier price	Elastic cap 16-150mm2	pcs	16.000
82.	Supplier price	Fixing patch **Al on the pillar	pcs	7.000
83	Supplier price	Grounding conductor 3П6	m	22.000
84	Supplier price	Round steel d=20mm L3m	pcs	22.000
85	Supplier price	Steel strip 40x4mm	m	22.000
86	Supplier price	Round steel diam. 16mm L=5m	kg	94.800
87	Supplier price	Round steel diam. 10 mm	kg	55.530
88	Supplier price	Cable terminal diam.25	pcs	10.000
89	Supplier price	PE rail	pcs	2.000
90	Supplier price	Rail Dn, L=0.5m	pcs	3.000
91	Supplier price	Steel strip 30x4mm	m	7.000
92	Supplier price	Anchor 2.1 M24 x820 BCn3nc2 ГОСТ 24379.1-80	pcs	12.000
93	Supplier price	Nut M24	pcs	12.000
94	Supplier price	Anchor diam. 8 A-1 ГОСТ5781-82* ,L=500	pcs	76.000
95	Supplier price	Corrugated plastic tube d 50	m	38.000
96	Supplier price	Heat-shrink tube 120-34mm SRH2	m	4.000
		Total	US\$	
		Incl. salary	US\$	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	

1	2	3	4	5
		<b>Total Incl. salary</b>	<b>US\$ US\$</b>	
		<b>3. Equipment</b>		
97	Supplier price	Street light fitting of type LED 40W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	25.000
98	Supplier price	Street light fitting, crosswalk, of type LED 100W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	3.000
99	Supplier price	Automatic breaker 3P, car.B, In=25A	pcs	1.000
100	Supplier price	Board ИПН-63-0 74Y2 IP 54	pcs	2.000
101	Supplier price	Automatic breaker 1P, car.B, In=16A	pcs	2.000
102	Supplier price	Load separator 3P, In=63A	pcs	1.000
103	Supplier price	Pass-through fusible plug 220V 2A,IP54	pcs	26.000
104	Supplier price	Overvoltage limiter made of metal oxides $U_{\text{max}} = 280\text{ V}$ , $I_{\text{decs}} = 10\text{ kA}$	pcs	5.000
105	Supplier price	Voltage relay 380 VAC, 50Hz, In=40A, -40C +40C	pcs	1.000
106	Supplier price	Distribution (command) board, type 1, equipped with 1500x1000x500mm, IP54 (Smart electronic three-phased meter 5-100A, 380-1, Automatic breaker 3P, car. B, In = 20 A-1, Automatic breaker 2P, car. B, In = 10 A-1, Metal oxide discharger, 3P + N, 220V, maximum discharge flow 60kA-1set, Contactor 380V-1pc, I = 63A, 4P, NO, Contactor 220V, I = 10A, 2P, NO-1pc, Programmer clock-2, Photo-relay 220VAC, 50Hz I = 10A-2pcs, Mini-switch for signaling the unsanctioned opening of the recording case door-1pc, 3G equipment (Ethernet interface) Router Board 12VDC-1pc, Data concentrator + power supply back-up: 4 batteries 4x12Vx7.2 Ah-1pc, programmable smart data concentrator with responsibility for controlling outdoor lighting in automatic mode, dimming the light flow, online viewing of power consumption, controlling the opening of cases, controlling network parameters, correcting the on/off timetable, manual control of the lighting network 220V,	pcs	1.000

1	2	3	4	5
		50Hz, -25 .. + 60 * C, 2 digital inputs 30Vdc, 2 intr. imp. meter, 2 outputs .220Vac, 10 A, Ethernet port 10 -1pcs, rotary switch with 3 positions - 2pcs, Copper conductor for mounting with PVC insulation 2.5mm 2-30m.		
107	Supplier price	Connection box, up to 3 cables, insulation class II, IP54, 80A, 500V, with one safety fuse 2 A, 267x90x75 mm	pcs	21.000
		Total	US\$	
		Storage costs, %	US\$	
		<b><u>Total Equipment</u></b>	<b><u>US\$</u></b>	
		<b>Incl. salary</b>	<b>US\$</b>	
		<b><u>Total estimates:</u></b>	<b><u>US\$</u></b>	
		<b>Incl. salary</b>	<b>US\$</b>	

**Bidder** \_\_\_\_\_

## TECHNICAL SPECIFICATIONS FOR PRICE QUOTATION

1. Name of the beneficiary: Cahul Mayoralty
2. Organizer of the procurement procedure: UNDP Moldova
3. Procurement object **Renovating the public street lighting system and building an integral smart network in Cahul municipality, PT19**

### Bid Offer US\$

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		<b>1. Construction works</b>		
1	33-04-017-1k=0.5	Dismantling the existing air СИП cable	1000 m	0.200
2	33-04-017-1	Installing a self-supporting insulated conductor (** AL), laid together with the existing LEA 0.4kV, on reinforced concrete pillars up to 29 pillars / km	1000 m	0.67
3	33-04-014-2k=0.5	Dismantling the existing street light fittings (RKU)	pcs	6.000
4	33-04-014-2	Assembling the light fitting	pcs	22.000
5	33-04-030-1	Assembling LST of metallic oxides on cable **AL	pcs	3.000
6	33-03-004-1	Grounding the LST of metallic oxides	set	1.000
7	33-04-016-2	Transporting the structures and materials - concrete pillars	pcs	15.000
8	33-04-003-16	Assembling and installing the concrete pillars	pcs	15.000
9	Supplier price	Concrete pillars SET 10.5-5	pcs	15.000
10	33-03-004-1	Mechanized beating of vertical grounding outlets LEA and IDD 35-750 kV, at depth up to 5 m, D-16 mm	pcs	7.000
11	TsA16D1	Manual digging of the soil, in limited spaces, for installing the pillars	m <sup>3</sup>	18.000
12	TsG03A	Clearing works	100 m <sup>2</sup>	0.500
13	TsH92A	Loading the waste into the dumper (after dismantling works)	t	0.300
14	TsI50A5	Transporting dismantled materials at a	t	0.300

1	2	3	4	5
		distance of 5km		
		<u>Total,</u> Incl. salary	<u>US\$</u> <u>US\$</u>	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	
		<b>2. Mounting works</b>		
15	08-02-363-1k=0.5	Dismantling existing consoles for light fitting	pcs	6.000
16	08-02-363-1	Assembling the consoles	pcs	22.000
17	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in the console tube	100 m	0.360
18	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in corrugated tube with diam. 20 mm	100 m	0.220
19	08-03-573-4	Assembling the metallic boards	pcs	1.000
20	08-03-600-2	Meters mounted on prepared support, with three phases 5-100A,380V	pcs	1.000
21	08-03-575-1	Device or appliance dismantled before transportation, contactor	pcs	1.000
22	08-03-575-1	Device or appliance dismantled before transportation, automatic breaker	pcs	3.000
23	08-03-575-1	Device or appliance dismantled before transportation, load separator	pcs	2.000
24	08-01-087-3	Metallic constructions	t	0.050
25	08-01-061-1	Assembling the pass-through fusible plug	pcs	22.000
26	08-02-410-1	Corrugated polyethylene pipe, diameter up to 20 mm	100 m	0.220
27	08-02-411-2	Laying corrugated metallic tube d 50mm on constructions	100 m	0.200
28	08-02-148-1	Laying cable *AL 25mm2 in corrugated	100 m	0.170

1	2	3	4	5
		metallic tube d 50mm		
29	08-02-148-1	Laying cable **AL 25mm2 in corrugated metallic tube d 50mm	100 m	0.030
30	08-01-085-1apl	Case with complete distribution installations	pcs	1.000
31	08-02-407-3	Metallic pipe 50x50mm	100 m	0.050
32	08-02-407-4	Metallic pipe 80x80mm	100 m	0.090
33		<b>Materials</b>		
34	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 0.5 0*	pcs	16.000
35	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.0 0*	pcs	6.000
36	Supplier price	Power cable with Cu conductive wires, with insulation and rubber sheath, which does not spread the flame, with section 3x2.5mm2 * Cu	m	64.000
37	Supplier price	Power cable with Al wires, with insulation and PVC sheath, which does not spread the flame, with section 4x25 mm2 * Al	m	17.000
38	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 2x25mm2 ** Al	m	500.000
39	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 4x25mm2 ** Al	m	170.000
40	Supplier price	Corrugated plastic tube d 20	m	22.000
41	Supplier price	Insulated corrugated metallic tube diam. 50	m	20.000
42	Supplier price	Fixing device to support the console K1	pcs	44.000
43	Supplier price	Copper conductor for installation with 2.5mm2 PVC insulation	m	10.000
44	Supplier price	Metallic tape 20x0.7mm	m	160.000
45	Supplier price	Clamp for metallic tape	pcs	160.000

1	2	3	4	5
46	Supplier price	Intermediate suspension set **AL	pcs	19.000
47	Supplier price	Anchoring console for cable **AL	pcs	32.000
48	Supplier price	Extension clamp for cable **AL	pcs	32.000
49	Supplier price	Drilling clamp for cable **AL, for branching	pcs	8.000
50	Supplier price	Drilling clamp for subscriber 95-13mm2	pcs	66.000
51	Supplier price	Clamp for 3П6(10-120/25-95)	pcs	33.000
52	Supplier price	Extinguishing clip, for grounding 25-50mm2	pcs	49.000
53	Supplier price	Strap for cable at d=45mm,**AL25-95	pcs	70.000
54	Supplier price	Elastic cap 16-150mm2	pcs	10.000
54A	Supplier price	Earthing conductor 3P6	m	30.00
55	Supplier price	Fixing patch **Al on the pillar	pcs	5.000
56	Supplier price	Round steel diam. 16mm L=5m	kg	63.200
57	Supplier price	Round steel diam. 10 mm	kg	12.30
58	Supplier price	Cable terminal diam.25	pcs	10.000
59	Supplier price	PE rail	pcs	2.000
60	Supplier price	Rail Dn, L=0.5m	pcs	3.000
61	Supplier price	Steel strip 30x4mm	m	7.000
		<u>Total</u>	<u>US\$</u>	
		Incl. salary	US\$	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b>	<b><u>US\$</u></b>	
		<b>incl. salary</b>	<b>US\$</b>	
		<b>3. Equipment</b>		
62	Supplier price	Street light fitting of type LED 30W, equipped with dimmable driver and remote management system >= 140Lm/W	pcs	16.000

1	2	3	4	5
63	Supplier price	Street light fitting of type LED 40W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	6.000
65	Supplier price	Record-keeping case, external, 600x400x275mm, IP54	pcs	1.000
66	Supplier price	Three-phase electronic meter 5-100A,380	pcs	1.000
67	Supplier price	Automatic breaker 3P, car.B, In=25A	pcs	1.000
68	Supplier price	Automatic breaker 3P car.C, In=25A	pcs	1.000
69	Supplier price	Automatic breaker 3P, car.C, In=32A	pcs	1.000
70	Supplier price	Load separator 3P, In=63A	pcs	2.000
71	Supplier price	Pass-through fusible plug 220V 2A,IP54	pcs	22.000
72	Supplier price	Overvoltage limiter made of metal oxides $U_{\text{max}} = 280\text{ V}$ , $I_{\text{decs}} = 10\text{ kA}$	pcs	3.000
73	Supplier price	Voltage relay 380 VAC,50Hz,In=40A,-40C +40C	pcs	1.000
74	Supplier price	Distribution (command) board, type 1, equipped with 1500x1000x500mm, IP54 (Smart electronic three-phased meter 5-100A, 380-1, Automatic breaker 3P, car. B, In = 20 A-1, Automatic breaker 2P, car. B, In = 10 A-1, Metal oxide discharger, 3P + N, 220V, maximum discharge flow 60kA-1set, Contactor 380V-1pc, I = 63A, 4P, NO, Contactor 220V, I = 10A, 2P, NO-1pc , Programmer clock-2, Photo-relay 220VAC, 50Hz I = 10A-2pcs, Mini-switch for signaling the unsanctioned opening of the recording case door-1pc, 3G equipment (Ethernet interface) Router Board 12VDC-1pc, Data concentrator + power supply back-up: 4 batteries 4x12Vx7.2 Ah-1pc, programmable smart data concentrator with responsibility for controlling outdoor lighting in automatic mode, dimming the light flow, online viewing of power consumption, controlling the opening of cases, controlling network parameters, correcting the on/off timetable, manual control of the lighting network 220V, 50Hz, -25 .. + 60 * C, 2 digital inputs 30Vdc, 2 intr. imp. meter, 2 outputs .220Vac, 10 A, Ethernet port 10 -1pcs, rotary switch with 3	pcs	1.000

1	2	3	4	5
		positions - 2pcs, Copper conductor for mounting with PVC insulation 2.5mm 2-30m.		
		Total	US\$	
		Storage costs, %	US\$	
		<b><u>Total Equipment,</u></b>	<b><u>US\$</u></b>	
		<b>Incl. salary</b>	<b>US\$</b>	
		<b><u>Total estimates:</u></b>	<b><u>US\$</u></b>	
		<b>Incl. salary</b>	<b>US\$</b>	

**Bidder** \_\_\_\_\_

## TECHNICAL SPECIFICATIONS FOR PRICE QUOTATION

**1. Name of the beneficiary: Cahul Mayoralty**

**2. Organizer of the procurement procedure: UNDP Moldova**

**3. Procurement object Renovating the public street lighting system and building an integral smart network in Cahul municipality, PT-21**

### Bid Offer US\$

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
<b>1. Construction works</b>				
1	33-04-014-2k=0.5	Dismantling the existing street light fittings (RKU)	pcs	8.000
2	33-04-014-2	Assembling the light fitting	pcs	26.000
3	33-04-017-1	Installing a self-supporting insulated conductor (** AL), laid together with the existing LEA 0.4kV, on reinforced concrete pillars up to 29 pillars / km	1000 m	0.615
4	33-04-030-1	Assembling LST of metallic oxides on cable **AL	pcs	3.000
5	33-03-004-1	Grounding the LST of metallic oxides	set	1.000
6	33-04-016-2	Transporting the structures and materials - concrete pillars	pcs	9.000
7	TsA16D1	Manual digging of the soil, in limited spaces, for installing the pillars	m <sup>3</sup>	11.000
8	33-04-003-16	Assembling and installing the concrete pillars	pcs	9.000
9	Supplier price	Concrete pillars SET 10.5-5	pcs	9.000
10	33-03-004-1	Mechanized beating of vertical grounding outlets LEA and IDD 35-750 kV, at depth up to 5 m, D-16 mm	pcs	7.000
11	TsG03A	Clearing works	100 m2	0.500
12	TsH92A	Loading the waste into the dumper (after dismantling works)	t	0.600
13	TsI50A5	Transporting dismantled materials at a distance of 5km	t	0.600

1	2	3	4	5
		<u>Total</u> Incl. salary	<u>US\$</u> <u>US\$</u>	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	
		<b>2. Mounting works</b>		
14	RpEB13C	Dismantling non-insulated conductors A35	m	400.000
15	08-02-363-1k=0.5	Dismantling existing consoles for light fitting	pcs	8.000
16	08-02-363-1	Assembling the consoles	pcs	21.000
17	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm <sup>2</sup> in the console tube	100 m	0.390
18	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm <sup>2</sup> in corrugated tube with diam. 20 mm	100 m	0.210
19	08-03-573-4	Assembling the metallic boards	pcs	1.000
20	08-03-600-2	Meters mounted on prepared support, with three phases 5-100A,380V	pcs	1.000
21	08-03-575-1	Device or appliance dismantled before transportation, contactor	pcs	1.000
22	08-03-575-1	Device or appliance dismantled before transportation, automatic breaker	pcs	3.000
23	08-03-575-1	Device or appliance dismantled before transportation, load separator	pcs	2.000
24	08-01-087-3	Metallic constructions	t	0.050
25	08-01-061-1	Assembling the pass-through fusible plug	pcs	26.000
26	08-02-410-1	Corrugated polyethylene pipe, diameter up to 20 mm	100 m	0.260
27	08-02-411-2	Laying corrugated metallic tube d 50mm on constructions	100 m	0.200
28	08-02-148-1	Laying cable *AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.170

1	2	3	4	5
29	08-02-148-1	Laying cable **AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.030
30	08-01-085-1	Case with complete distribution installations	pcs	1.000
31	08-02-407-3	Metallic pipe 50x50mm	100 m	0.050
32	08-02-407-4	Metallic pipe 80x80mm	100 m	0.090
33		<b>Materials</b>		
34	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 0.5 0*	pcs	16.000
35	Supplier price	Double console for light fitting diam.40-60mm K2-1.0- 0.5 0*	pcs	5.000
36	Supplier price	Power cable with Cu conductive wires, with insulation and rubber sheath, which does not spread the flame, with section 3x2.5mm <sup>2</sup> * Cu	m	70.000
37	Supplier price	Power cable with Al wires, with insulation and PVC sheath, which does not spread the flame, with section 4x25 mm <sup>2</sup> * Al	m	17.000
38	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 2x25mm <sup>2</sup> ** Al	m	600.000
39	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 4x25mm <sup>2</sup> ** Al	m	15.000
40	Supplier price	Corrugated plastic tube d 20	m	26.000
41	Supplier price	Insulated corrugated metallic tube diam. 50	m	20.000
42	Supplier price	Fixing device to support the console K1	pcs	42.000
43	Supplier price	Copper conductor for installation with 2.5mm <sup>2</sup> PVC insulation	m	10.000
44	Supplier price	Metallic tape 20x0.7mm	m	120.000
45	Supplier price	Clamp for metallic tape	pcs	120.000
46	Supplier price	Intermediate suspension set **AL	pcs	10.000

1	2	3	4	5
47	Supplier price	Anchoring console for cable **AL	pcs	28.000
48	Supplier price	Extension clamp for cable **AL	pcs	35.000
49	Supplier price	Drilling clamp for cable **AL, for branching	pcs	12.000
50	Supplier price	Drilling clamp for subscriber 95-13mm2	pcs	78.000
51	Supplier price	Clamp for 3П6(10-120/25-95)	pcs	27.000
52	Supplier price	Extinguishing clip, for grounding 25-50mm2	pcs	40.000
53	Supplier price	Strap for cable at d=45mm,**AL25-95	pcs	60.000
54	Supplier price	Elastic cap 16-150mm2	pcs	16.000
55	Supplier price	Fixing patch **Al on the pillar	pcs	7.000
56	Supplier price	Grounding conductor 3П6	m	24.000
57	Supplier price	Round steel diam. 16mm L=5m	kg	63.200
58	Supplier price	Round steel diam. 10 mm	kg	24.680
59	Supplier price	Cable terminal diam.25	pcs	10.000
60	Supplier price	PE rail	pcs	2.000
61	Supplier price	Rail Dn, L=0.5m	pcs	3.000
62	Supplier price	Steel strip 30x4mm	m	7.000
		<u>Total</u> Incl. salary	<u>US\$</u> <u>US\$</u>	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	
		<b>3. Equipment</b>		
63	Supplier price	Street light fitting of type LED 30W, equipped with dimmable driver and remote management system >= 140Lm/W	pcs	26.000
64	Supplier price	Record-keeping case, external, 600x400x275mm, IP54	pcs	1.000

1	2	3	4	5
65	Supplier price	Three-phase electronic meter 5-100A,380	pcs	1.000
66	Supplier price	Automatic breaker 3P, car.B, In=25A	pcs	1.000
67	Supplier price	Automatic breaker 3P car.C, In=25A	pcs	1.000
68	Supplier price	Automatic breaker 3P, car.C, In=32A	pcs	1.000
69	Supplier price	Load separator 3P, In=63A	pcs	2.000
70	Supplier price	Pass-through fusible plug 220V 2A,IP54	pcs	26.000
71	Supplier price	Overvoltage limiter made of metal oxides U <sub>max</sub> =280 V,I <sub>decs</sub> =10 kA	pcs	3.000
72	Supplier price	Voltage relay 380 VAC,50Hz,In=40A,-40C +40C	pcs	1.000
73	Supplier price	Distribution (command) board, type 1, equipped with 1500x1000x500mm, IP54 (Smart electronic three-phased meter 5-100A, 380-1, Automatic breaker 3P, car. B, In = 20 A-1, Automatic breaker 2P, car. B, In = 10 A-1, Metal oxide discharger, 3P + N, 220V, maximum discharge flow 60kA-1set, Contactor 380V-1pc, I = 63A, 4P, NO, Contactor 220V, I = 10A, 2P, NO-1pc , Programmer clock-2, Photo-relay 220VAC, 50Hz I = 10A-2pcs, Mini-switch for signaling the unsanctioned opening of the recording case door-1pc, 3G equipment (Ethernet interface) Router Board 12VDC-1pc, Data concentrator + power supply back-up: 4 batteries 4x12Vx7.2 Ah-1pc, programmable smart data concentrator with responsibility for controlling outdoor lighting in automatic mode, dimming the light flow, online viewing of power consumption, controlling the opening of cases, controlling network parameters, correcting the on/off timetable, manual control of the lighting network 220V, 50Hz, -25 .. + 60 * C, 2 digital inputs 30Vdc, 2 intr. imp. meter, 2 outputs .220Vac, 10 A, Ethernet port 10 -1pcs, rotary switch with 3 positions - 2pcs, Copper conductor for mounting with PVC insulation 2.5mm 2-30m.	pcs	1.000
		Total	US\$	
		Storage costs, %	US\$	
		<b><u>Total Equipment,</u></b> <b><u>Incl. salary</u></b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	

1	2	3	4	5
		<b><u>Total estimates:</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	

**Bidder** \_\_\_\_\_

## TECHNICAL SPECIFICATIONS FOR PRICE QUOTATION

1. Name of the beneficiary: Cahul Mayoralty

2. Organizer of the procurement procedure: UNDP Moldova

3. Procurement object **Renovating the public street lighting system and building an integral smart network in Cahul municipality, PT-22**

### Bid Offer US\$

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
<b>1. Construction works</b>				
1	RpEN06A	Removing the pillars on the road	pcs	1.000
2	33-04-017-1k=0.5	Dismantling the existing air СИП cable	1000 m	0.350
3	33-04-017-1	Installing a self-supporting insulated conductor (** AL), laid together with the existing LEA 0.4kV, on reinforced concrete pillars up to 29 pillars / km	1000 m	1.480
4	33-04-014-2k=0.5	Dismantling the existing street light fittings (RKU)	pcs	50.000
5	33-04-014-2	Assembling the light fitting	pcs	73.000
6	33-04-030-1	Assembling LST of metallic oxides on cable **AL	pcs	3.000
7	33-03-004-1	Grounding the LST of metallic oxides	set	1.000
8	33-04-016-2	Transporting the structures and materials - concrete pillars and metallic pillars	pcs	26.000
9	TsA16D1	Manual digging of the soil, in limited spaces, for installing the pillars	m <sup>3</sup>	23.000
10	33-04-003-16	Assembling and installing the concrete pillars	pcs	8.000
11	Supplier price	Concrete pillars SET 10.5-5	pcs	16.000
12	Supplier price	Concrete pillars SET 9.5-2	pcs	3.000
13	33-03-004-1	Mechanized beating of vertical grounding outlets LEA and IDD 35-750 kV, at depth up to 5 m, D-16 mm	pcs	18.000
14	CA03F	Simple concrete, poured with classical means,	m <sup>3</sup>	1.300

1	2	3	4	5
		in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01, poured with classical means, simple concrete class C15		
15	33-01-016-1	Installing the metallic pillars	t	0.518
16	Supplier price	Galvanized metallic pillar 6m high CC 6m 62/146/4	pcs	7.000
17	33-03-004-1	Mechanized beating of vertical grounding outlets with diam. of 20 mm, at depth up to 3 m	pcs	7.000
18	33-03-003-1	Grounding the metallic pillars	pcs	7.000
19	33-04-007-1	Assembling reinforced concrete plates II-3u	pcs	3.000
20	TsG03A	Clearing works	100 m2	0.600
21	TsH92A	Loading the waste into the dumper (after dismantling works)	t	1.000
22	TsI50A5	Transporting dismantled materials at a distance of 5km	t	1.000
		<u>Total</u> Incl. salary	US\$ US\$	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b> <b>Incl. salary</b>	<b>US\$</b> <b>US\$</b>	
		<b>2. Mounting works</b>		
23	RpEG17B	Dismantling the metallic boards	pcs	2.000
24	08-02-363-1k=0.5	Dismantling existing consoles for light fitting	pcs	50.000
25	08-02-363-1	Assembling the consoles	pcs	53.000
26	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in the console tube	100 m	0.980
27	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in corrugated tube with diam. 20 mm	100 m	0.530

1	2	3	4	5
28	08-03-573-4	Assembling the metallic boards	pcs	1.000
29	08-03-600-2	Meters mounted on prepared support, with three phases 5-100A,380V	pcs	1.000
30	08-03-575-1	Device or appliance dismantled before transportation, contactor	pcs	1.000
31	08-03-575-1	Device or appliance dismantled before transportation, automatic breaker	pcs	3.000
32	08-03-575-1	Device or appliance dismantled before transportation, load separator	pcs	2.000
33	08-01-087-3	Metallic constructions	t	0.050
34	08-01-061-1	Assembling the pass-through fusible plug	pcs	73.000
35	08-02-410-1	Corrugated polyethylene pipe, diameter up to 20 mm	100 m	0.660
36	08-02-411-2	Laying corrugated metallic tube d 50mm on constructions	100 m	0.200
37	08-02-148-1	Laying cable *AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.170
38	08-02-148-1	Laying cable **AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.030
39	08-01-085-1	Case with complete distribution installations	pcs	1.000
40	08-02-407-3	Metallic pipe 50x50mm	100 m	0.050
41	08-02-407-4	Metallic pipe 80x80mm	100 m	0.090
42		<b>Materials</b>		
43	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 0.5 0*	pcs	30.000
44	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.0 0*	pcs	9.000
45	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.5 0*	pcs	14.000
46	Supplier price	Power cable with Cu conductive wires, with insulation and rubber sheath, which does not spread the flame, with section 3x2.5mm <sup>2</sup> * Cu	m	170.000

1	2	3	4	5
47	Supplier price	Power cable with Al wires, with insulation and PVC sheath, which does not spread the flame, with section 4x25 mm <sup>2</sup> * Al	m	17.000
48	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 2x25mm <sup>2</sup> ** Al	m	1 250.000
49	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 4x25mm <sup>2</sup> ** Al	m	230.000
50	Supplier price	Corrugated plastic tube d 20	m	66.000
51	Supplier price	Insulated corrugated metallic tube diam. 50	m	20.000
52	Supplier price	Fixing device to support the console K1	pcs	106.000
53	Supplier price	Copper conductor for installation with 2.5mm <sup>2</sup> PVC insulation	m	10.000
54	Supplier price	Metallic tape 20x0.7mm	m	380.000
55	Supplier price	Clamp for metallic tape	pcs	380.000
56	Supplier price	Intermediate suspension set **AL	pcs	30.000
57	Supplier price	Anchoring console for cable **AL	pcs	80.000
58	Supplier price	Extension clamp for cable **AL	pcs	85.000
59	Supplier price	Drilling clamp for cable **AL, for branching	pcs	42.000
60	Supplier price	Drilling clamp for subscriber 95-13mm <sup>2</sup>	pcs	219.000
61	Supplier price	Clamp for 3П6(10-120/25-95)	pcs	64.000
62	Supplier price	Extinguishing clip, for grounding 25-50mm <sup>2</sup>	pcs	100.000
63	Supplier price	Strap for cable at d=45mm,**AL25-95	pcs	180.000
64	Supplier price	Elastic cap 16-150mm <sup>2</sup>	pcs	40.000
65	Supplier price	Fixing patch **Al on the pillar	pcs	19.000
66	Supplier price	Grounding conductor 3П6	m	60.000
67	Supplier price	Round steel d=20mm L3m	pcs	7.000

1	2	3	4	5
68	Supplier price	Steel strip 40x4mm	m	7.000
69	Supplier price	Round steel diam. 16mm L=5m	kg	150.000
70	Supplier price	Round steel diam. 10 mm	kg	61.700
71	Supplier price	Cable terminal diam.25	pcs	10.000
72	Supplier price	PE rail	pcs	2.000
73	Supplier price	Rail Dn, L=0.5m	pcs	3.000
74	Supplier price	Steel strip 30x4mm	m	7.000
75	Supplier price	Fixing node Y4	pcs	3.000
76	Supplier price	Metallic cable - ditch 50x50 mm	m	10.000
77	Supplier price	Anchor 2.1 x820 BCn3nc2 ГОСТ 24379.1-80	pcs	28.000
78	Supplier price	Nut M24	pcs	28.000
		Total	US\$	
		Incl. salary	US\$	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b>Total</b>	<b>US\$</b>	
		<b>Incl. salary</b>	<b>US\$</b>	
		<b>3. Equipment</b>		
79	Supplier price	Street light fitting of type LED 30W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	30.000
80	Supplier price	Street light fitting of type LED 40W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	7.000
81	Supplier price	Street light fitting of type LED 50W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	9.000
82.	Supplier price	Street light fitting of type LED 60W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	7.000

1	2	3	4	5
83	Supplier price	Street light fitting of type LED 80W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	13.000
84	Supplier price	Street light fitting, crosswalk, of type LED 100W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	7.000
85	Supplier price	Record-keeping case, external, 600x400x275mm, IP54	pcs	1.000
86	Supplier price	Three-phase electronic meter 5-100A,380	pcs	1.000
87	Supplier price	Automatic breaker 3P, car.B, In=25A	pcs	1.000
88	Supplier price	Automatic breaker 3P car.C, In=25A	pcs	1.000
89	Supplier price	Automatic breaker 3P, car.C, In=32A	pcs	1.000
90	Supplier price	Load separator 3P, In=63A	pcs	2.000
91	Supplier price	Pass-through fusible plug 220V 2A,IP54	pcs	73.000
92	Supplier price	Overvoltage limiter made of metal oxides $U_{\text{max}} = 280\text{ V}$ , $I_{\text{decs}} = 10\text{ kA}$	pcs	3.000
93	Supplier price	Voltage relay 380 VAC,50Hz,In=40A,-40C +40C	pcs	1.000
94	Supplier price	Distribution (command) board, type 1, equipped with 1500x1000x500mm, IP54 (Smart electronic three-phased meter 5-100A, 380-1, Automatic breaker 3P, car. B, In = 20 A-1, Automatic breaker 2P, car. B, In = 10 A-1, Metal oxide discharger, 3P + N, 220V, maximum discharge flow 60kA-1set, Contactor 380V-1pc, I = 63A, 4P, NO, Contactor 220V, I = 10A, 2P, NO-1pc , Programmer clock-2, Photo-relay 220VAC, 50Hz I = 10A-2pcs, Mini-switch for signaling the unsanctioned opening of the recording case door-1pc, 3G equipment (Ethernet interface) Router Board 12VDC-1pc, Data concentrator + power supply back-up: 4 batteries 4x12Vx7.2 Ah-1pc, programmable smart data concentrator with responsibility for controlling outdoor lighting in automatic mode, dimming the light flow, online viewing of power consumption, controlling the opening of cases, controlling network parameters, correcting the on/off timetable,	pcs	1.000

1	2	3	4	5
		manual control of the lighting network 220V, 50Hz, -25 .. + 60 * C, 2 digital inputs 30Vdc, 2 intr. imp. meter, 2 outputs .220Vac, 10 A, Ethernet port 10 -1pcs, rotary switch with 3 positions - 2pcs, Copper conductor for mounting with PVC insulation 2.5mm 2-30m.		
		Total	US\$	
		Storage costs, %	US\$	
		<b><u>Total Equipment,</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	
		<b><u>Total estimates:</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	

**Bidder** \_\_\_\_\_

## TECHNICAL SPECIFICATIONS FOR PRICE QUOTATION

**1. Name of the beneficiary: Cahul Mayoralty**

**2. Organizer of the procurement procedure: UNDP Moldova**

**3. Procurement object Renovating the public street lighting system and building an integral smart network in Cahul municipality, PT-91**

### Bid Offer US\$

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		<b>1. Construction works</b>		
1	33-04-017-1k=0.5	Dismantling the existing air СИП cable	1000 m	0.300
2	33-04-017-1	Installing a self-supporting insulated conductor (** AL), laid together with the existing LEA 0.4kV, on reinforced concrete pillars up to 29 pillars / km	1000 m	1.700
3	33-04-014-2k=0.5	Dismantling the existing street light fittings (RKU)	pcs	30.000
4	33-04-014-2	Assembling the light fitting	pcs	65.000
5	33-04-030-1	Assembling LST of metallic oxides on cable **AL	pcs	3.000
6	33-03-004-1	Grounding the LST of metallic oxides	set	1.000
7	33-04-016-2	Transporting the structures and materials - concrete pillars and metallic pillars	pcs	12.000
8	33-04-003-16	Assembling and installing the concrete pillars	pcs	10.000
9	Supplier price	Concrete pillars SET 10.5-5	pcs	9.000
10	Supplier price	Concrete pillars SET 9.5-2	pcs	1.000
11	33-03-004-1	Mechanized beating of vertical grounding outlets LEA and IDD 35-750 kV, at depth up to 5 m, D-16 mm	pcs	20.000
12	33-01-016-1	Installing the metallic pillars	t	0.148
13	Supplier price	Galvanized metallic pillar 6m high CC 6m 62/146/4	pcs	2.000
14	33-03-004-1	Mechanized beating of vertical grounding	pcs	2.000

1	2	3	4	5
		outlets with diam. of 20 mm, at depth up to 3 m		
15	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01, poured with classical means, simple concrete class C15	m <sup>3</sup>	0.400
16	TsA16D1	Manual digging of the soil, in limited spaces, for installing the pillars	m <sup>3</sup>	12.000
17	TsG03A	Clearing works	100 m <sup>2</sup>	0.100
18	33-04-007-1	Assembling reinforced concrete plates II-3u	pcs	1.000
19	TsH92A	Loading the waste into the dumper (after dismantling works)	t	0.500
20	TsI50A5	Transporting dismantled materials at a distance of 5km	t	0.500
		Total	US\$	
		Including salary	US\$	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b>Total</b>	<b>US\$</b>	
		<b>Including salary</b>	<b>US\$</b>	
		<b>2. Mounting works</b>		
21	08-02-363-1k=0.5	Dismantling existing consoles for light fitting	pcs	30.000
22	08-02-363-1	Assembling the consoles	pcs	63.000
23	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm <sup>2</sup> in the console tube	100 m	2.660
24	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm <sup>2</sup> in corrugated tube with diam. 20 mm	100 m	0.630
25	08-03-573-4	Assembling the metallic boards	pcs	1.000
26	08-03-600-2	Meters mounted on prepared support, with three phases 5-100A,380V	pcs	1.000

1	2	3	4	5
27	08-03-575-1	Device or appliance dismantled before transportation, contactor	pcs	1.000
28	08-03-575-1	Device or appliance dismantled before transportation, automatic breaker	pcs	3.000
29	08-03-575-1	Device or appliance dismantled before transportation, load separator	pcs	2.000
30	08-01-087-3	Metallic constructions	t	0.050
31	08-01-061-1	Assembling the pass-through fusible plug	pcs	65.000
32	08-02-410-1	Corrugated polyethylene pipe, diameter up to 20 mm	100 m	0.640
33	08-02-411-2	Laying corrugated metallic tube d 50mm on constructions	100 m	0.200
34	08-02-148-1	Laying cable *AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.170
35	08-02-148-1	Laying cable **AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.030
36	08-01-085-1apl	Assembling the metallic control board	pcs	1.000
37	08-02-407-3	Metallic pipe 50x50mm	100 m	0.050
38	08-02-407-4	Metallic pipe 80x80mm	100 m	0.090
39		<b>Materials</b>		
40	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.0 0*	pcs	58.000
41	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.5 0*	pcs	5.000
42	Supplier price	Power cable with Cu conductive wires, with insulation and rubber sheath, which does not spread the flame, with section 3x2.5mm <sup>2</sup> * Cu	m	360.000
43	Supplier price	Power cable with Al wires, with insulation and PVC sheath, which does not spread the flame, with section 4x25 mm <sup>2</sup> * Al	m	17.000
44	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with	m	1 540.000

1	2	3	4	5
		section 2x25mm2 ** Al		
45	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 4x25mm2 ** Al	m	160.000
46	Supplier price	Corrugated plastic tube d 20	m	64.000
47	Supplier price	Insulated corrugated metallic tube diam. 50	m	20.000
48	Supplier price	Fixing device to support the console K1	pcs	126.000
49	Supplier price	Copper conductor for installation with 2.5mm2 PVC insulation	m	10.000
50	Supplier price	Metallic tape 20x0.7mm	m	325.000
51	Supplier price	Clamp for metallic tape	pcs	325.000
52	Supplier price	Intermediate suspension set **AL	pcs	45.000
53	Supplier price	Anchoring console for cable **AL	pcs	47.000
54	Supplier price	Extension clamp for cable **AL	pcs	55.000
55	Supplier price	Drilling clamp for cable **AL, for branching	pcs	20.000
56	Supplier price	Drilling clamp for subscriber 95-13mm2	pcs	192.000
57	Supplier price	Clamp for 3П6(10-120/25-95)	pcs	70.000
58	Supplier price	Extinguishing clip, for grounding 25-50mm2	pcs	97.000
59	Supplier price	Strap for cable at d=45mm,**AL25-95	pcs	150.000
60	Supplier price	Elastic cap 16-150mm2	pcs	24.000
61	Supplier price	Fixing patch **Al on the pillar	pcs	11.000
62	Supplier price	Grounding conductor 3П6	m	51.000
63	Supplier price	Round steel d=20mm L3m	pcs	2.000
64	Supplier price	Steel strip 40x4mm	m	2.000
65	Supplier price	Round steel diam. 16mm L=5m	kg	165.900
66	Supplier price	Round steel diam. 10 mm	kg	98.720
67	Supplier price	Cable terminal diam.25	pcs	10.000

1	2	3	4	5
68	Supplier price	PE rail	pcs	2.000
69	Supplier price	Rail Dn, L=0.5m	pcs	3.000
70	Supplier price	Fixing node Y4	pcs	1.000
71	Supplier price	Steel strip 30x4mm	m	7.000
72	Supplier price	Anchor 2.1M24 x820 BCn3nc2 ГOCT 24379.1-80	pcs	8.000
73	Supplier price	Nut M24	pcs	8.000
		<u>Total</u> Incl. salary	US\$ US\$	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b> <b>Incl. salary</b>	<b>US\$</b> <b>US\$</b>	
		<b>3. Equipment</b>		
74	Supplier price	Street light fitting of type LED 30W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	35.000
75	Supplier price	Street light fitting of type LED 40W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	23.000
76	Supplier price	Street light fitting of type LED 60W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	5.000
77	Supplier price	Street light fitting, crosswalk, of type LED 100W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	2.000
78	Supplier price	Record-keeping case, external, 600x400x275mm, IP54	pcs	1.000
79	Supplier price	Three-phase electronic meter 5-100A,380	pcs	1.000
80	Supplier price	Automatic breaker 3P, car.B, In=25A	pcs	1.000
81	Supplier price	Automatic breaker 3P car.C, In=25A	pcs	1.000

1	2	3	4	5
82.	Supplier price	Automatic breaker 3P, car.C, In=32A	pcs	1.000
83	Supplier price	Load separator 3P, In=63A	pcs	2.000
84	Supplier price	Pass-through fusible plug 220V 2A,IP54	pcs	65.000
85	Supplier price	Overvoltage limiter made of metal oxides U <sub>max</sub> =280 V,I <sub>decs</sub> =10 kA	pcs	3.000
86	Supplier price	Voltage relay 380 VAC,50Hz,In=40A,-40C +40C	pcs	1.000
87	Supplier price	Distribution (command) board, type 1, equipped with 1500x1000x500mm, IP54 (Smart electronic three-phased meter 5-100A, 380-1, Automatic breaker 3P, car. B, In = 20 A-1, Automatic breaker 2P, car. B, In = 10 A-1, Metal oxide discharger, 3P + N, 220V, maximum discharge flow 60kA-1set, Contactor 380V-1pc, I = 63A, 4P, NO, Contactor 220V, I = 10A, 2P, NO-1pc , Programmer clock-2, Photo-relay 220VAC, 50Hz I = 10A-2pcs, Mini-switch for signaling the unsanctioned opening of the recording case door-1pc, 3G equipment (Ethernet interface) Router Board 12VDC-1pc, Data concentrator + power supply back-up: 4 batteries 4x12Vx7.2 Ah-1pc, programmable smart data concentrator with responsibility for controlling outdoor lighting in automatic mode, dimming the light flow, online viewing of power consumption, controlling the opening of cases, controlling network parameters, correcting the on/off timetable, manual control of the lighting network 220V, 50Hz, -25 .. + 60 * C, 2 digital inputs 30Vdc, 2 intr. imp. meter, 2 outputs .220Vac, 10 A, Ethernet port 10 -1pcs, rotary switch with 3 positions - 2pcs, Copper conductor for mounting with PVC insulation 2.5mm 2-30m.	pcs	1.000
		Total	US\$	
		Storage costs, %	US\$	
		<b><u>Total Equipment,</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	
		<b><u>Total estimates:</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	

**Bidder** \_\_\_\_\_

## TECHNICAL SPECIFICATIONS FOR PRICE QUOTATION

**1. Name of the beneficiary: Cahul Mayoralty**

**2. Organizer of the procurement procedure: UNDP Moldova**

**3. Procurement object Renovating the public street lighting system and building an integral smart network in Cahul municipality, PT92**

### Bid Offer US\$

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		<b>1. Construction works</b>		
1	33-04-042-1	Dismantling the existing metallic pillar	pcs	3.000
2	33-04-017-1k=0.5	Dismantling the existing air СИП cable	1000 m	0.550
3	33-04-017-1	Installing a self-supporting insulated conductor (** AL), laid together with the existing LEA 0.4kV, on reinforced concrete pillars up to 29 pillars / km	1000 m	2.280
4	33-04-014-2k=0.5	Dismantling the existing street light fittings (RKU)	pcs	55.000
5	33-04-014-2	Assembling the light fitting	pcs	73.000
6	33-04-030-1	Assembling LST of metallic oxides on cable **AL	pcs	3.000
7	33-03-004-1	Grounding the LST of metallic oxides	set	1.000
8	33-04-016-2	Transporting the structures and materials - concrete pillars and metallic pillars	pcs	37.000
9	33-04-003-16	Assembling and installing the concrete pillars	pcs	36.000
10	Supplier price	Concrete pillars SET 10.5-5	pcs	35.000
11	Supplier price	Concrete pillars SET 9.5-2	pcs	1.000
12	33-03-004-1	Mechanized beating of vertical grounding outlets LEA and IDD 35-750 kV, at depth up to 5 m, D-16 mm	pcs	29.000
13	33-01-016-1	Installing the metallic pillars	t	0.074
14	Supplier price	Galvanized metallic pillar 6m high CC 6m 62/146/4	pcs	1.000

1	2	3	4	5
15	33-04-007-1	Assembling reinforced concrete plates II-3u	pcs	1.000
16	33-03-004-1	Mechanized beating of vertical grounding outlets with diam. of 20 mm, at depth up to 3 m	pcs	1.000
17	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01, poured with classical means, simple concrete class C15	m <sup>3</sup>	0.300
18	TsA16D1	Manual digging of the soil, in limited spaces, for installing the pillars	m <sup>3</sup>	43.000
19	TsG03A	Clearing works	100 m2	0.100
20	TsH92A	Loading the waste into the dumper (after dismantling works)	t	1.000
21	TsI50A5	Transporting dismantled materials at a distance of 5km	t	1.000
		<u>Total,</u> Including salary	<u>US\$</u> <u>US\$</u>	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	
		<b>2. Mounting works</b>		
22	08-02-363-1k=0.5	Dismantling existing consoles for light fitting	pcs	55.000
23	08-02-363-1	Assembling the consoles	pcs	72.000
24	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in the console tube	100 m	1.340
25	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in corrugated tube with diam. 20 mm	100 m	0.720
26	08-03-573-4	Assembling the metallic boards	pcs	1.000
27	08-03-600-2	Meters mounted on prepared support, with	pcs	1.000

1	2	3	4	5
		three phases 5-100A,380V		
28	08-03-575-1	Device or appliance dismantled before transportation, contactor	pcs	1.000
29	08-03-575-1	Device or appliance dismantled before transportation, automatic breaker	pcs	3.000
30	08-03-575-1	Device or appliance dismantled before transportation, load separator	pcs	2.000
31	08-01-087-3	Metallic constructions	t	0.050
32	08-01-061-1	Assembling the pass-through fusible plug	pcs	73.000
33	08-02-410-1	Corrugated polyethylene pipe, diameter up to 20 mm	100 m	0.720
34	08-02-411-2	Laying corrugated metallic tube d 50mm on constructions	100 m	20.000
35	08-02-148-1	Laying cable *AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.170
36	08-02-148-1	Laying cable **AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.030
37	08-01-085-1	Case with complete distribution installations	pcs	1.000
38	08-02-407-3	Metallic pipe 50x50mm	100 m	0.050
39	08-02-407-4	Metallic pipe 80x80mm	100 m	0.090
40		<b>Materials</b>		
41	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 0.5 0*	pcs	34.000
42	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.0 0*	pcs	24.000
43	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.5 0*	pcs	12.000
44	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 0.5 0*	pcs	1.000
45	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 2.0 0*	pcs	1.000
46	Supplier price	Power cable with Cu conductive wires, with insulation and rubber sheath, which does not	m	150.000

1	2	3	4	5
		spread the flame, with section 3x2.5mm2 * Cu		
47	Supplier price	Power cable with Al wires, with insulation and PVC sheath, which does not spread the flame, with section 4x25 mm2 * Al	m	17.000
48	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 2x25mm2 ** Al	m	2 080.000
49	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 4x25mm2 ** Al	m	200.000
50	Supplier price	Corrugated plastic tube d 20	m	72.000
51	Supplier price	Insulated corrugated metallic tube diam. 50	m	20.000
52	Supplier price	Fixing device to support the console K1	pcs	144.000
53	Supplier price	Copper conductor for installation with 2.5mm2 PVC insulation	m	10.000
54	Supplier price	Metallic tape 20x0.7mm	m	420.000
55	Supplier price	Clamp for metallic tape	pcs	420.000
56	Supplier price	Intermediate suspension set **AL	pcs	44.000
57	Supplier price	Anchoring console for cable **AL	pcs	91.000
58	Supplier price	Extension clamp for cable **AL	pcs	103.000
59	Supplier price	Drilling clamp for cable **AL, for branching	pcs	32.000
60	Supplier price	Drilling clamp for subscriber 95-13mm2	pcs	219.000
61	Supplier price	Clamp for 3П6(10-120/25-95)	pcs	90.000
62	Supplier price	Extinguishing clip, for grounding 25-50mm2	pcs	145.000
63	Supplier price	Strap for cable at d=45mm,**AL25-95	pcs	210.000
64	Supplier price	Elastic cap 16-150mm2	pcs	36.000
65	Supplier price	Fixing patch **Al on the pillar	pcs	17.000
66	Supplier price	Grounding conductor 3П6	m	78.000

1	2	3	4	5
67	Supplier price	Round steel d=20mm L3m	pcs	1.000
68	Supplier price	Steel strip 40x4mm	m	1.000
69	Supplier price	Round steel diam. 16mm L=5m	kg	237.000
70	Supplier price	Round steel diam. 10 mm	kg	86.380
71	Supplier price	Cable terminal diam.25	pcs	10.000
72	Supplier price	PE rail	pcs	2.000
73	Supplier price	Rail Dn, L=0.5m	pcs	3.000
74	Supplier price	Fixing node Y4	pcs	1.000
75	Supplier price	Steel strip 30x4mm	m	7.000
76	Supplier price	Anchor 2.1 x820 BCn3nc2 ГОСТ 24379.1-80	pcs	4.000
77	Supplier price	Nut M24	pcs	4.000
		<u>Total,</u>	<u>US\$</u>	
		Incl. salary	US\$	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b>	<b><u>US\$</u></b>	
		<b>Incl. salary</b>	<b>US\$</b>	
		<b>3. Equipment</b>		
78	Supplier price	Street light fitting of type LED 30W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	34.000
79	Supplier price	Street light fitting of type LED 40W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	36.000
80	Supplier price	Street light fitting, crosswalk, of type LED 100W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	3.000
81	Supplier price	Record-keeping case, external, 600x400x275mm, IP54	pcs	1.000
82.	Supplier price	Three-phase electronic meter 5-100A,380	pcs	1.000

1	2	3	4	5
83	Supplier price	Automatic breaker 3P, car.B, In=25A	pcs	1.000
84	Supplier price	Automatic breaker 3P car.C, In=25A	pcs	1.000
85	Supplier price	Automatic breaker 3P, car.C, In=32A	pcs	1.000
86	Supplier price	Load separator 3P, In=63A	pcs	2.000
87	Supplier price	Pass-through fusible plug 220V 2A,IP54	pcs	73.000
88	Supplier price	Overvoltage limiter made of metal oxides U <sub>max</sub> =280 V,I <sub>decs</sub> =10 kA	pcs	3.000
89	Supplier price	Voltage relay 380 VAC,50Hz,In=40A,-40C +40C	pcs	1.000
90	Supplier price	Distribution (command) board, type 1, equipped with 1500x1000x500mm, IP54 (Smart electronic three-phased meter 5-100A, 380-1, Automatic breaker 3P, car. B, In = 20 A-1, Automatic breaker 2P, car. B, In = 10 A-1, Metal oxide discharger, 3P + N, 220V, maximum discharge flow 60kA-1set, Contactor 380V-1pc, I = 63A, 4P, NO, Contactor 220V, I = 10A, 2P, NO-1pc , Programmer clock-2, Photo-relay 220VAC, 50Hz I = 10A-2pcs, Mini-switch for signaling the unsanctioned opening of the recording case door-1pc, 3G equipment (Ethernet interface) Router Board 12VDC-1pc, Data concentrator + power supply back-up: 4 batteries 4x12Vx7.2 Ah-1pc, programmable smart data concentrator with responsibility for controlling outdoor lighting in automatic mode, dimming the light flow, online viewing of power consumption, controlling the opening of cases, controlling network parameters, correcting the on/off timetable, manual control of the lighting network 220V, 50Hz, -25 .. + 60 * C, 2 digital inputs 30Vdc, 2 intr. imp. meter, 2 outputs .220Vac, 10 A, Ethernet port 10 -1pcs, rotary switch with 3 positions - 2pcs, Copper conductor for mounting with PVC insulation 2.5mm 2-30m.	pcs	1.000
		Total	US\$	
		Storage costs, %	US\$	
		<b>Total Equipment, Incl. salary</b>	<b>US\$ US\$</b>	
		<b>Total estimates:</b>	<b>US\$</b>	

1	2	3	4	5
		<b>incl. salary</b>	<b>US\$</b>	

**Bidder** \_\_\_\_\_

## TECHNICAL SPECIFICATIONS FOR PRICE QUOTATION

1. Name of the beneficiary: Cahul Mayoralty
2. Organizer of the procurement procedure: UNDP Moldova
3. Procurement object **Renovating the public street lighting system and building an integral smart network in Cahul municipality, PT97**

### Bid Offer US\$

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		<b>1. Construction works</b>		
1	33-04-042-1	Dismantling the existing metallic pillar	pcs	11.000
2	33-04-017-1k=0.5	Dismantling the existing air СИП cable	1000 m	0.800
3	33-04-017-1	Installing a self-supporting insulated conductor (** AL), laid together with the existing LEA 0.4kV, on reinforced concrete pillars up to 29 pillars / km	1000 m	3.210
4	33-04-014-2k=0.5	Dismantling the existing street light fittings (RKU)	pcs	45.000
5	33-04-014-2	Assembling the light fitting	pcs	100.000
6	33-04-030-1	Assembling LST of metallic oxides on cable **AL	pcs	6.000
7	33-03-004-1	Grounding the LST of metallic oxides	set	2.000
8	33-04-016-2	Transporting the structures and materials - concrete pillars and metallic pillars	pcs	32.000
9	33-04-003-16	Assembling and installing the concrete pillars	pcs	32.000
10	Supplier price	Concrete pillars SET 10.5-5	pcs	32.000
11	33-03-004-1	Mechanized beating of vertical grounding outlets LEA and IDD 35-750 kV, at depth up to 5 m, D-16 mm	pcs	40.000
12	33-01-016-1	Installing metallic pillars, including pillars from metallic tube, 2 pieces, d-110x4 mm L-10.5 m	t	0.296
13	Supplier price	Galvanized metallic pillar 6m high CC 6m 62/146/4	pcs	4.000

1	2	3	4	5
14	Supplier price	Metallic pillar, steel pipe d-110x4 mm L - 10.5 m	pcs	2.000
15	33-03-004-1	Mechanized beating of vertical grounding outlets with diam. of 20 mm, at depth up to 3 m	pcs	4.000
16	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01, poured with classical means, simple concrete class C15	m <sup>3</sup>	0.800
17	TsA16D1	Manual digging of the soil, in limited spaces, for installing the pillars	m <sup>3</sup>	29.000
18	TsG03A	Clearing works	100 m <sup>2</sup>	0.100
19	TsH92A	Loading the waste into the dumper (after dismantling works)	t	2.000
20	TsI50A5	Transporting dismantled materials at a distance of 5km	t	2.000
		<u>Total</u>	<u>US\$</u>	
		Incl. salary	US\$	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b>	<b><u>US\$</u></b>	
		<b>Incl. salary</b>	<b>US\$</b>	
		<b>2. Mounting works</b>		
21	RpEG17B	Dismantling the metallic boards	pcs	2.000
22	08-02-363-1k=0.5	Dismantling existing consoles for light fitting	pcs	45.000
23	08-02-363-1	Assembling the consoles	pcs	96.000
24	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm <sup>2</sup> in the console tube	100 m	1.870
25	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm <sup>2</sup> in corrugated tube with diam. 20 mm	100 m	0.840

1	2	3	4	5
26	08-03-575-1	Device or appliance dismantled before transportation, automatic breaker	pcs	1.000
27	08-03-575-1	Device or appliance dismantled before transportation, load separator	pcs	1.000
28	08-01-087-3	Metallic constructions	t	0.050
29	08-01-061-1	Assembling the pass-through fusible plug	pcs	101.000
30	08-02-410-1	Corrugated polyethylene pipe, diameter up to 20 mm	100 m	0.990
31	08-02-411-2	Laying corrugated metallic tube d 50mm on constructions	100 m	0.050
32	08-02-148-1	Laying cable *AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.020
33	08-02-148-1	Laying cable **AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.030
34	08-01-085-1	Case with complete distribution installations	pcs	1.000
35	08-02-407-3	Metallic pipe 50x50mm	100 m	0.050
36	08-02-407-4	Metallic pipe 80x80mm	100 m	0.090
37		<b>Materials</b>		
38	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 0.5 0*	pcs	31.000
39	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.0 0*	pcs	45.000
40	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.5 0*	pcs	20.000
41	Supplier price	Power cable with Cu conductive wires, with insulation and rubber sheath, which does not spread the flame, with section 3x2.5mm <sup>2</sup> * Cu	m	315.000
42	Supplier price	Power cable with Al wires, with insulation and PVC sheath, which does not spread the flame, with section 4x25 mm <sup>2</sup> * Al	m	17.000
43	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC	m	2 790.000

1	2	3	4	5
		insulation, without load-bearing wire with section 2x25mm2 ** Al		
44	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 4x25mm2 ** Al	m	420.000
45	Supplier price	Corrugated plastic tube d 20	m	99.000
46	Supplier price	Insulated corrugated metallic tube diam. 50	m	5.000
47	Supplier price	Fixing device to support the console K1	pcs	194.000
48	Supplier price	Copper conductor for installation with 2.5mm2 PVC insulation	m	10.000
49	Supplier price	Metallic tape 20x0.7mm	m	580.000
50	Supplier price	Clamp for metallic tape	pcs	580.000
51	Supplier price	Intermediate suspension set **AL	pcs	70.000
52	Supplier price	Anchoring console for cable **AL	pcs	102.000
53	Supplier price	Extension clamp for cable **AL	pcs	124.000
54	Supplier price	Drilling clamp for cable **AL, for branching	pcs	34.000
55	Supplier price	Drilling clamp for subscriber 95-13mm2	pcs	303.000
56	Supplier price	Clamp for 3П6(10-120/25-95)	pcs	128.000
57	Supplier price	Extinguishing clip, for grounding 25-50mm2	pcs	180.000
58	Supplier price	Strap for cable at d=45mm,**AL25-95	pcs	280.000
59	Supplier price	Elastic cap 16-150mm2	pcs	36.000
60	Supplier price	Fixing patch **Al on the pillar	pcs	17.000
61	Supplier price	Grounding conductor 3П6	m	96.000
62	Supplier price	Round steel d=20mm L3m	pcs	4.000
63	Supplier price	Steel strip 40x4mm	m	4.000
64	Supplier price	Round steel diam. 16mm L=5m	kg	331.800
65	Supplier price	Round steel diam. 10 mm	kg	178.900

1	2	3	4	5
66	Supplier price	Cable terminal diam.25	pcs	10.000
67	Supplier price	PE rail	pcs	2.000
68	Supplier price	Rail Dn, L=0.5m	pcs	3.000
69	Supplier price	Steel strip 30x4mm	m	7.000
70	Supplier price	Metallic cable - ditch 50x50 mm	m	5.000
71	Supplier price	Anchor 2.1 x820 BCn3nc2 ГОСТ 24379.1-80	pcs	16.000
72	Supplier price	Nut M24	pcs	16.000
		Total	US\$	
		Incl. salary	US\$	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b>Total</b>	<b>US\$</b>	
		<b>Incl. salary</b>	<b>US\$</b>	
		<b>3. Equipment</b>		
73	Supplier price	Street light fitting of type LED 20W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	10.000
74	Supplier price	Street light fitting of type LED 30W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	37.000
75	Supplier price	Street light fitting of type LED 40W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	17.000
76	Supplier price	Street light fitting of type LED 50W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	12.000
77	Supplier price	Street light fitting of type LED 60W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	20.000
78	Supplier price	Street light fitting, crosswalk, of type LED 100W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	4.000

1	2	3	4	5
79	Supplier price	Automatic breaker 3P, car.B, In=25A	pcs	1.000
80	Supplier price	Load separator 3P, In=63A	pcs	1.000
81	Supplier price	Pass-through fusible plug 220V 2A,IP54	pcs	101.000
82.	Supplier price	Overvoltage limiter made of metal oxides U <sub>max</sub> =280 V,I <sub>decs</sub> =10 kA	pcs	3.000
83	Supplier price	Voltage relay 380 VAC,50Hz,In=40A,-40C +40C	pcs	1.000
84	Supplier price	Distribution (command) board, type 1, equipped with 1500x1000x500mm, IP54 (Smart electronic three-phased meter 5-100A, 380-1, Automatic breaker 3P, car. B, In = 20 A-1, Automatic breaker 2P, car. B, In = 10 A- 1, Metal oxide discharger, 3P + N, 220V, maximum discharge flow 60kA-1set, Contactor 380V-1pc, I = 63A, 4P, NO, Contactor 220V, I = 10A, 2P, NO-1pc , Programmer clock-2, Photo-relay 220VAC, 50Hz I = 10A-2pcs, Mini-switch for signaling the unsanctioned opening of the recording case door-1pc, 3G equipment (Ethernet interface) Router Board 12VDC-1pc, Data concentrator + power supply back-up: 4 batteries 4x12Vx7.2 Ah-1pc, programmable smart data concentrator with responsibility for controlling outdoor lighting in automatic mode, dimming the light flow, online viewing of power consumption, controlling the opening of cases, controlling network parameters, correcting the on/off timetable, manual control of the lighting network 220V, 50Hz, -25 .. + 60 * C, 2 digital inputs 30Vdc, 2 intr. imp. meter, 2 outputs .220Vac, 10 A, Ethernet port 10 -1pcs, rotary switch with 3 positions - 2pcs, Copper conductor for mounting with PVC insulation 2.5mm 2-30m.	pcs	1.000
		Total	US\$	
		Storage costs, %	US\$	
		<b><u>Total Equipment,</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	
		<b><u>Total estimates:</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	

**Bidder** \_\_\_\_\_

## TECHNICAL SPECIFICATIONS FOR PRICE QUOTATION

1. Name of the beneficiary: Cahul Mayoralty
2. Organizer of the procurement procedure: UNDP Moldova
3. Object of procurement: **Renovating the public street lighting system and building an integral smart network in Cahul municipality, PT98**

### Bid Offer US\$

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		<b>1. Construction works</b>		
1	33-04-042-1	Dismantling the existing metallic pillar	pcs	1.000
2	33-04-017-1k=0.5	Dismantling the existing air СИП cable	1000 m	0.400
3	33-04-017-1	Installing a self-supporting insulated conductor (** AL), laid together with the existing LEA 0.4kV, on reinforced concrete pillars up to 29 pillars / km	1000 m	1.500
4	33-04-014-2k=0.5	Dismantling the existing street light fittings (RKU)	pcs	30.000
5	33-04-014-2	Assembling the light fitting	pcs	47.000
6	33-04-030-1	Assembling LST of metallic oxides on cable **AL	pcs	3.000
7	33-03-004-1	Grounding the LST of metallic oxides	set	1.000
8	33-04-016-2	Transporting the structures and materials - concrete pillars	pcs	14.000
9	33-04-003-16	Assembling and installing the concrete pillars	pcs	14.000
10	Supplier price	Concrete pillars SET 10.5-5	pcs	13.000
11	Supplier price	Concrete pillars SET 9.5-2	pcs	1.000
12	33-04-007-1	Assembling reinforced concrete plates П-3u	pcs	1.000
13	33-03-004-1	Mechanized beating of vertical grounding outlets LEA and IDD 35-750 kV, at depth up to 5 m, D-16 mm	pcs	17.000
14	TsA16D1	Manual digging of the soil, in limited spaces	m <sup>3</sup>	17.000

1	2	3	4	5
15	TsG03A	Clearing works	100 m2	0.500
16	TsH92A	Loading the waste into the dumper (after dismantling works)	t	1.800
17	TsI50A5	Transporting dismantled materials at a distance of 5km	t	1.800
		<u>Total,</u> incl. salary	<u>US\$</u> <u>US\$</u>	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	
		<b>2. Mounting works</b>		
18	RpEB13C	Dismantling non-insulated conductors A35	m	300.000
19	RpEB08C	Dismantling non-insulated conductors A35	m	300.000
20	08-02-363-1k=0.5	Dismantling existing consoles for light fitting	pcs	30.000
21	08-02-363-1	Assembling the consoles	pcs	47.000
22	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in the console tube	100 m	0.890
23	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in corrugated tube with diam. 20 mm	100 m	0.470
24	08-03-573-4	Assembling the metallic boards	pcs	1.000
25	08-03-600-2	Meters mounted on prepared support, with three phases 5-100A,380V	pcs	1.000
26	08-03-575-1	Device or appliance dismantled before transportation, contactor	pcs	1.000
27	08-03-575-1	Device or appliance dismantled before transportation, automatic breaker	pcs	3.000
28	08-03-575-1	Device or appliance dismantled before transportation, load separator	pcs	2.000

1	2	3	4	5
29	08-01-087-3	Metallic constructions	t	0.050
30	08-01-061-1	Assembling the pass-through fusible plug	pcs	47.000
31	08-02-410-1	Corrugated polyethylene pipe, diameter up to 20 mm	100 m	0.140
32	08-02-411-2	Laying corrugated metallic tube d 50mm on constructions	100 m	0.200
33	08-02-148-1	Laying cable *AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.170
34	08-02-148-1	Laying cable **AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.030
35	08-01-085-1apl	Case with complete distribution installations	pcs	1.000
36	08-02-407-3	Metallic pipe 50x50mm	100 m	0.050
37	08-02-407-4	Metallic pipe 80x80mm	100 m	0.090
38	08-02-305-4	Cross-beam	pcs	3.000
39	08-01-053-1	Insulators	pcs	6.000
40		<b>Materials</b>		
41	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 0.5 0*	pcs	10.000
42	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.0 0*	pcs	37.000
43	Supplier price	Power cable with Cu conductive wires, with insulation and rubber sheath, which does not spread the flame, with section 3x2.5mm <sup>2</sup> * Cu	m	150.000
44	Supplier price	Power cable with Al wires, with insulation and PVC sheath, which does not spread the flame, with section 4x25 mm <sup>2</sup> * Al	m	17.000
45	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 2x25mm <sup>2</sup> ** Al	m	1 440.000
46	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC	m	60.000

1	2	3	4	5
		insulation, without load-bearing wire with section 4x25mm <sup>2</sup> ** Al		
47	Supplier price	Corrugated plastic tube d 20	m	47.000
48	Supplier price	Insulated corrugated metallic tube diam. 50	m	20.000
49	Supplier price	Fixing device to support the console K1	pcs	94.000
50	Supplier price	Copper conductor for installation with 2.5mm <sup>2</sup> PVC insulation	m	10.000
51	Supplier price	Metallic tape 20x0.7mm	m	245.000
52	Supplier price	Clamp for metallic tape	pcs	245.000
53	Supplier price	Intermediate suspension set **AL	pcs	37.000
54	Supplier price	Anchoring console for cable **AL	pcs	38.000
55	Supplier price	Extension clamp for cable **AL	pcs	45.000
56	Supplier price	Drilling clamp for cable **AL, for branching	pcs	16.000
57	Supplier price	Drilling clamp for subscriber 95-13mm <sup>2</sup>	pcs	141.000
58	Supplier price	Clamp for 3П6(10-120/25-95)	pcs	60.000
59	Supplier price	Extinguishing clip, for grounding 25-50mm <sup>2</sup>	pcs	80.000
60	Supplier price	Strap for cable at d=45mm,**AL25-95	pcs	180.000
61	Supplier price	Elastic cap 16-150mm <sup>2</sup>	pcs	20.000
62	Supplier price	Fixing patch **Al on the pillar	pcs	9.000
63	Supplier price	Grounding conductor 3П6	m	40.000
64	Supplier price	Round steel diam. 16mm L=5m	kg	142.200
65	Supplier price	Round steel diam. 10 mm	kg	74.100
66	Supplier price	Cable terminal diam.25	pcs	10.000
67	Supplier price	PE rail	pcs	2.000
68	Supplier price	Rail Dn, L=0.5m	pcs	3.000
69	Supplier price	Fixing node Y4	pcs	1.000
70	Supplier price	Steel strip 30x4mm	m	7.000

1	2	3	4	5
71	Supplier price	Cross-beam TH-2	pcs	3.000
72	Supplier price	Clamp X10	pcs	3.000
73	Supplier price	Insulator TΦ-20 01	pcs	1.000
		<u>Total</u> Incl. salary	<u>US\$</u> <u>US\$</u>	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	
		<b>3. Equipment</b>		
74	Supplier price	Street light fitting of type LED 30W, equipped with dimmable driver and remote management system >= 140Lm/W	pcs	10.000
75	Supplier price	Street light fitting of type LED 40W, equipped with dimmable driver and remote management system >= 140Lm/W	pcs	37.000
76	Supplier price	Record-keeping case, external, 600x400x275mm, IP54	pcs	1.000
77	Supplier price	Three-phase electronic meter 5-100A,380	pcs	1.000
78	Supplier price	Automatic breaker 3P, car.B, In=25A	pcs	1.000
79	Supplier price	Automatic breaker 3P car.C, In=25A	pcs	1.000
80	Supplier price	Automatic breaker 3P, car.C, In=32A	pcs	1.000
81	Supplier price	Load separator 3P, In=63A	pcs	2.000
82.	Supplier price	Pass-through fusible plug 220V 2A,IP54	pcs	47.000
83	Supplier price	Overvoltage limiter made of metal oxides U <sub>max</sub> =280 V,I <sub>decs</sub> =10 kA	pcs	3.000
84	Supplier price	Voltage relay 380 VAC,50Hz,In=40A,-40C +40C	pcs	1.000
85	Supplier price	Distribution (command) board, type 1, equipped with 1500x1000x500mm, IP54 (Smart electronic three-phased meter 5-100A, 380-1, Automatic breaker 3P, car. B, In = 20 A-1, Automatic breaker 2P, car. B, In = 10 A- 1, Metal oxide discharger, 3P + N, 220V, maximum discharge flow 60kA-1set, Contactor 380V-1pc, I = 63A, 4P, NO,	pcs	1.000

1	2	3	4	5
		Contactor 220V, I = 10A, 2P, NO-1pc , Programmer clock-2, Photo-relay 220VAC, 50Hz I = 10A-2pcs, Mini-switch for signaling the unsanctioned opening of the recording case door-1pc, 3G equipment (Ethernet interface) Router Board 12VDC-1pc, Data concentrator + power supply back-up: 4 batteries 4x12Vx7.2 Ah-1pc, programmable smart data concentrator with responsibility for controlling outdoor lighting in automatic mode, dimming the light flow, online viewing of power consumption, controlling the opening of cases, controlling network parameters, correcting the on/off timetable, manual control of the lighting network 220V, 50Hz, -25 .. + 60 * C, 2 digital inputs 30Vdc, 2 intr. imp. meter, 2 outputs .220Vac, 10 A, Ethernet port 10 -1pcs, rotary switch with 3 positions - 2pcs, Copper conductor for mounting with PVC insulation 2.5mm 2-30m.		
		Total	US\$	
		Storage costs, %	US\$	
		<b><u>Total Equipment,</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	
		<b><u>Total estimates:</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	

Bidder \_\_\_\_\_

## TECHNICAL SPECIFICATIONS FOR PRICE QUOTATION

**1 Name of the beneficiary: Cahul Mayoralty**

**2. Organizer of the procurement procedure: UNDP Moldova**

**3. Object of procurement: Renovating the public street lighting system and building an integral smart network in Cahul municipality, PT-101**

### Bid Offer US\$

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		<b>1. Construction works</b>		
1	33-04-042-1	Dismantling the existing metallic pillar	pcs	18.000
2	33-04-017-1k=0.5	Dismantling the existing air СИП cable	1000 m	0.500
3	33-04-017-1	Installing a self-supporting insulated conductor (** AL), laid together with the existing LEA 0.4kV, on reinforced concrete pillars up to 29 pillars / km	1000 m	0.640
4	33-04-014-2k=0.5	Dismantling the existing street light fittings (RKU)	pcs	20.000
5	33-04-014-2	Assembling the light fitting	pcs	21.000
6	33-04-030-1	Assembling LST of metallic oxides on cable **AL	pcs	3.000
7	33-03-004-1	Grounding the LST of metallic oxides	set	1.000
8	33-04-016-2	Transporting the structures and materials - concrete pillars and metallic pillars	pcs	20.000
9	TsA16D1	Manual digging of the soil, in limited spaces, for installing the pillars	m <sup>3</sup>	15.000
10	33-04-003-16	Assembling and installing the concrete pillars	pcs	11.000
11	Supplier price	Concrete pillars SET 10.5-5	pcs	11.000
12	Supplier price	Reinforced concrete pillars, centrifuged, L=16,4 m CK-16.1-1.3	pcs	1.000
13	33-03-004-1	Mechanized beating of vertical grounding outlets LEA and IDD 35-750 kV, at depth up to 5 m, D-16 mm	pcs	5.000

1	2	3	4	5
14	33-01-016-1	Installing the metallic pillars	t	8.000
15	Supplier price	Galvanized metallic pillar 6m high CC 6m 62/146/4	pcs	8.000
16	33-04-007-1	Assembling reinforced concrete plates II-1	pcs	1.000
17	33-03-004-1	Mechanized beating of vertical grounding outlets with diam. of 20 mm, at depth up to 3 m	pcs	8.000
18	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01, poured with classical means, simple concrete class C15	m <sup>3</sup>	1.500
19	TsG03A	Clearing works	100 m2	0.600
20	TsH92A	Loading the waste into the dumper (after dismantling works)	t	2.500
21	TsI50A5	Transporting dismantled materials at a distance of 5km	t	2.500
		<u>Total</u>	<u>US\$</u>	
		Incl. salary	US\$	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b>	<b><u>US\$</u></b>	
		<b>Incl. salary</b>	<b>US\$</b>	
		<b>2. Mounting works</b>		
22	RpEG17B	Dismantling the metallic boards	pcs	2.000
23	08-02-363-1k=0.5	Dismantling existing consoles for light fitting	pcs	20.000
24	08-02-363-1	Assembling the consoles	pcs	12.000
25	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in the console tube	100 m	0.380
26	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in corrugated tube with diam. 20 mm	100 m	0.120

1	2	3	4	5
27	08-03-573-4	Assembling the metallic boards	pcs	1.000
28	08-03-600-2	Meters mounted on prepared support, with three phases 5-100A,380V	pcs	1.000
29	08-03-575-1	Device or appliance dismantled before transportation, contactor	pcs	1.000
30	08-03-575-1	Device or appliance dismantled before transportation, automatic breaker	pcs	3.000
31	08-03-575-1	Device or appliance dismantled before transportation, load separator	pcs	2.000
32	08-01-087-3	Metallic constructions	t	0.050
33	08-01-061-1	Assembling the pass-through fusible plug	pcs	21.000
34	08-02-410-1	Corrugated polyethylene pipe, diameter up to 20 mm	100 m	0.130
35	08-02-411-2	Laying corrugated metallic tube d 50mm on constructions	100 m	0.200
36	08-02-148-1	Laying cable *AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.170
37	08-02-148-1	Laying cable **AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.030
38	08-01-085-1apl	Case with complete distribution installations	pcs	1.000
39	08-02-407-3	Metallic pipe 50x50mm	100 m	0.050
40	08-02-407-4	Metallic pipe 80x80mm	100 m	0.090
41		<b>Materials</b>		
42	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 0.5 0*	pcs	1.000
43	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.0 0*	pcs	2.000
44	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.5 0*	pcs	8.000
45	Supplier price	Double console for light fitting diam.40-60mm K2K-0.1- 1.5 0*	pcs	1.000

1	2	3	4	5
46	Supplier price	Power cable with Cu conductive wires, with insulation and rubber sheath, which does not spread the flame, with section 3x2.5mm <sup>2</sup> * Cu	m	55.000
47	Supplier price	Power cable with Al wires, with insulation and PVC sheath, which does not spread the flame, with section 4x25 mm <sup>2</sup> * Al	m	17.000
48	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 2x25mm <sup>2</sup> ** Al	m	510.000
49	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 4x25mm <sup>2</sup> ** Al	m	130.000
50	Supplier price	Corrugated plastic tube d 20	m	13.000
51	Supplier price	Insulated corrugated metallic tube diam. 50	m	20.000
52	Supplier price	Fixing device to support the console K1	pcs	22.000
53	Supplier price	Copper conductor for installation with 2.5mm <sup>2</sup> PVC insulation	m	10.000
54	Supplier price	Metallic tape 20x0.7mm	m	160.000
55	Supplier price	Clamp for metallic tape	pcs	160.000
56	Supplier price	Intermediate suspension set **AL	pcs	8.000
57	Supplier price	Anchoring console for cable **AL	pcs	42.000
58	Supplier price	Extension clamp for cable **AL	pcs	48.000
59	Supplier price	Drilling clamp for cable **AL, for branching	pcs	20.000
60	Supplier price	Drilling clamp for subscriber 95-13mm <sup>2</sup>	pcs	44.000
61	Supplier price	Clamp for 3П6(10-120/25-95)	pcs	26.000
62	Supplier price	Extinguishing clip, for grounding 25-50mm <sup>2</sup>	pcs	380.000
63	Supplier price	Strap for cable at d=45mm,**AL25-95	pcs	90.000
64	Supplier price	Elastic cap 16-150mm <sup>2</sup>	pcs	24.000

1	2	3	4	5
65	Supplier price	Fixing patch **Al on the pillar	pcs	11.000
66	Supplier price	Grounding conductor 3П6	m	22.000
67	Supplier price	Round steel d=20mm L3m	pcs	8.000
68	Supplier price	Steel strip 40x4mm	m	8.000
69	Supplier price	Round steel diam. 16mm L=5m	kg	47.400
70	Supplier price	Round steel diam. 10 mm	kg	12.340
71	Supplier price	Cable terminal diam.25	pcs	10.000
72	Supplier price	PE rail	pcs	2.000
73	Supplier price	Rail Dn, L=0.5m	pcs	3.000
74	Supplier price	Steel strip 30x4mm	m	7.000
75	Supplier price	Anchor 2.1 M24 x820 BCn3nc2 FOCT 24379.1-80	pcs	32.000
76	Supplier price	Nut M24	pcs	32.000
		<u>Total</u>	<u>US\$</u>	
		Incl. salary	US\$	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b>	<b><u>US\$</u></b>	
		<b>Incl. salary</b>	<b>US\$</b>	
		<b>3. Equipment</b>		
77	Supplier price	Street light fitting of type LED 30W, equipped with dimmable driver and remote management system >= 140Lm/W	pcs	1.000
78	Supplier price	Street light fitting of type LED 50W, equipped with dimmable driver and remote management system >= 140Lm/W	pcs	2.000
79	Supplier price	Street light fitting of type LED 60W, equipped with dimmable driver and remote management system >= 140Lm/W	pcs	8.000
80	Supplier price	Street light fitting of type LED 150W,	pcs	2.000

1	2	3	4	5
		equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$		
81	Supplier price	Street light fitting, crosswalk, of type LED 100W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	8.000
82.	Supplier price	Record-keeping case, external, 600x400x275mm, IP54	pcs	1.000
83	Supplier price	Three-phase electronic meter 5-100A,380	pcs	1.000
84	Supplier price	Automatic breaker 3P, car.B, In=25A	pcs	1.000
85	Supplier price	Automatic breaker 3P car.C ,In=25A	pcs	1.000
86	Supplier price	Automatic breaker 3P, car.C, In=32A	pcs	1.000
87	Supplier price	Load separator 3P, In=63A	pcs	2.000
88	Supplier price	Pass-through fusible plug 220V 2A,IP54	pcs	21.000
89	Supplier price	Overvoltage limiter made of metal oxides $U_{\text{max}} = 280\text{ V}, I_{\text{decs}} = 10\text{ kA}$	pcs	3.000
90	Supplier price	Voltage relay 380 VAC,50Hz,In=40A,-40C +40C	pcs	1.000
91	Supplier price	Distribution (command) board, type 1, equipped with 1500x1000x500mm, IP54 (Smart electronic three-phased meter 5-100A, 380-1, Automatic breaker 3P, car. B, In = 20 A-1, Automatic breaker 2P, car. B, In = 10 A-1, Metal oxide discharger, 3P + N, 220V, maximum discharge flow 60kA-1set, Contactor 380V-1pc, I = 63A, 4P, NO, Contactor 220V, I = 10A, 2P, NO-1pc , Programmer clock-2, Photo-relay 220VAC, 50Hz I = 10A-2pcs, Mini-switch for signaling the unsanctioned opening of the recording case door-1pc, 3G equipment (Ethernet interface) Router Board 12VDC-1pc, Data concentrator + power supply back-up: 4 batteries 4x12Vx7.2 Ah-1pc, programmable smart data concentrator with responsibility for controlling outdoor lighting in automatic mode, dimming the light flow, online viewing of power consumption, controlling the opening of cases, controlling network parameters, correcting the on/off timetable, manual control of the lighting network 220V, 50Hz, -25 .. + 60 * C, 2 digital inputs 30Vdc,	pcs	1.000

1	2	3	4	5
		2 intr. imp. meter, 2 outputs .220Vac, 10 A, Ethernet port 10 -1pcs, rotary switch with 3 positions - 2pcs, Copper conductor for mounting with PVC insulation 2.5mm 2-30m.		
		Total	US\$	
		Storage costs, %	US\$	
		<b><u>Total Equipment,</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	
		<b><u>Total estimates:</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	

**Bidder** \_\_\_\_\_

## TECHNICAL SPECIFICATIONS FOR PRICE QUOTATION

- 1 Name of the beneficiary: Cahul Mayoralty
2. Organizer of the procurement procedure: UNDP Moldova
3. Procurement object **Renovating the public street lighting system and building an integral smart network in Cahul municipality, PT102**

### Bid Offer US\$

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		<b>1. Construction works</b>		
1	33-04-042-1	Dismantling the existing metallic pillar = H9m	pcs	5.000
2	RpCB18G	Demolishing the old concrete by mechanic means, reinforced concrete (concrete foundation under the metallic pillars and Chamomile type)	m <sup>3</sup>	20.480
3	33-04-042-6	Dismantling the pillars of Chamomile type H=20m	pcs	2.000
4	33-04-017-1k=0.5	Dismantling the existing air СИП cable	1000 m	0.550
5	33-04-017-1	Installing a self-supporting insulated conductor (** AL), laid together with the existing LEA 0.4kV, on reinforced concrete pillars up to 29 pillars / km	1000 m	1.930
6	33-04-014-2k=0.5	Dismantling the existing street light fittings (RKU)	pcs	85.000
7	33-04-014-2	Assembling the light fitting	pcs	93.000
8	33-04-030-1	Assembling LST of metallic oxides on cable **AL	pcs	5.000
9	33-03-004-1	Grounding the LST of metallic oxides	set	3.000
10	33-04-016-2	Transporting the structures and materials - concrete pillars and metallic pillars	pcs	30.000
11	TsA16D1	Manual digging of the soil, in limited spaces, for installing the pillars	m <sup>3</sup>	20.000

1	2	3	4	5
12	33-04-003-16	Assembling and installing the concrete pillars	pcs	16.000
13	Supplier price	Concrete pillars SET 10.5-5	pcs	10.000
14	Supplier price	Reinforced concrete pillars, centrifuged, L=16,4 m CK-16.1-1.3	pcs	6.000
15	33-03-004-1	Mechanized beating of vertical grounding outlets LEA and IDD 35-750 kV, at depth up to 5 m, D-16 mm	pcs	26.000
16	33-01-016-1	Installing the metallic pillars	t	1.258
17	Supplier price	Galvanized metallic pillar 6m high CC 6m 62/146/4	pcs	8.000
18	33-03-004-1	Mechanized beating of vertical grounding outlets with diam. of 20 mm, at depth up to 3 m	pcs	17.000
19	Supplier price	Cast iron metallic pillar, with double console, 3.44m high, equipped with Led bulb, 2x50W-SI-2	pcs	6.000
20	33-04-007-1	Assembling reinforced concrete plates II-1	pcs	6.000
21	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01, poured with classical means, simple concrete class C15	m <sup>3</sup>	3.200
22	TsA16C1	Manual digging of the soil, in trenches, for low voltage electrical cables, width <1m, depth <0.8 m, hard ground	m <sup>3</sup>	100.000
23	34-02-003-1	Executing the pipe line from polyethylene pipes PE diam50 (PEND)	1 km	0.650
24	08-02-142-1	Executing the bedding for one single cable in the ditch	100 m	6.000
25	Supplier price	Sand	m <sup>3</sup>	33.000
26	Supplier price	Crushed stone M400 fr.20-30	m <sup>3</sup>	0.200

1	2	3	4	5
27	RpEJ04B	Cable laying works: soil filling, executed in horizontal layers 20-30 cm thick, well-watered and beaten with the manual knocker	m <sup>3</sup>	67.000
28	08-02-143-1	Covering the cable, placed in the ditch: with bricks, one single cable	100 m	6.000
29	404-23	Bricks	pcs	2 200.000
30	DG01A	Pulling apart pavement or foundations from rough stone, boulders or chipping of rough stone or of boulders posed on sand	m <sup>2</sup>	70.000
31	DE18A	Pavement made of precast concrete paving slabs 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, from dismantling works	m <sup>2</sup>	63.000
32	DE18A	Pavement made of precast concrete paving slabs 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, 10% of new surface	m <sup>2</sup>	7.000
33	GD60A	Assembling and dismantling the drilling rigs, screeds and wideners, for pipes with a diameter up to 125 mm	pcs	6.000
34	GD59A	Laying the protection tube, through directive horizontal drilling (FOD), executed on normal ground, for pipes having the diameter up to 125 mm. Steel pipe d-110 x4 mm	m	70.000
35	TsG03A	Clearing works	100 m2	0.100
36	TsH92A	Loading the waste into the dumper (after dismantling works)	t	31.000
37	TsI50A5	Transporting dismantled materials at a distance of 5km	t	31.000
		<u>Total,</u> Incl. salary	<u>US\$</u> <u>US\$</u>	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	

1	2	3	4	5
		<b>Incl. salary</b>		
		<b>2. Mounting works</b>		
38	08-02-363-1k=0.5	Dismantling existing consoles for light fitting	pcs	60.000
39	08-02-363-1	Assembling the consoles	pcs	63.000
40	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in the console tube	100 m	2.500
41	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in corrugated tube with diam. 20 mm	100 m	0.610
42	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in the tube of the metallic pillar	100 m	0.700
43	08-02-148-2	Laying the insulated cable *Cu 3x2.5mm2 internally, centrifuged pillar	100 m	0.900
44	08-02-148-1	Laying the insulated cable *Cu 2x16 mm2 in the tube of the metallic pillar	100 m	0.700
45	08-03-573-4	Assembling the metallic boards	pcs	9.000
46	08-03-600-2	Meters mounted on prepared support, with three phases 5-100A,380V	pcs	1.000
47	08-03-575-1	Device or appliance dismantled before transportation, contactor	pcs	1.000
48	08-03-575-1	Device or appliance dismantled before transportation, automatic breaker	pcs	5.000
49	08-03-575-1	Device or appliance dismantled before transportation, load separator	pcs	2.000
50	08-03-575-1	Device or appliance dismantled before transportation, separator - support SF	pcs	6.000
51	08-01-087-3	Metallic constructions	t	0.050
52	08-01-061-1	Assembling the pass-through fusible plug	pcs	93.000
53	08-02-411-2	Laying corrugated metallic tube d 50mm on constructions	100 m	0.020
54	08-02-410-1	Corrugated polyethylene pipe, diameter up to	100 m	0.650

1	2	3	4	5
		20 mm		
55	08-02-148-1	Laying cable *AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.200
56	08-02-148-1	Laying cable **AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.030
57	08-02-148-1	Cable up to 35 kV in pipes, **Cu 2x16mm <sup>2</sup> in PE tube	100 m	6.000
58	08-02-141-1	Cable up to 35 kV in ditches **Cu 2x16 mm <sup>2</sup> in ditches	100 m	6.000
59	08-02-148-1	Cable up to 35 kV in pipes, laid,**Cu 2x16mm <sup>2</sup> in corrugated tube, diam. 50, in foundation	100 m	0.500
60	08-02-411-2	Laying corrugated tube d 50mm on constructions	100 m	0.030
61	08-02-148-1	Cable up to 35 kV in pipes, laid,**Cu 2x16mm <sup>2</sup> in corrugated tube, diam. 50, on constructions	100 m	0.030
62	08-03-641-7	Assembling the connection box inside the metallic pillar	pcs	7.000
63	08-01-085-1apl	Case with complete distribution installations	pcs	1.000
64	08-02-407-3	Metallic pipe 50x50mm	100 m	0.050
65	08-02-407-4	Metallic pipe 80x80mm	100 m	0.090
66		<b>Materials</b>		
67	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 0.5 0*	pcs	20.000
68	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.0 0*	pcs	36.000
69	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.5 15*	pcs	1.000
70	Supplier price	Double console for light fitting diam.40-60mm K2K-0.1- 1.5 0*	pcs	2.000

1	2	3	4	5
71	Supplier price	Triple console for light fitting diam.40-60mm K3K-0.1- 1.5 0*	pcs	2.000
72	Supplier price	Power cable with Cu conductive wires, with insulation and rubber sheath, which does not spread the flame, with section 3x2.5mm2 * Cu	m	500.000
73	Supplier price	Power cable with Al wires, with insulation and PVC sheath, which does not spread the flame, with section 4x25 mm2 * Al	m	17.000
74	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 2x25mm2 ** Al	m	1 905.000
75	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 4x25mm2 ** Al	m	25.000
76	Supplier price	Multi-wired power cable made of Cu, with polyvinyl chloride insulation, with section 2x16mm2 ** Cu	m	660.000
77	Supplier price	Corrugated plastic tube d 20	m	65.000
78	Supplier price	Insulated corrugated metallic tube diam. 20	m	2.000
79	Supplier price	Insulated corrugated metallic tube diam. 50	m	20.000
80	Supplier price	Fixing device to support the console K1	pcs	114.000
81	Supplier price	Copper conductor for installation with 2.5mm2 PVC insulation	m	10.000
82.	Supplier price	Metallic tape 20x0.7mm	m	490.000
83	Supplier price	Clamp for metallic tape	pcs	490.000
84	Supplier price	Intermediate suspension set **AL	pcs	48.000
85	Supplier price	Anchoring console for cable **AL	pcs	88.000
86	Supplier price	Extension clamp for cable **AL	pcs	100.000
87	Supplier price	Drilling clamp for cable **AL, for branching	pcs	42.000

1	2	3	4	5
88	Supplier price	Drilling clamp for subscriber 95-13mm2	pcs	273.000
89	Supplier price	Clamp for 3П6(10-120/25-95)	pcs	100.000
90	Supplier price	Extinguishing clip, for grounding 25-50mm2	pcs	120.000
91	Supplier price	Strap for cable at d=45mm,**AL25-95	pcs	220.000
92	Supplier price	Elastic cap 16-150mm2	pcs	44.000
93	Supplier price	Fixing patch **Al on the pillar	pcs	21.000
94	Supplier price	Grounding conductor 3П6	m	66.000
95	Supplier price	Round steel d=20mm L3m	pcs	17.000
96	Supplier price	Round steel diam. 16mm L=5m	kg	213.300
97	Supplier price	Round steel diam. 10 mm	kg	98.720
98	Supplier price	Steel strip 40x4mm	m	17.000
99	Supplier price	Cable terminal diam.25	pcs	10.000
100	Supplier price	PE rail	pcs	9.000
101	Supplier price	Rail Dn, L=0.5m	pcs	11.000
102	Supplier price	Steel strip 30x4mm	m	7.000
103	Supplier price	Anchor 2.1M24 x820 BCn3nc2 ГОСТ 24379.1-80	pcs	44.000
104	Supplier price	Nut M24	pcs	44.000
105	Supplier price	Anchor diam. 8 A-1 ГОСТ5781-82* ,L=500	pcs	32.000
106	Supplier price	Corrugated plastic tube d 50	m	50.000
107	Supplier price	Metallic cable - ditch 50x50 mm	m	6.000
108	Supplier price	Heat-shrink tube 120-34mm SRH2	m	6.000
109	Supplier price	Clamp M16	pcs	36.000
		<u>Total,</u> Incl. salary	<u>US\$</u> <u>US\$</u>	

1	2	3	4	5
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b>Total</b>	<b>US\$</b>	
		<b>Incl. salary</b>	<b>US\$</b>	
		<b>3. Equipment</b>		
110	Supplier price	Street light fitting of type LED 30W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	26.000
111	Supplier price	Street light fitting of type LED 50W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	37.000
112	Supplier price	Street light fitting of type LED 60W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	14.000
113	Supplier price	Anchor 2.1M24 x820 BCn3nc2 ГOCT 24379.1-80	pcs	4.000
114	Supplier price	Street light fitting of type LED 150W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	8.000
115	Supplier price	Street light fitting, crosswalk, of type LED 100W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	pcs	8.000
116	Supplier price	Record-keeping case, external, 600x400x275mm, IP54	pcs	1.000
117	Supplier price	Three-phase electronic meter 5-100A,380	pcs	1.000
118	Supplier price	Automatic breaker 3P, car.B, In=25A	pcs	1.000
119	Supplier price	Automatic breaker 3P car.C, In=25A	pcs	1.000
120	Supplier price	Automatic breaker 3P, car.C, In=32A	pcs	1.000
121	Supplier price	Load separator 3P, In=63A	pcs	2.000
122	Supplier price	Pass-through fusible plug 220V 2A,IP54	pcs	93.000

1	2	3	4	5
123	Supplier price	Overvoltage limiter made of metal oxides U <sub>max</sub> =280 V,I <sub>decs</sub> =10 kA	pcs	5.000
124	Supplier price	Voltage relay 380 VAC,50Hz,I <sub>n</sub> =40A,-40C +40C	pcs	1.000
125	Supplier price	Distribution (command) board, type 1, equipped with 1500x1000x500mm, IP54 (Smart electronic three-phased meter 5-100A, 380-1, Automatic breaker 3P, car. B, I <sub>n</sub> = 20 A-1, Automatic breaker 2P, car. B, I <sub>n</sub> = 10 A- 1, Metal oxide discharger, 3P + N, 220V, maximum discharge flow 60kA-1set, Contactor 380V-1pc, I = 63A, 4P, NO, Contactor 220V, I = 10A, 2P, NO-1pc , Programmer clock-2, Photo-relay 220VAC, 50Hz I = 10A-2pcs, Mini-switch for signaling the unsanctioned opening of the recording case door-1pc, 3G equipment (Ethernet interface) Router Board 12VDC-1pc, Data concentrator + power supply back-up: 4 batteries 4x12Vx7.2 Ah-1pc, programmable smart data concentrator with responsibility for controlling outdoor lighting in automatic mode, dimming the light flow, online viewing of power consumption, controlling the opening of cases, controlling network parameters, correcting the on/off timetable, manual control of the lighting network 220V, 50Hz, -25 .. + 60 * C, 2 digital inputs 30Vdc, 2 intr. imp. meter, 2 outputs .220Vac, 10 A, Ethernet port 10 -1pcs, rotary switch with 3 positions - 2pcs, Copper conductor for mounting with PVC insulation 2.5mm 2-30m.	pcs	1.000
126	Supplier price	Separator-support SF, 1P, I <sub>n</sub> =32A	pcs	6.000
127.	Supplier price	Pass-through fusible plug 220V 4A,IP54	pcs	6.000
128	Supplier price	Connection box, up to 3 cables, insulation class II, IP54, 80A, 500V, with one safety fuse 2 A, 267x90x75 mm	pcs	7.000
129	Supplier price	Board ИМН-1-0 Y2 IP 54	pcs	6.000
130	Supplier price	Board ИПН-63-0 74Y2 IP 54	pcs	2.000
131	Supplier price	Automatic breaker 1P, car.B, I <sub>n</sub> =16A	pcs	2.000

1	2	3	4	5
		Total	US\$	
		Storage costs, %	US\$	
		<b><u>Total Equipment,</u></b>	<b><u>US\$</u></b>	
		<b>Incl. salary</b>	<b>US\$</b>	
		<b><u>Total estimates:</u></b>	<b><u>US\$</u></b>	
		<b>Incl. salary</b>	<b>US\$</b>	

**Bidder** \_\_\_\_\_

## TECHNICAL SPECIFICATIONS FOR PRICE QUOTATION

- 1 Name of the beneficiary: Cahul Mayoralty
2. Organizer of the procurement procedure: UNDP Moldova
3. Procurement object **Renovating the public street lighting system and building an integral smart network in Cahul municipality, PT107**

### Bid Offer US\$

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		<b>1. Construction works</b>		
1	33-04-042-1	Dismantling the existing metallic pillar	pcs	4.000
2	33-04-014-2k=0.5	Dismantling the existing street light fittings (RKU)	pcs	18.000
3	33-04-014-2	Assembling the light fitting	pcs	47.000
4	33-04-017-1	Installing a self-supporting insulated conductor (** AL), laid together with the existing LEA 0.4kV, on reinforced concrete pillars up to 29 pillars / km	1000 m	0.300
5	33-04-030-1	Assembling LST of metallic oxides on cable **AL	pcs	4.000
6	33-03-004-1	Grounding the LST of metallic oxides	set	2.000
7	33-04-016-2	Transporting the structures and materials - concrete pillars and metallic pillars	pcs	17.000
8	33-04-003-16	Assembling and installing the concrete pillars	pcs	3.000
9	Supplier price	Reinforced concrete pillars, centrifuged, L=16.4 m CK-16.1-1.3	pcs	3.000
10	33-03-004-1	Mechanized beating of vertical grounding outlets LEA and IDD 35-750 kV, at depth up to 5 m, D-16 mm	pcs	6.000
11	33-01-016-1	Installing the metallic pillars	t	1.036
12	Supplier price	Cast iron metallic pillar, with double console, 3.44m high, equipped with Led bulb, 2x50W-SI-2	pcs	13.000

1	2	3	4	5
13	Supplier price	Galvanized metallic pillar 6m high CC 6m 62/146/4	pcs	1.000
14	33-04-007-1	Assembling reinforced concrete plates II-1	pcs	3.000
15	33-03-004-1	Mechanized beating of vertical grounding outlets with diam. of 20 mm, at depth up to 3 m	pcs	14.000
16	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01, poured with classical means, simple concrete class C15	m <sup>3</sup>	2.600
17	TsA16D1	Manual digging of the soil, in limited spaces, for installing the pillars	m <sup>3</sup>	30.000
18	TsG03A	Clearing works	100 m <sup>2</sup>	0.500
19	34-02-003-1	Executing the pipe line from polyethylene pipes PE diam50 (PEND)	1 km	0.380
20	TsA16C1	Manual digging of the soil, in trenches, for low voltage electrical cables, width <1m, depth <0.8 m, hard ground	m <sup>3</sup>	67.000
21	08-02-142-1	Executing the bedding for one single cable in the ditch	100 m	3.700
22	Supplier price	Sand	m <sup>3</sup>	23.000
23	Supplier price	Crushed stone M400 fr.20-30	m <sup>3</sup>	0.400
24	RpEJ04B	Cable laying works: soil filling, executed in horizontal layers 20-30 cm thick, well watered and beaten with the manual knocker	m <sup>3</sup>	44.000
25	08-02-143-1	Covering the cable, placed in the ditch: with bricks, one single cable	100 m	3.600
26	404-23	Bricks	pcs	1 500.000
27	DG01A	Pulling apart pavement or foundations from rough stone, boulders or chipping of rough stone or of boulders posed on sand	m <sup>2</sup>	310.000

1	2	3	4	5
28	DE18A	Pavement made of precast concrete paving slabs 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, from dismantling works	m <sup>2</sup>	270.000
29	DE18A	Pavement made of precast concrete paving slabs 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, 10% of new surface	m <sup>2</sup>	40.000
30	DC04B	Cutting with the machines having diamond disks of the contraction and expansion joints in old concrete roads	m	75.000
31	DI109	Mechanized scrapping of the asphalt concrete coating, including crushed stone	m <sup>3</sup>	4.200
32	TsC02D2	Mechanic digging with pneumatic excavator of 0.21-0.39 m <sup>3</sup> , with hydraulic command, in grounds saturated with water, and auto unloading of field of cat. II.	100 m <sup>3</sup>	0.600
33	TsI50A10	Transportation of the ground with the dumper of 5 t at a distance of 10 km Asphalt waste	t	1.340
34	TsC54B	Foundation layer from crushed stone	m <sup>3</sup>	1.500
35	DB16D	Asphalt concrete covering with small aggregates, executed in hot conditions, in thickness of 4.0 cm with manual laying	m <sup>2</sup>	15.000
		<u>Total</u>	<u>US\$</u>	
		Incl. salary	US\$	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b>	<b><u>US\$</u></b>	
		<b>Incl. salary</b>	<b>US\$</b>	
		<b>2. Mounting works</b>		
36	08-02-363-1	Assembling the consoles	pcs	7.000

1	2	3	4	5
37	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm <sup>2</sup> in the console tube	100 m	1.100
38	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm <sup>2</sup> in corrugated tube with diam. 20 mm	100 m	0.140
39	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm <sup>2</sup> in the tube of the metallic pillar	100 m	1.000
40	08-03-573-4	Assembling the metallic boards	pcs	5.000
41	08-03-600-2	Meters mounted on prepared support, with three phases 5-100A,380V	pcs	1.000
42	08-03-575-1	Device or appliance dismantled before transportation, contactor	pcs	1.000
43	08-03-575-1	Device or appliance dismantled before transportation, automatic breaker	pcs	4.000
44	08-03-575-1	Device or appliance dismantled before transportation, load separator	pcs	2.000
45	08-03-575-1	Device or appliance dismantled before transportation, separator - support SF	pcs	3.000
46	08-01-087-3	Metallic constructions	t	0.050
47	08-01-061-1	Assembling the pass-through fusible plug	pcs	17.000
48	08-02-410-1	Corrugated polyethylene pipe, diameter up to 20 mm	100 m	0.140
49	08-02-411-2	Laying corrugated metallic tube d 50mm on constructions	100 m	0.470
50	08-02-148-1	Laying cable *AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.170
51	08-02-148-1	Laying cable **AL 25mm <sup>2</sup> in corrugated metallic tube d 50mm	100 m	0.030
52	08-02-148-1	Cable up to 35 kV in pipes, **Cu 2x16mm <sup>2</sup> in PE tube	100 m	3.700
53	08-02-141-1	Cable up to 35 kV in ditches **Cu 2x16 mm <sup>2</sup> in ditches	100 m	3.700

1	2	3	4	5
54	08-02-148-1	Cable up to 35 kV in pipes, laid,**Cu 2x16mm <sup>2</sup> in corrugated tube, diam. 50, in foundation	100 m	0.270
55	08-02-411-2	Laying corrugated tube d 50mm on constructions	100 m	0.100
56	08-02-148-1	Cable up to 35 kV in pipes, laid,**Cu 2x16mm <sup>2</sup> in corrugated tube, diam. 50, on constructions	100 m	0.100
57	08-03-641-7	Assembling the connection box inside the metallic pillar	pcs	14.000
58	08-01-085-1apl	Case with complete distribution installations	pcs	1.000
59	08-02-407-3	Metallic pipe 50x50mm	100 m	0.050
60	08-02-407-4	Metallic pipe 80x80mm	100 m	0.090
61		<b>Materials</b>		
62	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.0 0*	pcs	4.000
63	Supplier price	Double console for light fitting diam.40-60mm K2K-0.1- 1.5 0*	pcs	3.000
64	Supplier price	Power cable with Cu conductive wires, with insulation and rubber sheath, which does not spread the flame, with section 3x2.5mm <sup>2</sup> * Cu	m	240.000
65	Supplier price	Power cable with Al wires, with insulation and PVC sheath, which does not spread the flame, with section 4x25 mm <sup>2</sup> * Al	m	17.000
66	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 2x25mm <sup>2</sup> ** Al	m	275.000
67	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 4x25mm <sup>2</sup> ** Al	m	25.000
68	Supplier price	Multi-wired power cable made of Cu, with	m	470.000

1	2	3	4	5
		polyvinyl chloride insulation, with section 2x16mm2 ** Cu		
69	Supplier price	Corrugated plastic tube d 20	m	14.000
70	Supplier price	Insulated corrugated metallic tube diam. 50	m	27.000
71	Supplier price	Fixing device to support the console K1	pcs	8.000
72	Supplier price	Copper conductor for installation with 2.5mm2 PVC insulation	m	10.000
73	Supplier price	Metallic tape 20x0.7mm	m	110.000
74	Supplier price	Clamp for metallic tape	pcs	110.000
75	Supplier price	Intermediate suspension set **AL	pcs	6.000
76	Supplier price	Anchoring console for cable **AL	pcs	22.000
77	Supplier price	Extension clamp for cable **AL	pcs	24.000
78	Supplier price	Drilling clamp for cable **AL, for branching	pcs	6.000
79	Supplier price	Drilling clamp for subscriber 95-13mm2	pcs	42.000
80	Supplier price	Clamp for 3П6(10-120/25-95)	pcs	20.000
81	Supplier price	Extinguishing clip, for grounding 25-50mm2	pcs	26.000
82.	Supplier price	Strap for cable at d=45mm,**AL25-95	pcs	40.000
83	Supplier price	Elastic cap 16-150mm2	pcs	10.000
84	Supplier price	Fixing patch **Al on the pillar	pcs	4.000
85	Supplier price	Grounding conductor 3П6	m	20.000
86	Supplier price	Round steel d=20mm L3m	pcs	14.000
87	Supplier price	Steel strip 40x4mm	m	14.000
88	Supplier price	Round steel diam. 16mm L=5m	kg	55.300
89	Supplier price	Round steel diam. 10 mm	kg	24.680
90	Supplier price	Cable terminal diam.25	pcs	10.000

1	2	3	4	5
91	Supplier price	PE rail	pcs	5.000
92	Supplier price	Rail Dn, L=0.5m	pcs	6.000
93	Supplier price	Steel strip 30x4mm	m	7.000
94	Supplier price	Anchor 2.1M24 x820 BCn3nc2 ГOCT 24379.1-80	pcs	4.000
95	Supplier price	Nut M24	pcs	4.000
96	Supplier price	Anchor diam. 8 A-1 ГOCT5781-82* ,L=500	pcs	52.000
97	Supplier price	Corrugated plastic tube d 50	m	27.000
98	Supplier price	Metallic cable - ditch 50x50 mm	m	3.000
99	Supplier price	Heat-shrink tube 120-34mm SRH2	m	7.000
100	Supplier price	Clamp M16	pcs	18.000
		<u>Total,</u> Incl. salary	<u>US\$</u> <u>US\$</u>	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b> <b>Incl. salary</b>	<b><u>US\$</u></b> <b><u>US\$</u></b>	
		<b>3. Equipment</b>		
101	Supplier price	Street light fitting of type LED 40W, equipped with dimmable driver and remote management system >= 140Lm/W	pcs	4.000
102	Supplier price	Street light fitting of type LED 50W, equipped with dimmable driver and remote management system >= 140Lm/W	pcs	10.000
103	Supplier price	Street light fitting of type LED 150W, equipped with dimmable driver and remote management system >= 140Lm/W	pcs	6.000
104	Supplier price	Street light fitting, crosswalk, of type LED 100W, equipped with dimmable driver and	pcs	1.000

1	2	3	4	5
		remote management system $\geq 140\text{Lm/W}$		
105	Supplier price	Record-keeping case, external, 600x400x275mm, IP54	pcs	1.000
106	Supplier price	Three-phase electronic meter 5-100A,380	pcs	1.000
107	Supplier price	Automatic breaker 3P, car.B, In=25A	pcs	1.000
108	Supplier price	Automatic breaker 3P car.C, In=25A	pcs	1.000
109	Supplier price	Automatic breaker 3P, car.C, In=32A	pcs	1.000
110	Supplier price	Load separator 3P, In=63A	pcs	2.000
111	Supplier price	Separator-support SF, 1P, In=32A	pcs	3.000
112	Supplier price	Pass-through fusible plug 220V 2A,IP54	pcs	14.000
113	Supplier price	Pass-through fusible plug 220V 4A,IP54	pcs	3.000
114	Supplier price	Overvoltage limiter made of metal oxides $U_{\text{max}} = 280\text{ V}$ , $I_{\text{decs}} = 10\text{ kA}$	pcs	4.000
115	Supplier price	Voltage relay 380 VAC,50Hz,In=40A,-40C +40C	pcs	1.000
116	Supplier price	Distribution (command) board, type 1, equipped with 1500x1000x500mm, IP54 (Smart electronic three-phased meter 5-100A, 380-1, Automatic breaker 3P, car. B, In = 20 A-1, Automatic breaker 2P, car. B, In = 10 A-1, Metal oxide discharger, 3P + N, 220V, maximum discharge flow 60kA-1set, Contactor 380V-1pc, I = 63A, 4P, NO, Contactor 220V, I = 10A, 2P, NO-1pc , Programmer clock-2, Photo-relay 220VAC, 50Hz I = 10A-2pcs, Mini-switch for signaling the unsanctioned opening of the recording case door-1pc, 3G equipment (Ethernet interface) Router Board 12VDC-1pc, Data concentrator + power supply back-up: 4 batteries 4x12Vx7.2 Ah-1pc, programmable smart data concentrator with responsibility for controlling outdoor lighting in automatic mode, dimming the light flow, online viewing of power consumption, controlling the opening of cases, controlling network parameters, correcting the on/off timetable,	pcs	1.000

1	2	3	4	5
		manual control of the lighting network 220V, 50Hz, -25 .. + 60 * C, 2 digital inputs 30Vdc, 2 intr. imp. meter, 2 outputs .220Vac, 10 A, Ethernet port 10 -1pcs, rotary switch with 3 positions - 2pcs, Copper conductor for mounting with PVC insulation 2.5mm 2-30m.		
117	Supplier price	Connection box, up to 3 cables, insulation class II, IP54, 80A, 500V, with one safety fuse 2 A, 267x90x75 mm	pcs	14.000
118	Supplier price	Board ИҚРН-63-0 74Y2 IP 54	pcs	1.000
119	Supplier price	Board ИҚМН-1-0 Y2 IP 54	pcs	3.000
120	Supplier price	Automatic breaker 1P, car.B, In=16A	pcs	1.000
		Total	US\$	
		Storage costs, %	US\$	
		<b>Total Equipment, Incl. salary</b>	<b>US\$ US\$</b>	
		<b>Total estimates: Incl. salary</b>	<b>US\$ US\$</b>	

**Bidder** \_\_\_\_\_

## TECHNICAL SPECIFICATIONS FOR PRICE QUOTATION

1. Name of the beneficiary: Cahul Mayoralty
2. Organizer of the procurement procedure: UNDP Moldova
3. Object of procurement: **Renovating the public street lighting system and building an integral smart network in Cahul municipality, PT434**

### Bid Offer US\$

No crt.	Symbol of the norm and resource code	Name of works	Unit of measure	Volume
1	2	3	4	5
		<b>1 Construction works</b>		
1	33-04-017-1k=0.5	Dismantling the existing air СИП cable	1000 m	0.600
2	33-04-017-1	Installing a self-supporting insulated conductor (** AL), laid together with the existing LEA 0.4kV, on reinforced concrete pillars up to 29 pillars / km	1000 m	2.320
3	33-04-014-2k=0.5	Dismantling the existing street light fittings (RKU)	pcs	50.000
4	33-04-014-2	Assembling the light fitting	pcs	92.000
5	33-04-030-1	Assembling LST of metallic oxides on cable **AL	pcs	3.000
6	33-03-004-1	Grounding the LST of metallic oxides	set	1.000
7	33-04-016-2	Transporting the structures and materials - concrete pillars and metallic pillars	pcs	30.000
8	33-04-003-16	Assembling and installing the concrete pillars	pcs	21.000
9	Supplier price	Concrete pillars SET 10.5-5	pcs	20.000
10	Supplier price	Concrete pillars SET 9.5-2	pcs	1.000
11	33-03-004-1	Mechanized beating of vertical grounding outlets LEA and IDD 35-750 kV, at depth up to 5 m, D-16 mm	pcs	27.000
12	33-01-016-1	Installing the metallic pillars H=6m	t	0.666
13	Supplier price	Galvanized metallic pillar 6m high CC 6m	pcs	9.000

1	2	3	4	5
		62/146/4		
14	33-03-004-1	Mechanized beating of vertical grounding outlets with diam. of 20 mm, at depth up to 3 m	pcs	9.000
15	CA03F	Simple concrete, poured with classical means, in foundations, basements, support walls, under zero - share walls, manufactured with concrete making unit or concrete art. CA01, poured with classical means, simple concrete class C15	m <sup>3</sup>	1.700
16	33-04-007-1	Assembling reinforced concrete plates II-3u	pcs	1.000
17	TsA16D1	Manual digging of the soil, in limited spaces, for installing the pillars	m <sup>3</sup>	25.000
18	TsG03A	Clearing works	100 m2	0.500
19	TsH92A	Loading the waste into the dumper (after dismantling works)	t	0.700
20	TsI50A5	Transporting dismantled materials at a distance of 5km	t	0.700
		Total Incl. salary	US\$ US\$	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b>Total</b> <b>Incl. salary</b>	<b>US\$</b> <b>US\$</b>	
		<b>2. Mounting works</b>		
21	08-02-363-1k=0.5	Dismantling existing consoles for light fitting	pcs	50.000
22	08-02-363-1	Assembling the consoles	pcs	83.000
23	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in the console tube	100 m	1.610
24	08-02-148-1	Laying the insulated cable *Cu 3x2.5mm2 in	100 m	0.830

1	2	3	4	5
		corrugated tube with diam. 20 mm		
25	08-03-573-4	Assembling the metallic boards	pcs	1.000
26	08-01-085-1apl	Case with complete distribution installations	pcs	1.000
27	08-03-600-2	Meters mounted on prepared support, with three phases 5-100A,380V	pcs	1.000
28	08-03-575-1	Device or appliance dismantled before transportation, contactor	pcs	1.000
29	08-03-575-1	Device or appliance dismantled before transportation, automatic breaker	pcs	3.000
30	08-03-575-1	Device or appliance dismantled before transportation, load separator	pcs	2.000
31	08-01-087-3	Metallic constructions	t	0.050
32	08-01-061-1	Assembling the pass-through fusible plug	pcs	92.000
33	08-03-532-1	Assembling the monitoring and control system	pcs	1.000
34	08-02-410-1	Corrugated polyethylene pipe, diameter up to 20 mm	100 m	0.880
35	08-02-411-2	Assembling the corrugated tube d 50mm on constructions	100 m	0.200
36	08-02-148-1	Laying cable *AL 25mm <sup>2</sup> in corrugated tube d 50mm	100 m	0.170
37	08-02-148-1	Laying cable **AL 25mm <sup>2</sup> in corrugated tube d 50mm	100 m	0.030
38	08-02-407-3	Metallic pipe 50x50mm	100 m	0.050
39	08-02-407-4	Metallic pipe 80x80mm	100 m	0.090
40		<b>Materials</b>		
41	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 0.5 0*	pcs	33.000
42	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.0 0*	pcs	27.000

1	2	3	4	5
43	Supplier price	Console for light fitting diam. 40-60mm K1-1.0- 1.5 0*	pcs	23.000
44	Supplier price	Power cable with Cu conductive wires, with insulation and rubber sheath, which does not spread the flame, with section 3x2.5mm2 * Cu	m	280.000
45	Supplier price	Power cable with Al wires, with insulation and PVC sheath, which does not spread the flame, with section 4x25 mm2 * Al	m	17.000
46	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 2x25mm2 ** Al	m	2 210.000
47	Supplier price	Self-supporting cable with aluminum conductive wire, with UV-resistant PVC insulation, without load-bearing wire with section 4x25mm2 ** Al	m	110.000
48	Supplier price	Corrugated plastic tube d 20	m	88.000
49	Supplier price	Insulated corrugated metallic tube diam. 50	m	20.000
50	Supplier price	Fixing device to support the console K1	pcs	166.000
51	Supplier price	Copper conductor for installation with 2.5mm2 PVC insulation	m	10.000
52	Supplier price	Metallic tape 20x0.7mm	m	470.000
53	Supplier price	Clamp for metallic tape	pcs	470.000
54	Supplier price	Intermediate suspension set **AL	pcs	64.000
55	Supplier price	Anchoring console for cable **AL	pcs	90.000
56	Supplier price	Extension clamp for cable **AL	pcs	104.000
57	Supplier price	Drilling clamp for cable **AL, for branching	pcs	42.000
58	Supplier price	Drilling clamp for subscriber 95-13mm2	pcs	276.000
59	Supplier price	Clamp for 3П6(10-120/25-95)	pcs	105.000

1	2	3	4	5
60	Supplier price	Extinguishing clip, for grounding 25-50mm2	pcs	126.000
61	Supplier price	Strap for cable at d=45mm,**AL25-95	pcs	230.000
62	Supplier price	Elastic cap 16-150mm2	pcs	40.000
63	Supplier price	Fixing patch **Al on the pillar	pcs	19.000
64	Supplier price	Grounding conductor 3П6	m	70.000
65	Supplier price	Round steel d=20mm L3m	pcs	9.000
66	Supplier price	Steel strip 40x4mm	m	9.000
67	Supplier price	Round steel diam. 16mm L=5m	kg	221.200
68	Supplier price	Round steel diam. 10 mm	kg	117.230
69	Supplier price	Cable terminal diam.25	pcs	10.000
70	Supplier price	PE rail	pcs	2.000
71	Supplier price	Rail Dn, L=0.5m	pcs	3.000
72	Supplier price	Fixing node Y4	pcs	1.000
73	Supplier price	Steel strip 30x4mm	m	7.000
74	Supplier price	Metallic cable - ditch 50x50 mm	m	5.000
75	Supplier price	Anchor 2.1 x820 BCn3nc2 ГОСТ 24379.1-80	pcs	36.000
76	Supplier price	Nut M24	pcs	36.000
		<u>Total</u> Incl. salary	US\$ US\$	
		Social and health insurance, 24%	US\$	
		Transportation costs, %	US\$	
		Total	US\$	
		Overhead costs, %	US\$	
		Total	US\$	
		Estimate benefit, %	US\$	
		<b><u>Total</u></b> <b>Incl. salary</b>	<b>US\$</b> <b>US\$</b>	
		<b>3. Equipment</b>		
77	Supplier price	Street light fitting of type LED 30W,	<u>Unit</u>	33.000

1	2	3	4	5
		equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$		
78	Supplier price	Street light fitting of type LED 40W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	<u>Unit</u>	27.000
79	Supplier price	Street light fitting of type LED 60W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	<u>Unit</u>	23.000
80	Supplier price	Street light fitting, crosswalk, of type LED 100W, equipped with dimmable driver and remote management system $\geq 140\text{Lm/W}$	<u>Unit</u>	9.000
81	Supplier price	Record-keeping case, external, 600x400x275mm, IP54	<u>Unit</u>	1.000
82.	Supplier price	Three-phase electronic meter 5-100A,380	<u>Unit</u>	1.000
83	Supplier price	Software for tele-management	<u>Unit</u>	1.000
84	Supplier price	Automatic breaker 3P, car.B, In=25A	<u>Unit</u>	1.000
85	Supplier price	Automatic breaker 3P car.C, In=25A	<u>Unit</u>	1.000
86	Supplier price	Automatic breaker 3P, car.C, In=32A	<u>Unit</u>	1.000
87	Supplier price	Load separator 3P, In=63A	<u>Unit</u>	2.000
88	Supplier price	Pass-through fusible plug 220V 2A,IP54	<u>Unit</u>	92.000
89	Supplier price	Overvoltage limiter made of metal oxides $U_{\text{max}} = 280\text{ V}$ , $I_{\text{decs}} = 10\text{ kA}$	<u>Unit</u>	3.000
90	Supplier price	Voltage relay 380 VAC,50Hz,In=40A,-40C +40C	unit	1.000
91	Supplier price	Distribution (command) board, type 1, equipped with 1500x1000x500mm, IP54 (Smart electronic three-phased meter 5-100A, 380-1, Automatic breaker 3P, car. B, In = 20 A-1, Automatic breaker 2P, car. B, In = 10 A-1, Metal oxide discharger, 3P + N, 220V, maximum discharge flow 60kA-1set, Contactor 380V-1pc, I = 63A, 4P, NO, Contactor 220V, I = 10A, 2P, NO-1pc , Programmer clock-2, Photo-relay 220VAC, 50Hz I = 10A-2pcs, Mini-switch for signaling	unit	1.000

1	2	3	4	5
		the unsanctioned opening of the recording case door-1pc, 3G equipment (Ethernet interface) Router Board 12VDC-1pc, Data concentrator + power supply back-up: 4 batteries 4x12Vx7.2 Ah-1pc, programmable smart data concentrator with responsibility for controlling outdoor lighting in automatic mode, dimming the light flow, online viewing of power consumption, controlling the opening of cases, controlling network parameters, correcting the on/off timetable, manual control of the lighting network 220V, 50Hz, -25 .. + 60 * C, 2 digital inputs 30Vdc, 2 intr. imp. meter, 2 outputs .220Vac, 10 A, Ethernet port 10 -1pcs, rotary switch with 3 positions - 2pcs, Copper conductor for mounting with PVC insulation 2.5mm 2-30m.		
92	Supplier price	Server -Rack Server, min. 2.4 Ghz 10-core, 32 GB RAM PC4, RAID, P408i-a 2Gb Cache 8SfF (No HDD), Ethernet 1GB 4-port 366FLR FlexibleLom Adapter, 2x800W PS Base Rack 2U, 2x800GB SAS SSD Drive, Windows Server Standard 2019 64 Bit 1pk DSP OEI DVD 16 Core, Monitor 27 inch, QHD, Wireless Keyboard, Wireless Mouse, Rack Mount 27U 600x1000, PDU, 2xShelf, APC Smart-UPS 15000VA LCD RM 2U 230V	unit	1.000
93	Supplier price	Laptop 14", Procesor Intel i5-8250U, 256GB SSD, 8GB Ram, Win10 Pro	unit	1.000
93A	Supplier price	Server cabinet 19 "18U Standard Floor Rack SteelNet SN-IRON 18U-06-06-ДC-ПГ-2БГ 600x600x935 / 970 Glass Door Black	unit	1
94	Supplier price	SPLIT INVERTER air conditioner with auto-restart, self-cleaning, start / stop functions with automatic programming, Turbo mode cooling / heating, 3D-360 degree air flow, capacity 12000 BTU, cooling surface 35m2	unit	1
		Total	US\$	
		Storage costs, %	US\$	
		<b>Total Equipment, Incl. salary</b>	<b>US\$ US\$</b>	
		<b>Software</b>	<b>US\$</b>	
		Database storage capacity: min 6 months;		

1	2	3	4	5
		Reading data via the Internet; Possibility of data archiving; Graphic mode: digital map with transformation points (PT) that displays information about their status; Possibility of the remote control for each PT; Min 3 access levels: admin, exchange supervisor, operator; Remote monitoring; Possibility to review the database both in a table and in a graphical form, with the possibility to filter the information. Minimum number of parameters - 50 pcs; Alarm signaling, informing the responsible persons via SMS, e-mail, as well as graphical display of the operator on the screen; Availability of emergency logs; Communication with the server via GSM or RS-485 or better.		
		Intelligent lighting system operation manual, Cahul mun	US\$	
		<b><u>Total estimates:</u></b> <b><u>Incl. salary</u></b>	<u>US\$</u> <u>US\$</u>	

**Bidder** \_\_\_\_\_