

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 :- 06 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 6-E+6-F TYPE QUARTERS AT SADAR POLICE STATION IN THE DISTRICT OF KEONJHAR.

BID REF NO :- 103/PM/ELECT/OPHWC/2023-24

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. 2018-19	AMOUNT IN RS.
SCOPE [A]	CONSTRUCTION OF 11 KV LINE-0.15 KM				
1	11 mtr Long RS Joist pole(30.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	3	21879.00	65637.00
2	9 mtr Long RS Joist pole(23Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	1	13455.00	13455.00
3	11 KV T&C Hardware (45KN)	set	12	130.00	1560.00
4	Disc insulator(T&C)45 KN Polymer	No	12	860.00	10320.00
5	11 K.V. V cross arm	No.	1	810.00	810.00
6	11 KV F clamp	No.	1	240.00	240.00
7	Back clamp for V cross arm	No.	1	80.00	80.00
8	11 KV Pin Insulator polymer	No.	9	200.00	1800.00
9	100X50X6mm GI Channel	Kg	56	65.00	3640.00
10	11 KV 1 core, 100 sq. mm XLPE insulated conductor(Unarmoured)	Km	0.495	90000.00	44550.00
11	All. Binding wire	Kg	4	420.00	1680.00
12	Earthing coil type	No	3	166.00	498.00
13	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	6	80.00	480.00
14	HT stay set complete	Pair	2	1050.00	2100.00
15	HT Stay Insulator	No.	2	50.00	100.00
16	HT stay clamp	Pair	2	125.00	250.00
17	7/10 SWG Stay wire	Kg	20	75.00	1500.00
18	GI nut,bolt & washer	Kg	30	78.00	2340.00
19	Red oxide Paint	Ltr	3	150.00	450.00

20	All. Paint	Ltr	2	200.00	400
21	Black Paint	Ltr	1	220.00	220
22	Sundries for survey, tree cutting , small size nut & bolt with washer, Allm. Binding tape, Danger Board etc.	Ls	1	3000.00	3000.00
23	TOTAL MATERIAL COST				155110.00
24	Escalation @6%for 2019-20				164416.60
25	Escalation @6%for 2020-21				174281.60
26	Escalation @6%for 2021-22				184738.49
27	Escalation @6%for 2022-23				195822.80
A	Escalation @6%for 2023-24				207572.17
B	Stock, Storage & Insurance @ 3% of A				6227.17
C	Sub Total (C=A+B)				213799.33
D	Contingency @3% of C				6413.98
E	T & P 2% of C				4275.99
F	Transportation @ 7.5% of C				16034.95
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				5450.91
I	Erection Charges of other @ 10%				10478.11
J	Sub Total				256453.27
28	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
29	Material cost for Concreting of 9 Mtr. Joist Pole1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.29cum(PCC 1:3:6)	No	1	2209.00	2209.00
30	Material cost for Concreting of 110/11 Mtr. Joist Pole1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.29cum(PCC 1:3:6)	No	3	2613.70	7841.10
	Total Rs.				268,780.77
SCOPE [B]	INSTALLATION OF 63 KVA (BIS energy Level-II)S/S -1 No.				
1	11 mtr Long RS Joist pole(30.6 Kg/Mtr.)(SAIL/JINDAL/TATA MAKE)	No.	2	21879.00	43758.00
2	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.(9.2kg/mtr.)x2 Nos.	Kg.	104	65.00	6760.00
3	A/B switch and H.G Fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.)	Kg.	76	65.00	4940.00
4	Transformer belting Angle 50x50x6mm- 2.8 mtr long 2 nos(4.5Kg per mtr)with side angle(Total 7 mtr)	Kg	32	65.00	2080.00

5	Angel for mounting LT distribution Box - 50x50x6 mm -2.5.0 mtrs each Long 2 Nos. (4.5 Kg per mtr)	Kg	23	65.00	1495.00
6	11 KV 3 pole 200 A AB switch	Set	1	7350.00	7350.00
7	11 KV 3 pole 200 A HG Fuse with PI	Set	1	6120.00	6120.00
8	Lightning arrester ,12 KV- 10KA	No	3	3550.00	10650.00
9	HT stay set complete	Pair	2	1050.00	2100.00
10	HT Stay Insulator	No.	2	50.00	100.00
11	HT stay clamp	Pair	2	125.00	250.00
12	7/10 SWG Stay wire	Kg	20	75.00	1500.00
13	40 mm Nominal bore GI Pipe (medium gauge)earthing device(3 Mtr. Long)	No	5	1050.00	5250.00
14	NO. 6 GI Wire	Kg	20	75.00	1500.00
15	25x5 mm GI flat for earthing	Kg	75	75.00	5625.00
16	55 sq. mm Insulated conductor	Km	0.04	75816.00	3032.64
17	Red Oxide Paint	Ltr	4	150.00	600.00
18	All. Paint	Ltr	3	200.00	600.00
19	Black Paint	Ltr	2	220.00	440.00
20	MS nut,bolt & washer	Kg	36	78.00	2808.00
21	LT distribution Box with MCCB,Aluminium Bus bar with kit-kat fuse for 63 KVA Transformer	No.	1	18322.00	18322.00
22	63 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	86500.00	86500.00
23	185 sq. mm 3.5 core PVC Cable	Mtr.	15	635.00	9525
24	All. Cable socket of 185 sq. mm	No	25	35.00	875
25	Earthing materials	Ls	5	1890.00	9450
26	Sundries for survey, PVC tape, ampire tape, Danger Board, small size nut & bolt,preparation of drawing cable socket etc..	LS	1	3000.00	3000
27	TOTAL MATERIAL COST				234630.64
28	Escalation @6%for 2019-20				248708.48
29	Escalation @6%for 2020-21				263630.99
30	Escalation @6%for 2021-22				279448.85
31	Escalation @6%for 2022-23				296215.78
A	Escalation @6%for 2023-24				313988.72
B	Stock, Storage & Insurance @ 3% of A				9419.66
C	Sub Total (C=A+B)				323408.39
D	Contingency @3% of C				9702.25
E	T & P 2% of C				6468.17
F	Transportation @ 7.5% of C				24255.63
G	Erection Charges for PSC Pole @ 20%				

H	Erection Charges of DTR and Joist Poles @ 5%				8977.20
I	Erection Charges of other @ 10%				14386.44
J	Sub Total				387198.07
32	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
33	Material cost for Concreting of Joist Pole1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.29cum(PCC 1:3:6)	No	2	2613.70	5227.40
34	Boundary wall with Bricks	No	1	35000.00	35000.00
	Total Rs.				429702.87
SCOPE [C]	LINE Line with 3x50+1x35 sq. mm XLPE AB Cable-0.15 Km				
1	9 mtr Long 116x100 mm RS Joist pole(23Kg/Mtr.)(SAIL/JINDAL/TAT A MAKE)	No.	1	13455.00	13455.00
2	AB cable(3x50+1x35) sq. mm	Mtr.	155	130.00	20150.00
3	LT Stay set complete	Set	2	520.00	1040.00
4	7/12 SWG GI stay wire	Kg	20	75.00	1500.00
5	LT stay insulator	No.	2	110.00	220.00
6	LT stay clamp	No.	2	30.00	60.00
7	Pole clamp with I hook(ABC)	Pair	4	200.00	800.00
8	Dead end clamp	No.	2	65.00	130.00
9	Suspension clamp with I hook	No.	2	340.00	680.00
10	Piercing connector	No.	12	80.00	960.00
11	Neutral connector	No.	12	40.00	480.00
12	GI nut,bolt of assorted size	Kg	30	78.00	2340.00
13	NO. 6 GI Wire	Kg	5	75.00	375.00
14	Earthing Coil	No.	1	166.00	166.00
18	Anticlimbing device made of GI barbed wire,clamping arrangement etc.(2 Kg per support)	Kg	2	80.00	160.00
19	Sundries for survey, tree cutting , small size nut & bolt,insulated tape,Al. binding tape Danger board etc.	Ls	1	3000.00	3000.00
20	Total Rs.				45516.00
21	Escalation @6%for 2019-20				48246.96
22	Escalation @6%for 2020-21				51141.78
23	Escalation @6%for 2021-22				54210.28
24	Escalation @6%for 2022-23				57462.90
A	Escalation @6%for 2023-24				60910.68
B	Stock, Storage & Insurance @ 3% of A				1827.32
C	Sub Total (C=A+B)				62738.00
D	Contingency @3% of C				1882.14

E	T & P 2% of C				1254.76
F	Transportation @ 7.5% of C				4705.35
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				927.30
I	Erection Charges of other @ 10%				4419.20
J	Sub Total				75926.75
25	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
26	Material cost for Concreting of Joist Pole1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.29cum(PCC 1:3:6)	No	1	2209.00	2209.00
	Total Rs.				80413.15
	Total Estimated Cost				778,896.79
	Total Estimated Cost in Figures				778,897.00
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/-
D.M (Elect) I/C**

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