

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.

JANAPATH, BHOINAGAR, BHUBANESWAR - 22

[Electrical Division]

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PRICE BID FOR THE WORK UNDER SL. NO :- 11 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 6-F TYPE QTRS. AT K.NUAGAON POLICE STATION IN THE DIST. OF KANDHAMAL.

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

NAME & ADDRESS OF THE FIRM	
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SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
<b>PART-I</b>	<b>3 phase 3W 11 KV line with 55 sq. mm insulated covered conductor-0.2 Km</b>				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)	No	5	34321.52	171607.60
2	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 10 Nos,0.3 Mtr. Long 10 Nos. including tapping point.	Kg	138	102.00	14076.00
3	11 KV 'V' cross arm(10.2 Kg each)	No.	3	1101.60	3304.80
4	11 KV F clamp 2.9 Kg each	No	3	326.40	979.20
5	GI Back clamp for 11 KV V Cross Arm	No.	3	108.80	326.40
6	Disc insulator 45 KN (B&S) Polymer	No.	18	1169.60	21052.80
7	11 KV HW fitting B&S)2 Bolted	No	18	353.60	6364.80
8	PG clamp for 55 sq. mm insulated conductor	No	18	652.80	11750.40
9	11 Kv pin insulator Polymer	No	15	272.00	4080.00
10	55 sq. mm insulated covered	Km	0.618	128000.00	79104.00
11	Non Metallic Ties 11 KV (for covered conductor)	No	15	251.00	3765.00
12	HT stay set complete	No.	5	1428.00	7140.00
13	11KV stay insulator Polymer	No.	5	68.00	340.00
14	7/10 SWG stay wire	Kg	50	102.00	5100.00
15	HT stay clamp (1.9 Kg/Pair)	pair	5	170.00	850.00
16	Earthing support coil type	No	5	225.76	1128.80
17	Danger Board	No	5	108.80	544.00
18	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.5045	102.00	153.46
19	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	15	108.80	1632.00

20	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	6.018	102.00	613.84
21	GI Nuts and Bolts of assorted size	Kg	8	106.08	848.64
22	Sundries (Aluminium binding tape ,paint, insulating tape, binding tape etc.	LS	1	500.00	500.00
					<b>335261.74</b>
<b>PART-II</b>	<b>Installation of 63 KVA 11/0.4KV sub station - 1 No.</b>				
1	11 Mtr Long (160x152)mm WPB Pole including base plate	No	2	34321.52	68643.04
2	Earthing Device coil type GI	No	2	225.76	451.52
4	Top Pressure GI Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	102.00	5255.04
4	Transformer mounting GI Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	102.00	5255.04
5	AB switch &HG fuse GI mounting channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	102.00	7768.32
6	Cantilever GI Channel for supporting AB switch Arm 75x40x6mm. 1 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	102.00	1387.20
7	Cantilever angle for supporting AB switch arm ,75x40x6mm 1 mtr. Long 2 Nos. (6.8 kg./mtr.)	Kg.	9	102.00	918.00
13	Transformer GI Belting Angle 50x50x6 mm ,angle 2.8 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)with side angle total 7 Mtr.	Kg.	31.5	102.00	3213.00
8	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
9	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
10	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
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	353.60	1060.80
14	11KV AB switch( 3 pole,200 Amp,50Hz)	Set	1	9996.00	9996.00
15	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	8323.20	8323.20
16	9KV 10KA LA, Station class	No.	3	1332.80	3998.40
17	HT stay set complete	No.	4	1428.00	5712.00
18	11KV stay insulator	No.	4	68.00	272.00
19	7/10 SWG stay wire, Grade-2	Kg	40	102.00	4080.00
20	HT stay clamp (1.9 Kg/Pair)	pair	4	170.00	680.00
21	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	7	1428.00	9996.00

22	25x6 mm GI flat(Neutral)	Kg	10	102.00	1020.00
23	25x4 mm GI flat	Kg	60	102.00	6120.00
24	55 sq. mm AAAC for jumpering	Km	0.05	40800.00	2040.00
25	PG clamp for 55 sq. mm AAAC	No	3	652.80	1958.40
26	GI Nuts and Bolts of assorted size	Kg	25	106.08	2652.00
27	63 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	117640.00	117640.00
28	LT Distribution Box with MCCB, Aluminium Bus Bar for single bay with Kitkat fuse for 63 KVA S/S .	No	1	24917.92	24917.92
29	1 core 95 sq. mm LT XLPE cable(un armoured)	Mtr.	40	199.92	7996.80
30	Danger Board	No.	2	108.80	217.60
31	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	102.00	61.38
32	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
33	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	102.00	245.51
34	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
					<b>309170.54</b>

**PART-III Construction of LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable=0.315 Km**

1	9 Mtr Long 300 KG PSC Pole	No	9	4080.00	36720.00
2	8 Mtr Long 200 KG PSC Pole as stud pole	No	2	2720.00	5440.00
3	RCC Base Plate for support	No	9	408.00	3672.00
4	LT Back clamp	No	18	108.80	1958.40
5	LT Back clamp for stud pole	No	8	108.80	870.40
6	3x50+1x35+1x16 sqmm XLPE AB Cable	Mtr.	324.45	330.48	107224.24
7	L.T Stay set (Complete )	Set	3	707.20	2121.60
8	L.T Stay Insulator	No.	3	40.80	122.40
9	L.T Stay Clamp(1.4 K.g/Pair)	Pair	3	149.60	448.80
10	7/12 SWG Stay Wire	Kg	21	102.00	2142.00
11	Dead end clamp with Eye Hook	No	5	170.00	850.00
12	Suspension clamp with Eye Hook	No.	6	462.40	2774.40
13	Danger Board	No.	9	108.80	979.20
14	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	2.7081	102.00	276.23
15	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	27	108.80	2937.60
16	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	10.8324	102.00	1104.90
17	Earthing device coil type	No	9	225.76	2031.84
18	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	2.358	102.00	240.52
19	GI Nuts, Bolt and washer	Kg	5	106.08	530.40

20	Sundries	LS	1	500.00	500.00
					<b>172944.92</b>
	A.Sub Total Rs.				<b>8,17,377.20</b>
B	Stock,storage and insurance (@3% on A)				<b>24521.32</b>
C	TOTAL RS.				<b>841898.51</b>
D	T&P @ 2% of C				<b>16837.97</b>
E	Contingency @ 3% of C				<b>25256.96</b>
F	Transportation @ 7.5% of C				<b>63142.39</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>70100.97</b>
H	TOTAL RS.				<b>1017236.80</b>
21	Stay concreting in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	12	1235.58	14826.96
22	Concreting of 11 Mtr. Pole in ratio 1:1:5:3(500x500x1800mm)=0.45 cum	Nos.	7	2880.00	20160.00
23	Concreting of 9 Mtr. Pole in ratio 1:1:5:3=0.375cum	Nos.	9	2400.00	21600.00
24	Couping of Poles in ratio 1:1:5:3(500x500x475),0.11875 cum	Nos.	16	720.00	11520.00
25	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11200.00
26	Brick boundary wall fencing with Excavation ,pcc of M15, Plaster of 18 mm thick external surfaces, 12 mm thick plastering internal surfaces, exterior quality plastic emulsion paint, pcc of grade M10,Dry Rubble soiling with 225 or 300 mm thick ,MS gate, concentina coil with iron angle and barbed wire fixing.	No	1	87601.00	87601.00
				Total Rs.	<b>1,66,907.96</b>
	<b>Total Rs.</b>				<b>11,84,144.76</b>
	<b>Cess @ 1%</b>				<b>11,841.45</b>
	Total Estimated Cost				<b>11,95,986.20</b>
	Total Estimated Cost in Figures				<b>11,95,986.00</b>
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	_____ %			
	Quoted Amount in Figure				
	Quoted Amount in word				

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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.)**