

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 :- 22 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO MANOHARPUR POLICE STATION BUILDING IN THE DISTRICT OF KEONJHAR.

BID REF NO :- 04/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.
SCOPE [A]	Installation of 25 KVA 11/0.4KV S/S- 1 No				
SCOPE [B]	Construction of 3 ph 3 wire 11 KV line using 55 sq. mm Insulated conductor- 0.250 Km				
SCOPE [C]	Construction of 3 ph 5 wire LT line using 3X35+1X25+1X16 sq. mm XLPE Cable- 0.25 Km				
SCOPE [D]	Inter Posing Pole-1 No., 400 A Line AB Switch-1 No.				
	LINE PART				
1	11 mtr Long 150X150 GI Joist pole(34.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	8	28545.00	228360.00
2	9 mtr Long 150X150 GI Joist pole(34.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	1	23355.00	23355.00
3	11 K.V. V cross arm	No.	5	810.00	4050.00
4	11 KV F clamp	No.	5	240.00	1200.00
5	Back clamp for V cross arm	No.	5	80.00	400.00
6	11 KV Pin Insulator polymer	No.	18	200.00	3600.00
7	11 KV T&C Hardware (45KN)	set	9	130.00	1170.00
8	Disc insulator(T&C)45 KN Polymer	No	9	860.00	7740.00
9	HT stay set complete	Set	4	1050.00	4200.00
10	HT Stay Insulator	No.	4	50.00	200.00
11	HT stay Clamp	Pair	4	125.00	500.00
12	7/10 SWG Stay wire	Kg	40	75.00	3000.00
13	3Pole 11KV 400A AB switch	set	1	11850.00	11850.00

14	GI Pipe earthing 40 mm dia medium gauge 3 Mtrs. Long	No	2	1050.00	2100.00
15	100x50x6 mm MS Channel	Kg	80	65.00	5200.00
16	75x40x6 mm MS Channel	Kg	40	65.00	2600.00
17	50x50x6 mm MS Angle	Kg	20	65.00	1300.00
18	GI nut,bolt & washer	Kg	15	78.00	1170.00
19	11 KV 55 sq. mm XLPE Insulated AAA Conductor (Un-Armoured)	Km	0.75	75920.00	56940.00
20	Anticlimbing device made of GI Barbed wire , clamping arrangement	Kg	16	80.00	1280.00
21	Sundries for survey, PVC tape, ampire tape, Danger Board, small size nut & bolt,preparation of drawing cable socket etc..	LS	0.3	2000	600.00
22	TOTAL MATERIAL COST				360815.00
23	Escalation @6%for 2019-20				382463.90
24	Escalation @6%for 2020-21				405411.73
25	Escalation @6%for 2021-22				429736.44
26	Escalation @6%for 2022-23				455520.62
A	Escalation @6%for 2023-24				482851.86
B	Stock, Storage & Insurance @ 3% of A				14485.56
C	Sub Total (C=A+B)				497337.42
D	Contingency @3% of C				14920.12
E	T & P 2% of C				9946.75
F	Transportation @ 7.5% of C				37300.31
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				17347.85
I	Erection Charges of other @ 10%				15038.04
J	Sub Total				591890.48
27	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	4	965.30	3861.20
28	Material cost for Concreting of Joist Pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.29 cum(PCC 1:3:6)	No	8	2215.20	17721.60
					613473.28
	Installation of 25 KVA 11/0.4KV (Star Rated) DP mounted sub station - 1 No				
1	11 mtr Long 150X150 GI Joist pole(34.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	2	28545.00	57090.00
2	11 KV Pin Insulator polymer	No.	3	200.00	600.00
3	11 KV T&C Hardware (45KN)	set	3	130.00	390.00

4	Disc insulator(T&C)45 KN Polymer	No	3	860.00	2580.00
5	HT stay set complete	Set	2	1050.00	2100.00
6	HT Stay Insulator	No.	2	50.00	100.00
7	HT stay Clamp	Pair	2	125.00	250.00
8	7/10 SWG Stay wire	Kg	20	75.00	1500.00
9	GI Pipe earthing 40 mm dia medium gauge 3 Mtrs. Long	No	5	1050.00	5250.00
10	Earthing Materials	Set	5	1749.00	8745.00
11	100x50x6 mm MS Channel	Kg	110	65.00	7150.00
12	75x40x6 mm MS Channel	Kg	80	65.00	5200.00
13	50x50x6 mm MS Angle	Kg	30	65.00	1950.00
14	MS nut,bolt & washer	Kg	10	71.00	710.00
15	3Pole 11KV 200A AB switch	set	1	7350.00	7350.00
16	3Pole 11KV 200A HG fuse	set	1	6120.00	6120.00
17	25x5 mm GI flat	Kg	40	75.00	3000.00
18	Lightning arrester ,12 KV- 5 KA Station class	No.	3	2250.00	6750.00
19	55 sq. mm AAAC	Km	0.04	30000.00	1200.00
20	25 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	53800.00	53800.00
21	LT distribution Box including kit-kat fuse with MCCB for25 KVA Transformer	No.	1	14930.00	14930.00
22	Red Oxide paint	Ltr	4	150.00	600.00
23	All. Paint	Ltr	3	200.00	600.00
24	Black Paint	Ltr	1	220.00	220.00
25	3.5 core 50 sq. mm PVC cable(Un-Armoured)	Mtr	10	203.00	2030.00
26	Sundries for survey, pvc tape, ampere Tape, Danger Board,small size Nut & Bolt with washer ,Allm. Binding tape,Danger Board etc.	No.	0.1	2000.00	200.00
27	TOTAL MATERIAL COST				190415.00
28	Escalation @6%for 2019-20				201839.90
29	Escalation @6%for 2020-21				213950.29
30	Escalation @6%for 2021-22				226787.31
31	Escalation @6%for 2022-23				240394.55
A	Escalation @6%for 2023-24				254818.22
B	Stock, Storage & Insurance @ 3% of A				7644.55
C	Sub Total (C=A+B)				262462.77
D	Contingency @3% of C				7873.88
E	T & P 2% of C				5249.26
F	Transportation @ 7.5% of C				19684.71
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				7642.39

I	Erection Charges of other @ 10%				10961.51
J	Sub Total				313874.52
32	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	2	965.30	1930.60
33	Material cost for Concreting of Joist Pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.29 cum(PCC 1:3:6)	No	2	2215.20	4430.40
34	Barbed Fencing with Grill gate ,metal & Sand	Ls	1	35000.00	35000.00
	Total Rs.(Part-B)				355235.52
	Construction of 3 ph 5 wire LT line using 3X35+1X25+1X16 sq. mm XLPE Cable-0.25 Km				
1	3X35+1X25+1X16 sq. mm LT AB Cable	Km	0.25	120000.00	30000.00
2	9 mtr Long 150X150 GI Joist pole(34.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	6	23355.00	140130.00
3	GI nut,bolt & washer	Kg	6	78.00	468.00
4	Base Plate for PSC Pole	No.	6	230.00	1380.00
5	Danger Board	No	6	80.00	480.00
6	Anticlimbing device made of GI Barbed wire , clamping arrangement(2 Kg per Support)	Kg	6	80.00	480.00
7	LT stay set complete	No.	3	520.00	1560.00
8	7/12 SWG Stay wire	Kg	30	75.00	2250.00
9	LT stay clamp	No	3	110.00	330.00
10	LT Stay Insulator	No.	3	30.00	90.00
11	Earthing support Coil type	No	6	1890.00	11340.00
12	Dead end clamp	No.	2	65.00	130.00
13	Suspension clamp with eye Hook	No.	1	340.00	340.00
14	Pole clamp for Eye Hook	Pair	5	200.00	1000.00
15	Neutral connector	No	4	80.00	320.00
16	Piercing Connector	No	1	40.00	40.00
17	Total Rs.(Part-C)				190338.00
18	Escalation @6%for 2019-20				201758.28
19	Escalation @6%for 2020-21				213863.78
20	Escalation @6%for 2021-22				226695.60
21	Escalation @6%for 2022-23				240297.34
A	Escalation @6%for 2023-24				254715.18
B	Stock, Storage & Insurance @ 3% of A				7641.46
C	Sub Total (C=A+B)				262356.64
D	Contingency @3% of C				7870.70
E	T & P 2% of C				5247.13
F	Transportation @ 7.5% of C				19676.75
G	Erection Charges for PSC Pole @ 20%				

H	Erection Charges of DTR and Joist Poles @ 5%				9657.57
I	Erection Charges of other @ 10%				6920.53
J	Sub Total				311729.31
22	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	3	965.30	2895.90
23	Material cost for Concreting of Joist Pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.29 cum(PCC 1:3:6)	No	6	2215.20	13291.20
	Total Rs.				327916.41
	Sub Total Rs.				12,96,625.22
	Cess @ 1%				12,966.25
	Total Estimated Cost				13,09,591.47
	Total Estimated Cost in Figures				13,09,591.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	_____ %			
d Amount in Figure					
ed Amount in word					

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

Signature of Tenderer with seal

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

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

**Sd/-
D.M (Elect) I/C**