

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 :- 03 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 12-E+4-E TYPE QUARTERS AT OSAP 5 TH. BN., BARIPADA IN THE DISTRICT OF MAYURBHANJ.

BID REF NO :- 68/PM/ELECT/OPHWC/2024-25

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 3 ph 3W 11 KV Line - 0.01 Km.				
1	150x150 mm 10 Mtr. Long RS Joist Pole(34.6 Kg/Mtr.)	No.	1	22490.00	22490.00
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	3	130.00	390.00
7	Disc insulator(T&C)45 KN Polymer	No	3	860.00	2580.00
8	Earthing support coil type	No	1	166.00	166.00
9	HT Stay set complete	Set	1	1050.00	1050.00
10	7/10 SWG Stay wire	Kg	12	75.00	900.00
11	HT Stay Insulator	No.	1	50.00	50.00
12	HT stay clamp	Pair	1	125.00	125.00
13	55 Sq. mm Insulated Conductor	Km	0.033	75920.14	2505.36
14	PG Clamp for 55 sq. mm Conductor	No	3	480.00	1440.00
15	100x50x6 mm GI Channel(each 2.8 Mtr. Long (9.2 Kg/mtr.,)	Kg	25	75.00	1875.00
16	GI nut,bolt & washer	Kg	5	78.00	390.00
17	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	2	80.00	160.00
18	Danger Plate	No	1	80.00	80.00
19	Red Oxide Paint	Ltr.	1	150.00	150.00
20	Aluminium Paint	Ltr.	2	200.00	400.00
21	Black paint	Ltr.	0.5	220.00	110.00
22	Sundries	LS	0.01	3000.00	30.00
23	TOTAL MATERIAL COST				36621.36

24	Escalation @6%for 2019-20				38818.65
25	Escalation @6%for 2020-21				41147.77
26	Escalation @6%for 2021-22				43616.63
27	Escalation @6%for 2022-23				46233.63
28	Escalation @6%for 2023-24				49007.65
A	Escalation @6%for 2024-25				51948.11
B	Stock, Storage & Insurance @ 3% of A				1558.44
C	Sub Total (C=A+B)				53506.55
D	Contingency @3% of C				1605.20
E	T & P 2% of C				1070.13
F	Transportation @ 7.5% of C				4012.99
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				1642.98
I	Erection Charges of other @ 10%				2064.70
J	Sub Total				63902.55
27	Material cost for Concreting of Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)	No	1	2048.00	2048.00
28	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	1	965.00	965.00
					3013.00
	Total Rs.				66,915.55
SCOPE [B]	Construction of 100 KVA (BIS energy Level-II) sub station -1 No.				
1	150x150 mm 11 Mtr. Long RS Joist Pole	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	100x50x6 mm GI Channel(each 2.8 Mtr. Long(9.2 Kg/Mtr.)2 Nos.	Kg	110	75.00	8250.00
6	75x40x6 GI Angle(each 2.8 Mtr. Long(6.8 Kg/Mtr.)with side angle	Kg	80	75.00	6000.00
7	50x50x6 mm GI Angle(each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	40	75.00	3000.00
8	11 KV 3 pole 200 A AB switch	Set	1	7350.00	7350.00
9	11 KV 3 pole 200 A HG Fuse with PI	Set	1	6120.00	6120.00
10	Lightning arrestor ,12 KV- 5 KA	No	3	2250.00	6750.00
11	55 Sq. mm Insulated Conductor	Km	0.040	75920.14	3036.81

12	LT distribution Box with MCCB, Aluminium Bus bar of single-bay with kit-kat fuse for 100 KVA Transformer	No.	1	24419.00	24419.00
13	100 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	117000.00	117000.00
14	3.5 core 95 sq. mm LT PVC cable(unarmoured)	Mtr	15	333.00	4995.00
15	GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long	No	5	1050.00	5250.00
16	No. 8 GI wire	Kg	20	75.00	1500.00
17	Earthing material	Ls	5	1890.00	9450.00
18	HT Stay set complete	Set	2	1050.00	2100.00
19	7/10 SWG Stay wire	Kg	24	75.00	1800.00
20	HT Stay Insulator	No.	2	50.00	100.00
21	HT stay clamp	Pair	2	125.00	250.00
22	25x6 mm GI flat for earthing	Kg	55	75.00	4125.00
23	50x6 mm GI flat for neutral earthing	Kg	35	75.00	2625.00
24	GI nut,bolt & washer	Kg	36	78.00	2808.00
25	All cable lug of different size	No	28	52.00	1456.00
26	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	4	80.00	320.00
27	Red Oxide Paint	Ltr.	2	150.00	300.00
28	Aluminium Paint	Ltr.	4	200.00	800.00
29	Black paint	Ltr.	0.5	220.00	110.00
30	Sundries	LS	1	2000.00	2000.00
31	TOTAL MATERIAL COST				274962.81
32	Escalation @6%for 2019-20				291460.57
33	Escalation @6%for 2020-21				308948.21
34	Escalation @6%for 2021-22				327485.10
35	Escalation @6%for 2022-23				347134.21
36	Escalation @6%for 2023-24				367962.26
A	Escalation @6%for 2024-25				390039.99
B	Stock, Storage & Insurance @ 3% of A				11701.20
C	Sub Total (C=A+B)				401741.19
D	Contingency @3% of C				12052.24
E	T & P 2% of C				8034.82
F	Transportation @ 7.5% of C				30130.59
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				12161.84
I	Erection Charges of other @ 10%				15850.44
J	Sub Total				479971.12
37	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

38	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
39	Boundary wall ,sand filling and metal spreading,Fixing of Iron Grill gate etc.	No	1	35000.00	35000.00
40	Plinth of S/S	No	1	35000.00	35000.00
					556331.52
SCOPE [C]	LT LINE				
1	9 mtr Long 150X150 mm RS Joist Pole(30.6 Kg/Mtr.)	No.	8	17901.00	143208.00
2	Earthing support coil type	No.	2	166.00	332.00
3	GI nut,bolt of assorted size	Kg	22	78.00	1716.00
4	AB cable(3x50+1x35+1x16) sq. mm	Km	0.34	140000.00	47600.00
5	LT Stay set complete	Set	6	520.00	3120.00
6	7/12 SWG GI stay wire	Kg	72	75.00	5400.00
7	LT stay insulator	No.	6	110.00	660.00
8	LT stay clamp	No.	6	30.00	180.00
9	Dead end clamp	No.	6	65.00	390.00
10	Suspension clamp with I hook	No.	5	340.00	1700.00
11	Pole clamp with I hook(ABC)	Pair	8	200.00	1600.00
12	Insulated piercing connector.Type-A-main 16 to 95 sq.mm & Tap-16 to 95 sq.mm	No	17	80.00	1360.00
13	Neutral connector.Type-B-main 35 to 70 sq.mm & Tap-2.5 to 10 sq.mm service cable over by black weather resistant insulation cover	No	17	40.00	680.00
14	Danger Board	No	8	80.00	640.00
15	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	16	80.00	1280.00
16	Red Oxide Paint	Ltr.	4	150.00	600.00
17	Aluminium Paint	Ltr.	16	200.00	3200.00
18	Black paint	Ltr.	2	220.00	440.00
19	Sundries for survey, tree cutting , insulated tape,mceal compound etc.	Ls	0.32	2000.00	640.00
20	Total Rs.				214746.00
21	Escalation @6%for 2019-20				227630.76
22	Escalation @6%for 2020-21				241288.61
23	Escalation @6%for 2021-22				255765.92
24	Escalation @6%for 2022-23				271111.88
25	Escalation @6%for 2023-24				287378.59
A	Escalation @6%for 2024-25				304621.31
B	Stock, Storage & Insurance @ 3% of A				9138.64
C	Sub Total (C=A+B)				313759.94
D	Contingency @3% of C				9412.80
E	T & P 2% of C				6275.20

F	Transportation @ 7.5% of C				23532.00
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				10461.88
I	Erection Charges of other @ 10%				10452.24
J	Sub Total				373894.06
21	Material cost for Concreting of RS Joist Pole 1.8 Mtrx0.4 Mtr.x0.4 Mtr=0.29 cum(PCC 1:3:6)@6500	No	8	1872.00	14976.00
22	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:2:4)@4320	No	6	965.00	5790.00
	Total Rs.				394660.06
	Sub Total Rs.				10,17,907.13
	Cess @1%				10,179.07
	Total Estimated Cost				10,28,086.20
	Total Estimated Cost in Figures				10,28,086.00
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)**

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