

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 :- 01 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 6-F TYPE STAFF QTRS. AT BARBIL FIRE STATION IN THE DIST. OF KEONJHAR.

BID REF NO :- 58/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 63 KVA 11/0.4 KV with new DP in 11 Mtr. Long 150x150 mm RS Joist Pole				
SCOPE [B]	Replacement of existing 9 Mtr. PSC pole with 11 Mtr. Long 150x150 mm RS Joist Pole in existing 11 KV Line to increase the ground clearance-04 Nos.				
SCOPE [C]	Construction of 3 ph 5 wire LT line with 9 Mtr. Long 150x150 mm RS Joist Pole using 3X50+1X35+1X16 sq. mm XLPE Cable-0.4 Km				
SCOPE [D]	Interposing pole 13 Mtr. RS Joist in existing 33 KV Feeder for heightening at Road crossing point-02 Nos.				
SCOPE [E]	Proposed guarding in 33 KV Line at road crossing point-1 span				
SCOPE [F]	Dismantling of 33 KV line with 80 sq. mm AAAC & 3 nos. 10 Mtr. RS Joist Pole-0.2 Km				
SCOPE [G]	Dismantling of 9 mtr. PSC Pole with fittings-4 Nos.				
SCOPE [H]	Dismantling of 25 KVA ,11/0.4 Kv S/S with all fittings-1 No.				
1	13 mtr Long 150X150 mm RS Joist pole(34.6 Kg/mtr.)MAKE-SAIL/JINDAL/TATA	No.	2	29237.00	58474.00
2	11 mtr Long 150X150 mm RS Joist pole(34.6 Kg/mtr.)MAKE-SAIL/JINDAL/TATA	No.	4	24739.00	98956.00

3	33 K.V. V cross arm	No.	2	1800.00	3600.00
4	33 KV F clamp	No.	2	300.00	600.00
5	Back clamp for V cross arm	No.	2	150.00	300.00
6	33 KV Pin Insulator polymer	No.	6	480.00	2880.00
7	11 K.V. V cross arm	No.	4	810.00	3240.00
8	11 KV F clamp	No.	4	240.00	960.00
9	Back clamp for V cross arm	No.	4	80.00	320.00
10	11 KV Pin Insulator polymer	No.	12	200.00	2400.00
11	11 KV T&C Hardware (45KN)	set	6	130.00	780.00
12	Disc insulator(T&C)45 KN Polymer	No	6	860.00	5160.00
13	HT stay set complete	Set	3	1050.00	3150.00
14	HT Stay Insulator	No.	3	50.00	150.00
15	HT stay Clamp	Pair	3	125.00	375.00
16	7/10 SWG Stay wire	Kg	30	75.00	2250.00
17	Earthing support coil type	No.	6	166.00	996.00
18	100 sq. mm AAAC	Km	0.1	90000.00	9000.00
19	Anticlimbing device made of GI Barbed wire , clamping arrangement(2 Kg per support)	Kg	12	80.00	960.00
20	No.8 GI wire (lacing-25 No.x2.8 mtr.x.104 Kg)for one guarding@1 no. span	Kg	8	75.00	600.00
21	No.6 GI wire (Tension wire-5 No.-40 mtr.each)(1 mtr.-0.146 Kg))for one guarding@1 no. span	Kg	30	75.00	2250.00
22	100x50x6 mm MS Channel	Kg	30	75.00	2250.00
23	75x40x6 mm MS Channel	Kg	76	75.00	5700.00
24	50x50x6 mm MS Angle	Kg	20	75.00	1500.00
25	PG clamp for 100 sq. mm AAAC	No	12	580.00	6960.00
26	GI nut,bolt & washer	Kg	20	78.00	1560.00
27	Red Oxide paint	Ltr	3	150.00	450.00
28	All. Paint	Ltr	4	200.00	800.00
29	Black Paint	Ltr	2	220.00	440.00
30	Sundries for survey, tree cutting , small size nut & bolt with washer, Allm. Binding tape, Danger Board etc.	Ls	1	3000.00	3000.00
31	TOTAL MATERIAL COST				220061.00
32	Escalation @6%for 2019-20				233264.66
33	Escalation @6%for 2020-21				247260.54
34	Escalation @6%for 2021-22				262096.17
35	Escalation @6%for 2022-23				277821.94
A	Escalation @6%for 2023-24				294491.26
B	Stock, Storage & Insurance @ 3% of A				8834.74
C	Sub Total (C=A+B)				303326.00
D	Contingency @3% of C				9099.78
E	T & P 2% of C				6066.52

F	Transportation @ 7.5% of C				22749.45
G	Erection Charges for PSC Pole @ 20%				0.00
H	Erection Charges of DTR and Joist Poles @ 5%				10849.86
I	Erection Charges of other @ 10%				8632.88
J	Sub Total				360724.49
36	Transportation +Labour cost of dismantled material				18876.93
37	Salvage value of material				14712.56
K	Total Rs.				364888.86
38	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:3:6)	No.	3	1138.70	3416.10
39	Material cost for Concreting of 10/11 Mtr. RS Joist Pole1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.29 cum(PCC 1:3:6)	No.	4	2613.70	10454.80
40	Material cost for Concreting of 13 Mtr. RS Joist Pole 2.46 Mtrx0.4 Mtr.x0.4 Mtr=0.39 cum(PCC 1:3:6)	No.	2	3018.44	6036.88
	Total Rs.				384796.64
	Construction of 3 ph 5 wire LT line with 11 Mtr. Long 150x150 mm RS Joist Pole using 3X50+1X35+1X16 sq. mm XLPE Cable-0.4 Km				
1	13 mtr Long 150X150 mm RS Joist pole(30.6 Kg/mtr.)MAKE-SAIL/JINDAL/TATA	No.	13	17901.00	232713.00
2	3x50+1x35+1x16 sq. mm LT AB Cable	Km	0.44	140000.00	61600.00
3	LT stay set complete	No.	4	520.00	2080.00
4	7/12 SWG Stay wire	Kg	40	75.00	3000.00
5	LT stay clamp	No	4	110.00	440.00
6	LT Stay Insulator	No.	4	30.00	120.00
7	Pole clamp for Eye Hook	Pair	14	200.00	2800.00
8	Earthing Coil each 5th pole to earth	No	13	166.00	2158.00
9	Dead end clamp	No.	5	65.00	325.00
10	Suspension clamp with eye Hook	No.	10	340.00	3400.00
11	Piercing Connector	No	7	80.00	560.00
12	Neutral connector	No	7	40.00	280.00
13	GI nut,bolt & washer	Kg	8	78.00	624.00
14	Red Oxide paint	Ltr	7	150.00	1050.00
15	All. Paint	Ltr	8	200.00	1600.00
16	Black Paint	Ltr	5	220.00	1100.00

17	Sundries for survey, tree cutting , small size nut & bolt with washer, Allm. Binding tape, Danger Board etc.	Ls	0.5	3000.00	1500.00
18	TOTAL MATERIAL COST				315350.00
19	Escalation @6%for 2019-20				334271.00
20	Escalation @6%for 2020-21				354327.26
21	Escalation @6%for 2021-22				375586.90
22	Escalation @6%for 2022-23				398122.11
A	Escalation @6%for 2023-24				422009.44
B	Stock, Storage & Insurance @ 3% of A				12660.28
C	Sub Total (C=A+B)				434669.72
D	Contingency @3% of C				13040.09
E	T & P 2% of C				8693.39
F	Transportation @ 7.5% of C				32600.23
G	Erection Charges for PSC Pole @ 20%				0.00
H	Erection Charges of DTR and Joist Poles @ 5%				16038.26
I	Erection Charges of other @ 10%				11390.46
J	Sub Total				516432.15
23	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:3:6)	No.	4	1138.70	4554.80
24	Material cost for Concreting of 9 Mtr. RS Joist Pole1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.29 cum(PCC 1:3:6)	No.	13	2209.00	28717.00
	Total Rs.				549703.95
	Upgradation of S/S capacity from 25 kVA 11/0.4 KV to 63 KVA 11/0.4 KV with new DP in 11 Mtr. Long 150x150 mm RS Joist Pole.				
1	11 mtr Long 150X150 mm RS Joist pole(34.6 Kg/mtr.)MAKE-SAIL/JINDAL/TATA	No.	2	24739.00	49478.00
2	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.(9.2kg/mtr.)x2 Nos.GI	Kg.	52	75	3900.00
3	Transformer mounting channel 100x50x6mm 2.8 mtr long (9.2K.g per mtr)x 2 nos GI	Kg	52	75	3900.00
4	A/B switch and H.G Fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.)GI	Kg.	76	75	5700.00
5	Transformer belting Angle 50x50x6mm-2.8 mtr long 2 nos(4.5Kg per mtr)with side angle(Total 7 mtr) GI	Kg	32	75	2400.00

6	Angle for mounting LT Distribution Box (50x50x6)mm 2.5 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)GI	Kg	23	75	1725.00
7	3Pole 11KV 200A AB switch	set	1	7350.00	7350.00
8	3Pole 11KV 200A HG fuse	set	1	6120.00	6120.00
9	Lightning arrester ,12 KV- 10KA	No.	3	3550.00	10650.00
10	HT stay set complete	Set	2	1050.00	2100.00
11	HT Stay Insulator	No.	2	50.00	100.00
12	HT stay Clamp	Pair	2	125.00	250.00
13	7/10 SWG Stay wire	Kg	20	75.00	1500.00
14	GI Pipe earthing 40 mm dia medium gauge 3 Mtrs. Long	No	6	1050.00	6300.00
15	No. 6 GI wire	Kg	10	75.00	750.00
16	50x6 mm GI flat for neutral earthing	Kg	90	75.00	6750.00
17	55 sq. mm insulated conductor(unarmoured)	Km	0.04	75816.00	3032.64
18	Red Oxide paint	Ltr	3	150.00	450.00
19	All. Paint	Ltr	4	200.00	800.00
20	Black Paint	Ltr	1	220.00	220.00
21	MS Nut bolt & washer	Kg	36	78.00	2808.00
22	63 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	86500.00	86500.00
23	LT distribution Box including kit-kat fuse with MCCB for 63 KVA Transformer	No.	1	18322.00	18322.00
24	3.5 core 185 sq. mm PVC cable(unarmoured)	Mtr	15	635.00	9525.00
25	All cable socket	No	24	52.00	1248.00
26	Earthing materials	No	6	1890.00	11340.00
27	Sundries for survey, pvc tape, ampere Tape, Danger Board,small size Nut & Bolt with washer ,Allm. Binding tape,Danger Board etc.	No.	1	3000.00	3000.00
28	TOTAL MATERIAL COST				246218.64
29	Escalation @6%for 2019-20				260991.76
30	Escalation @6%for 2020-21				276651.26
31	Escalation @6%for 2021-22				293250.34
32	Escalation @6%for 2022-23				310845.36
A	Escalation @6%for 2023-24				329496.08
B	Stock, Storage & Insurance @ 3% of A				9884.88
C	Sub Total (C=A+B)				339380.96
D	Contingency @3% of C				10181.43
E	T & P 2% of C				6787.62
F	Transportation @ 7.5% of C				25453.57
G	Erection Charges for PSC Pole @ 20%				0.00
H	Erection Charges of DTR and Joist Poles @ 5%				9371.42

I	Erection Charges of other @ 10%				15195.27
J	Sub Total				406370.27
33	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:3:6)	No.	2	1138.70	2277.40
34	Material cost for Concreting of 11 Mtr. RS Joist Pole1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.29 cum(PCC 1:3:6)	No.	2	2613.70	5227.40
35	Boundary wall with grill gate,metal & sand spreading	No	1	41300.00	41300.00
K	Total Rs.				455175.07
	Sub Total Rs.				1,389,675.66
	Cess @ 1%				13,896.76
	Total Estimated Cost				1,403,572.42
	Total Estimated Cost in Figures				1,403,572.00
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/-
Asst. Project Manager (Elect) (Hqr)

Sd/-
Project Manager(Elect.)