

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 :- 05 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 12-F+24-F TYPE QUARTERS AT RESERVE OFFICE, KEONJHAR IN THE DISTRICT OF KEONJHAR.

BID REF NO :- 105/PM/ELECT/OPHWC/2023-24

**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]	Upgradation of S/S capacity from 25 KVA 11/0.4 KV to 250 KVA 11/0.4 KV (Star Rated) Plinth mounted sub station - 1 No				
SCOPE [B]	Construction of 3 ph 5 wire LT line using 3X95+1X70+1x16 sq. mm XLPE Cable- 0.350 Km				
1	11 mtr Long 150X150 GI Joist pole(34.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	2	28545.00	57090.00
2	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.(9.2kg/mtr.)x2 Nos.	Kg.	67	75	5025.00
3	A/B switch and H.G Fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.)	Kg.	98	75.00	7350.00
4	Angle for mounting LT Distribution Box (50x50x6)mm 2.5 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg	23	75	1725.00
5	3Pole 11KV 400A AB switch	set	1	11850.00	11850.00
6	3Pole 11KV 400A HG fuse	set	1	11530.00	11530.00
7	Lightning arrester ,12 KV- 10KA	No.	3	3550.00	10650.00
8	HT stay set complete	Pair	3	1050.00	3150.00
9	HT Stay Insulator	No.	3	50.00	150.00
10	HT stay clamp	Pair	3	125.00	375.00
11	7/10 SWG Stay wire	Kg	30	75.00	2250.00
12	GI Pipe earthing 40 mm dia medium gauge 3 Mtrs. Long	No	5	1050.00	5250.00
13	No.6/8 GI wire(Dia 4.6 mm)	Kg	10	75.00	750.00
14	50x6 mm GI flat for earthing	Kg	50	75.00	3750.00

15	55 sq. mm 11 KV Insulated AAA conductor	Km	0.04	75816.00	3032.64
16	Red Paint	Ltr	3	150.00	450.00
17	All. Paint	Ltr	4	200	800.00
18	Black Paint	Ltr	1	220	220.00
19	GI nut,bolt & washer	Kg	36	78.00	2808.00
20	250 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	268450.00	268450.00
21	LT distribution Box with MCCB,Aluminium Bus bar of 3-bay with kit-kat fuse for 250 KVA Transformer	No.	1	48000.00	48000.00
22	3.5 Core 185 sq. mm PVC Cable	Mtr.	15	635.00	9525.00
23	All. Cable socket	No	18	52.00	936.00
24	Earthing material	No	5	1890.00	9450.00
25	Sundries for survey, PVC tape, ampire tape, Danger Board, small size nut & bolt,preparation of drawing cable socket etc..	LS	1	3000	3000.00
26	TOTAL MATERIAL COST				467566.64
27	Escalation @6%for 2019-20				495620.64
28	Escalation @6%for 2020-21				525357.88
29	Escalation @6%for 2021-22				556879.35
30	Escalation @6%for 2022-23				590292.11
A	Escalation @6%for 2023-24				625709.64
B	Stock, Storage & Insurance @ 3% of A				18771.29
C	Sub Total (C=A+B)				644480.93
D	Contingency @3% of C				19334.43
E	T & P 2% of C				12889.62
F	Transportation @ 7.5% of C				48336.07
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				22435.77
I	Erection Charges of other @ 10%				19576.56
J	Sub Total				767053.37
31	Dismantling charges(Detail as per estimate)Labour+Transportation				10266.67
					777320.04
32	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	3	1138.70	3416.10
33	Material cost for Concreting of Joist Pole1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.29 cum(PCC 1:3:6)	No	2	2613.70	5227.40
34	Boundary wall with grill gate ,metal & sand spreading	Ls	1	35000.00	35000.00
35	Plinth for S/S	No	1	35000.00	35000.00

					855963.54
SCOPE [B]	Construction of 3 ph 5 w LT Line-0.350 Km				
1	116x100 mm 9 Mtr. Long GI joist Pole(23 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	9	15525.00	139725.00
2	LT XLPE AB cable(3x50+1x35+1X16) sq. mm	Mtr.	385.00	243.00	93555.00
3	LT Stay set complete	Set	3	520.00	1560.00
4	7/12 SWG GI stay wire	Kg	30	75.00	2250.00
5	LT stay insulator	No.	3	110.00	330.00
6	LT stay clamp	No.	3	30.00	90.00
7	Service cable junction box polycarbonate (As per RC Rate)	No	12	984.24	11810.88
8	Pole clamp with I hook(ABC)	Pair	9	200.00	1800.00
9	Earthing coil each 5th Pole to Earth	No	9	166.00	1494.00
10	Dead end clamp	No.	5	65.00	325.00
11	Suspension clamp with I hook	No.	6	340.00	2040.00
12	Piercing connector	No	36	80.00	2880.00
13	Neutral Connector	No	36	40.00	1440.00
14	GI nut,bolt of assorted size	Kg	5	78.00	390.00
15	Red Paint	Ltr	3	150.00	450.00
16	All. Paint	Ltr	4	200	800.00
17	Black Paint	Ltr	2.5	220	550.00
18	Sundries for survey, tree cutting , small size nut & bolt,insulated tape,Al. binding tape Danger board etc.	Ls	0.35	2000	700.00
19	Total Rs.				262189.88
20	Escalation @6%for 2019-20				277921.27
21	Escalation @6%for 2020-21				294596.55
22	Escalation @6%for 2021-22				312272.34
23	Escalation @6%for 2022-23				331008.68
A	Escalation @6%for 2023-24				350869.20
B	Stock, Storage & Insurance @ 3% of A				10526.08
C	Sub Total (C=A+B)				361395.28
D	Contingency @3% of C				10841.86
E	T & P 2% of C				7227.91
F	Transportation @ 7.5% of C				27104.65
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				9629.65
I	Erection Charges of other @ 10%				16880.22
J	Sub Total				433079.56

24	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	3	1138.70	3416.10
25	Material cost for Concreting of Joist Pole1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.29 cum(PCC 1:3:6)	No	9	2209.00	19881.00
	Total Rs.				456376.66
	Sub Total Rs.				13,12,340.20
	Cess @ 1%				13,123.40
	Total Estimated Cost				13,25,463.60
	Total Estimated Cost in Figures				13,25,464.00
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