

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 :- 02 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO INDOOR HALL AT MSCB BARIPADA.

BID REF NO :- 23/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. 2018-19	AMOUNT IN RS.
SCOPE [A]	Construction of 3 ph 3W 11 KV Line with 100 sq. mm OH insulated conductor-0.01 Km.				
1	150x150 mm 11 Mtr. Long RS joist Pole(34.6)Kg/Mtr.(MAKE-SAIL/JINDAL/TATA)	No.	1	24739.00	24739.00
2	11 K.V. V cross arm	No.	1	810.00	810.00
3	11 KV F clamp	No.	1	240.00	240.00
4	Back clamp for V cross arm	No.	1	80.00	80.00
5	11 KV Pin Insulator polymer	No.	3	200.00	600.00
6	11 KV T&C Hardware (45KN)	set	6	130.00	780.00
7	Disc insulator(T&C)45 KN Polymer	No	6	860.00	5160.00
8	100X50X6mm GI Channel (each 2.8 Mtr. Long ,9.2 Kg/Mtr.)x2 No.	Kg	23	75.00	1725.00
9	50x50x6mm GI Angle(each 2.8 Mtr. Long ,4.5 Kg/Mtr.)x2 No.with side angle	Kg	23	75.00	1725.00
10	Earthing support coil type	No	1	166.00	166.00
11	HT Stay set complete	Set	2	1050.00	2100.00
12	7/10 SWG Stay wire	Kg	24	75.00	1800.00
13	HT Stay Insulator	No.	2	50.00	100.00
14	HT stay clamp	Pair	2	125.00	250.00
15	11 KV, 1 Core 100 sq. mm XLPE	Km	0.031	90000.00	2781.00
16	PG Clamp for 100 sq. mm AAA Conductor	No	12	580.00	6960.00
17	GI nut,bolt & washer	Kg	20	78.00	1560.00
18	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	2	80.00	160.00
19	Danger Plate	No	1	80.00	80.00
20	All. Paint	Ltr	1	200.00	130.80
21	Black Paint	Ltr	1	220.00	220.00
22	Red Oxide Paint	Ltr	0.5	150.00	75.00

23	Sundries for survey, PVC Tape,Ampire Tape, Danger Board ,small size Nut & Bolt preparation of drawing cable socket etc.	Ls	1	2000.00	2000.00
24	TOTAL MATERIAL COST				54241.80
25	Escalation @6%for 2019-20				57496.31
26	Escalation @6%for 2020-21				60946.09
27	Escalation @6%for 2021-22				64602.85
28	Escalation @6%for 2022-23				68479.02
29	Escalation @6%for 2023-24				72587.76
A	Escalation @6%for 2024-25				76943.03
B	Stock, Storage & Insurance @ 3% of A				2308.29
C	Sub Total (C=A+B)				79251.32
D	Contingency @3% of C				2377.54
E	T & P 2% of C				1585.03
F	Transportation @ 7.5% of C				5943.85
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				1807.28
I	Erection Charges of other @ 10%				4310.58
J	Sub Total				95275.60
30	Material cost for Concreting of Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	1	2215.20	2215.20
31	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	2	965.00	1930.00
					4145.20
	Total Rs.				99,420.80
SCOPE [B]	Construction of 63 KVA (BIS energy Level-II) sub station -1 No.				
1	150x150 mm 11 Mtr. Long RS joist Pole(34.6)Kg/Mtr.(MAKE-SAIL/JINDAL/TATA)	No.	2	24739.00	49478.00
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	100X50X6mm GI Channel (each 2.8 Mtr. Long ,9.2 Kg/Mtr.)x2 No.	Kg	103.04	75.00	7728.00
6	75X40X6mm GI Channel (each 2.8 Mtr. Long ,6.8 Kg/Mtr.)x2 No.	Kg	76.16	75.00	5712.00
7	50x50x6mm GI Angle(each 2.8 Mtr. Long ,4.5 Kg/Mtr.)x2 No.with side angle	Kg	50.4	75.00	3780.00
8	HT Stay set complete	Set	2	1050.00	2100.00
9	7/10 SWG Stay wire	Kg	20	75.00	1500.00
10	HT Stay Insulator	No.	2	50.00	100.00
11	HT stay clamp	Pair	2	125.00	250.00
12	63 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	86500.00	86500.00

13	LT distribution Box with MCCB,Aluminium Bus bar of single-bay with kit-kat fuse for 63 KVA S/S.	No.	1	18322.00	18322.00
14	11 KV 3 pole 200 A AB switch,50 Hz	Set	1	7350.00	7350.00
15	11 KV 3 pole 200 A HG Fuse with PI	Set	1	6120.00	6120.00
16	Lightning arrester ,12 KV- 10KA	No	3	3550.00	10650.00
17	GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long	No	5	1050.00	5250.00
18	25x6 mm GI flat for body earthing	Kg	10	75.00	750.00
19	50x6 mm GI flat for neutral earthing	Kg	15	75.00	1125.00
20	No.6/8 GI wire(Dia 4.6 mm)	Kg	20	75.00	1500.00
21	GI nut,bolt & washer	Kg	30	78.00	2340.00
22	3.5 core 150 sq. mm LT PVC cable(un-armoured)	Mtr.	20.000	504.00	10080.00
23	All. Cable sockets	No	30	52.00	1560.00
24	Earthing materials	No	5	1890.00	9450.00
25	All. Paint	Ltr	3	200.00	600.00
26	Black Paint	Ltr	2	220.00	440.00
27	Red Oxide Paint	Ltr	1	150.00	150.00
28	Sundries for survey, PVC Tape,Ampire Tape, Danger Board ,small size Nut & Bolt preparation of drawing cable socket etc.	Ls	1	2000.00	2000.00
29	TOTAL MATERIAL COST				238405.00
30	Escalation @6%for 2019-20				252709.30
31	Escalation @6%for 2020-21				267871.86
32	Escalation @6%for 2021-22				283944.17
33	Escalation @6%for 2022-23				300980.82
34	Escalation @6%for 2023-24				319039.67
A	Escalation @6%for 2024-25				338182.05
B	Stock, Storage & Insurance @ 3% of A				10145.46
C	Sub Total (C=A+B)				348327.51
D	Contingency @3% of C				10449.83
E	T & P 2% of C				6966.55
F	Transportation @ 7.5% of C				26124.56
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				9933.71
I	Erection Charges of other @ 10%				14965.35
J	Sub Total				416767.51
35	Material cost for Concreting of Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	2	2215.20	4430.40
36	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	2	965.25	1930.00

37	Boundary wall ,Sand filling and metal spreading ,Fixing of Iron Grill Gate Etc.	Ls	1	35000.00	35000.00
	Total Rs.				458127.91
	Sub Total Rs.				5,57,548.71
	Cess @1%				5,575.49
	Total Estimated Cost				5,63,124.19
	Total Estimated Cost in Figures				5,63,124.00
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/-
Project Manager(Elect.)**

**Sd/-
DM (Elect) I/C**