

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.

JANAPATH, BHOINAGAR, BHUBANESWAR - 22

[Electrical Division]

Ph: 0674-2541545, 2542921, Fax: 0674-2541543

E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.com /www.ophwc.nic.in

PRICE BID FOR THE WORK UNDER SL. NO :- 14 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO IUCAW BUILDING AND DPO EXTENSION BUILDING AT DISTRICT POLICE OFFICE CAMPUS, RAYAGADA IN THE DIST. OF RAYAGADA.

BID REF NO.- 30/PM/ELECT/OPHWC/2024-25

NAME & ADDRESS OF THE FIRM	
----------------------------	--

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
	PART-A				
PART-I	3 phase 3W 11 KV line with 80 sq. mm AAA conductor-0.02 Km				
1	11 KV Pin insulator Polymer Conversation 0.6 Km	No	3	272.00	816.00
2	Disc insulator 45 KN (B&S) Polymer	No.	3	1169.60	3508.80
3	11 KV HW fitting B&S)2 Bolted	No	3	353.60	1060.80
4	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Cut Point 2 Nos.	Kg	27.6	88.40	2439.84
5	GI Nuts and Bolts of assorted size	Kg	2	106.08	212.16
6	80 sq. mm AAAC	Km	0.0618	58480.00	3614.06
7	PG clamp for 80 sq. mm AAAC	No	6	720.80	4324.80
8	Sundries	LS	1	1000.00	1000.00
					16976.46
PART-II	Installation of 100 KVA 11/0.4KV sub station - 1 No.				
1	11 Mtr Long (160x152)mm WPB Pole including base plate	No	2	34321.52	68643.04
2	GI Pressure Channel 100x50x6 mm 2.8 Mtr. Long 2 Nos. (9.2 Kg/mtr.)	Kg	51.52	102.00	5255.04
3	AB switch &HG fuse GI mounting channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.2	102.00	7772.40
4	Cantilever GI Channel for supporting AB switch Arm 75x40x6mm. 1 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	102.00	1387.20
5	Cantilever angle for supporting AB switch arm ,75x40x6mm 1 mtr. Long 2 Nos. (6.8 kg./mtr.)	Kg.	9	102.00	918.00

6	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	K.g	9	102.00	918.00
7	AB witch side support channel 100x50x6 mm GI channel,9.2 Kg/Mtr. (0.35Mtr Long)2 Nos. channel required	Kg	6.44	102.00	656.88
8	Channel support for down pipe 75x40x6 mm GI channel(6.8kg/mtr,1 Nos.)each channel length 0.8 Mtr.	Kg	5.44	102.00	554.88
9	11KV AB switch(3 pole,400 Amp,50Hz)	Set	1	16116.00	16116.00
10	11KV HG fuse (3 pole,400 Amp)with PI	Set	1	15680.80	15680.80
11	9KV 10KA LA, Station class	No.	3	1360.00	4080.00
12	Disc insulator 45 KN (B&S) Polymer	No.	3	1169.60	3508.80
13	11 KV HW fitting (T&C)45 KN	No	3	176.80	530.40
14	HT stay set complete	No.	4	1428.00	5712.00
15	11KV stay insulator	No.	4	68.00	272.00
16	7/10 SWG stay wire, Grade-2	Kg	40	102.00	4080.00
17	HT stay clamp (1.9 Kg/Pair)	pair	4	170.00	680.00
18	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	7	1428.00	9996.00
19	25x6 mm GI flat(Neutral)	Kg	70	102.00	7140.00
20	LT Distribution Box with MCCB, Aluminium Bus Bar for 2 bay with Kitkat fuse for 100 KVA S/S .	No	1	33209.84	33209.84
21	100 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	159120.00	159120.00
22	GI Nuts and Bolts of assorted size	Kg	25	106.08	2652.00
23	80 sq. mm AAAC for jumpering	Km	0.05	58480.00	2924.00
24	PG clamp for 80 sq. mm AAAC	No	3	720.80	2162.40
25	1 core 150 sq. mm LT XLPE cable(armoured)	Mtr.	40	285.60	11424.00
26	RCC Base Plate	No	2	408.00	816.00
27	Earthing device coil type	No	2	225.76	451.52
28	6 SWG GI wire	Kg	0.524	102.00	53.45
29	Danger Board	No.	2	108.80	217.60
30	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.575	102.00	58.65
31	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
32	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.2036	102.00	122.77
33	Sundries	LS	1	2000.00	2000.00
					369766.47

PART-III LT Line-0.02 Km

1	9 Mtr Long 300 KG PSC Pole	No	1	4080.00	4080.00
2	4x50+1x50+1x16 sqmm XLPE AB Cable	Mtr.	21.00	198.02	4158.42
3	Pole clamp for Eye Hook	Pair	2	272.00	544.00
4	Dead end clamp suitable for XLPE cable	No	1	88.40	88.40

5	Eye Hook for Dead End Clamp	No	1	81.60	81.60
6	Suspension clamp with I Hook	No.	1	462.40	462.40
7	L.T Stay set (Complete)	Set	1	707.20	707.20
8	L.T Stay Insulator	No.	1	40.80	40.80
9	L.T Stay Clamp(1.4 K.g/Pair)	Pair	1	149.60	149.60
10	7/12 SWG Stay Wire	Kg	8	102.00	816.00
11	Base Plate for support	No	1	408.00	408.00
12	GI Nuts, Bolt and washer	Kg	0.5	106.08	53.04
13	Earthing device coil type	No	1	225.76	225.76
14	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.262	102.00	26.72
15	Danger Board	No.	1	108.80	108.80
16	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	0.29	102.00	29.58
17	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	3	108.80	326.40
18	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	1.2036	102.00	122.77
19	Sundries	LS	1	500.00	500.00
					12929.49
					A.Sub Total Rs. 3,99,672.42
B	Stock,storage and insurance (@3% on A)				11990.17
C	TOTAL RS.				411662.59
D	T&P @ 2% of C				8233.25
E	Contingency @ 3% of C				12349.88
F	Transportation @ 7.5% of C				30874.69
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				29856.71
H	TOTAL RS.				492977.13
20	Stay concreting in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	5	1235.58	6177.90
21	Concreting of 11 Mtr. Pole in ratio 1:1:5:3(500x500x1800mm)=0.45 cum	Nos.	2	2880.00	5760.00
22	Concreting of 9 Mtr. Pole in ratio 1:1:5:3=0.375cum	Nos.	1	2400.00	2400.00
23	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11200.00
24	Plinth of Transformer	No	1	32181.60	32181.60
25	Brick wall boundaring with Fencing fixing of iron grill gate etc.	Ls	1	87,601.00	87601.00
				Total Rs.	1,45,320.50
	Total Rs.				6,38,297.63
	PART-B				
PART-III	LT Line-0.1 Km				

1	9 Mtr Long 300 KG PSC Pole	No	3	4080.00	12240.00
2	9 Mtr Long 300 KG PSC Pole(Stud Pole)	No	2	4080.00	8160.00
3	Back clamp for stud pole	Pair	4	149.60	598.40
4	4x50+1x50+1x16 sqmm XLPE AB Cable	Mtr.	103.00	198.02	20396.06
5	Pole clamp for Eye Hook	Pair	3	272.00	816.00
6	Dead end clamp suitable for XLPE cable	No	2	88.40	176.80
7	Eye Hook for Dead End Clamp	No	2	81.60	163.20
8	Suspension clamp with I Hook	No.	1	462.40	462.40
9	GI Nuts, Bolt and washer	Kg	1.5	106.08	159.12
10	L.T Stay set (Complete)	Set	1	707.20	707.20
11	L.T Stay Insulator	No.	1	40.80	40.80
12	L.T Stay Clamp(1.4 K.g/Pair)	Pair	1	149.60	149.60
13	7/12 SWG Stay Wire	Kg	8	102.00	816.00
14	Base Plate for support	No	3	408.00	1224.00
15	Earthing device coil type	No	3	225.76	677.28
16	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.786	102.00	80.17
17	Danger Board	No.	3	108.80	326.40
18	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	0.9027	102.00	92.08
19	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	9	108.80	979.20
20	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	3.6108	102.00	368.30
21	Sundries	LS	1	500.00	500.00
A.Sub Total Rs.					49,133.01
B	Stock,storage and insurance (@3% on A)				1473.99
C	TOTAL RS.				50607.00
D	T&P @ 2% of C				1012.14
E	Contingency @ 3% of C				1518.21
F	Transportation @ 7.5% of C				3795.52
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				7161.90
H	TOTAL RS.				64094.77
22	Stay concreting in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	3	1235.58	3706.74
23	Concreting of 9 Mtr. Pole in ratio 1:1:5:3=0.0.375cum	Nos.	3	2400.00	7200.00
				Total Rs.	10,906.74
				Sub Total Rs.	75,001.51
				Total Rs.(PART-A+PART-B)	7,13,299.14
				Cess @ 1%	7,132.99
				Total Estimated Cost	7,20,432.13

	Total Estimated Cost in Figures				7,20,432.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	_____ %			
Quoted Amount in Figure					
Quoted Amount in word					

N:B- The Estimated cost is exclusive of GST .

Signature of Tenderer with seal

**Sd/-
Asst. Project Manager (Elect)**

**Sd/-
DM((Elect)I/C**

**Sd/-
Project Manager(Elect.)**