

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 BLOCK LEVEL BUS STAND AT CHANDBALI (DHAMRA) IN THE DISTRICT OF BHADRAK.

BID REF NO :- 13/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.	AMOUNT IN RS.
SCOPE [A]	Construction of 3 ph 3 wire 11 KV line using 100 sq. mm XLPE Insulated Conductor-0.9 Km				
SCOPE [B]	Construction of 3 ph 3 wire 11 KV line using 100 sq. mm Insulated Conductor-0.5 Km				
SCOPE [C]	Construction of 3 Ph 5 Wire LT line using AB Cable-0.85 Km				
SCOPE [D]	Line DP with AB Switch-1No.				
SCOPE [D]	Road crossing- 1 No				
1	11 mtr GI Joist pole(150x150)mm,34.6 Kg/Mtr.	No.	19	28545.00	542355.00
2	13 mtr GI Joist pole(150x150)mm,34.6 Kg/Mtr.	No.	6	33735.00	202410.00
3	11 K.V. V cross arm(10.2 Kg)	No.	14	810.00	11340.00
4	GI Back clamp for V cross Arm,11 KV,0.85 Kg each	No.	14	80.00	1120.00
5	11 KV F clamp ,2.9 Kg each	No.	22	240.00	5280.00
6	11 KV Pin Insulator polymer	No.	85	200.00	17000.00
7	11 KV T&C Hardware (45KN)Polymer	set	54	130.00	7020.00
8	Disc insulator(T&C)45 KN Polymer	No	54	290.00	15660.00
9	100x50x6 mm GI Channel	Kg	500	75.00	37500.00
10	75x40x6 mm GI Channel	Kg	80	75.00	6000.00
11	50x50x5 mm GI Angle	Kg	60	75.00	4500.00
12	AB switch(11 KV,400 A,3 pole 50 HZ)	No	1	11850.00	11850.00
13	11 Kv LA	No	6	3550.00	21300.00
14	40mm dia GI pipe Earthing device 3 Mtrs. Long	No.	1	1050.00	1050.00
15	Earthing Device	No.	1	1892.00	1892.00

16	GI Flat 25x5 mm	Kg	15	75.00	1125.00
17	7/12 SWG GI Stay wire,Grade-2	Kg	40	75.00	3000.00
18	No.8 GI wire(Dia 4.6 mm)	Kg	39	75.00	2925.00
19	11 KV 1 core 100 sq. mm XLPE Insulated AAA Conductor	Km	2.781	90000.00	250290.00
20	PG clamp for 100 sq. mm AAAC	No	54	580.00	31320.00
21	HT stay set complete	Pair	13	1050.00	13650.00
22	HT Stay Insulator	No.	13	50.00	650.00
23	HT stay clamp	Pair	13	125.00	1625.00
24	7/10 SWG GI Stay wire	Kg	130	75.00	9750.00
25	Earthing device coil type	No	25	166.00	4150.00
26	Anticlimbing device made of GI barbed wire,clamping arrangement etc.(2 Kg per support)	Kg	50	80.00	4000.00
27		No.			7410.00
28	Road crossing guarding	No.	3	11031.00	33093.00
29	Danger Plate	Kg	25	80.00	2000.00
30	Sundries	Kg	1	3000.00	3000.00
31	Total Rs.				1254265.00
32	Escalation @6%for 2019-20				1329520.90
33	Escalation @6%for 2020-21				1409292.15
34	Escalation @6%for 2021-22				1493849.68
35	Escalation @6%for 2022-23				1583480.66
A	Escalation @6%for 2022-23				1678489.50
B	Stock, Storage & Insurance @ 3% of A				50354.69
C	Sub Total (C=A+B)				1728844.19
D	Contingency @3% of C				51865.32568
E	T & P 2% of C				34576.88378
F	Transportation @ 7.5% of C				129663.3142
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				51328.17
I	Erection Charges of other @ 10%				70228.07
J	Sub Total				2066505.95
36	Labour+Transportation Charges for Dismantaling(Detail as per estimate)				13225.00
37	Total Rs.(PART-I)				2079730.95
38	Salvage value of Dismantaed material				8616.24
	TOTAL RS.				2071114.71
39	Material cost for Concreting of 11 Mtr. Joist Pole2.6 Mtrx0.40 Mtr.x0.40 Mtr=0.39 cum(PCC 1:3:6)	No	19	2215.00	42085.00
40	Material cost for Concreting of 13 Mtr. Joist Pole2.46 Mtrx0.40 Mtr.x0.40 Mtr=0.39 cum(PCC 1:3:6)	No	6	2558.40	15350.40

41	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)	No	13	965.00	12545.00
					69980.40
	TOTAL RS.(PART-I)				2141095.11
	PART-II				
1	11 mtr GI Joist pole(150x150)mm,34.6 Kg/Mtr.	No.	13	28545.00	371085.00
2	13 mtr GI Joist pole(150x150)mm,34.6 Kg/Mtr.	No.	4	33735.00	134940.00
3	9 mtr GI Joist pole(150x150)mm,34.6 Kg/Mtr.	No.	22	20655.00	454410.00
4	11 K.V. V cross arm(10.2 Kg)	No.	10	810.00	8100.00
5	Ms Back clamp for V cross Arm	No.	10	80.00	800.00
6	11 KV F clamp	No.	15	240.00	3600.00
7	11 KV Pin Insulator polymer with GI Pin	No.	58	200.00	11600.00
8	11 KV T&C Hardware (45KN)Polymer	set	36	130.00	4680.00
9	Disc insulator(T&C)45 KN Polymer	No	36	290.00	10440.00
10	100x50x6 mm MS Channel(each 2.8 Mtr.) Long(9.2 Kg/Mtr.)x2 Nos	Kg	330	75.00	24750.00
11	75x40x6 mm MS Angle (each 2.8 Mtr.) Long(9.2 Kg/Mtr.)with side angle	Kg	50	75.00	3750.00
12	50x50x5 mm MS Angle(each 2.8 Mtr.) Long(6.8 Kg/Mtr.)with side angle	Kg	50	75.00	3750.00
13	AB switch	No	1	11850.00	11850.00
14	11 Kv LA	No	6	3550.00	21300.00
15	40mm dia GI pipe Earthing device 3 Mtrs. Long	No.	1	1050.00	1050.00
16	Earthing Coil	No.	21	1892.00	39732.00
17	GI Flat 25x5 mm for neutral earthing	Kg	15	75.00	1125.00
18	7/12 SWG Stay wire	Kg	40	75.00	3000.00
19	No.6/8 GI wire	Kg	27	75.00	2025.00
20	11 KV 1 core 100 sq. mm XLPE Insulated AAA Conductor	Km	1.545	90000.00	139050.00
21	PG clamp for 100 sq. mm AAAC	No	36	580.00	20880.00
22	HT stay set complete	Pair	6	1050.00	6300.00
23	HT Stay Insulator	No.	6	50.00	300.00
24	HT stay clamp	Pair	6	125.00	750.00
25	7/10 SWG Stay wire	Kg	60	75.00	4500.00
26	Earthing device coil type	No	30	166.00	4980.00
27	Anticlimbing device made of GI barbed wire	Kg	34	80.00	2720.00
28	Road crossing guarding	No.	1	11031.00	11031.00
29	Clamp for LT stay	Pair	8	110.00	880.00
30	LT Stay Insulator	No.	8	30.00	240.00

31	Insulated Piercing connector ,Type-A main 16-95 sq. mm & Tap-16 to 95 sq. mm	No	81	80.00	6480.00
32	Neutral Connector Type-b suitable for Main 35 to 70 sq. mm AAAC & Tap-2.5 to 10 sq. mm service cable cover by black weather resistant insulation cover.	No	27	33.00	891.00
33	16 MM LT/GI STAY		8	520.00	4160.00
34	stay wire		80	75.00	6000.00
35	Dead End Clamp	No	10	65.00	650.00
36	Suspension clamp with Eye Hook for ABC	No	22	340.00	7480.00
37	Pole Clamp for Eye Hook for Aerial bunched cable	No	27	200.00	5400.00
38	3x50+1x35+1x16 sq. mm LT XLPE AB Cable	Km	0.8755	140000.00	122570.00
39	GI	Kg	65	78.00	5070.00
40	Danger Plate	Kg	17	80.00	1360.00
41	Sundries	Kg	1	3000.00	3000.00
42	Total Rs.				1466679.00
43	Escalation @6%for 2019-20				1554679.74
44	Escalation @6%for 2020-21				1647960.52
45	Escalation @6%for 2021-22				1746838.16
46	Escalation @6%for 2022-23				1851648.45
A	Escalation @6%for 2022-23				1962747.35
B	Stock, Storage & Insurance @ 3% of A				58882.42
C	Sub Total (C=A+B)				2021629.77
D	Contingency @3% of C				60648.89317
E	T & P 2% of C				40432.59545
F	Transportation @ 7.5% of C				151622.2329
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				66191.85
I	Erection Charges of other @ 10%				69779.27
J	Sub Total				2410304.61
36	Labour+Transportation Charges for Dismantaling(Detail as per estimate)				2241.00
37	Total Rs.(PART-I)				2412545.61
38	Salvage value of Dismantaed material				1432.08
	TOTAL RS.				2411113.53
39	Material cost for Concreting of 11 Mtr. Joist Pole2.6 Mtrx0.40 Mtr.x0.40 Mtr=0.39 cum(PCC 1:3:6)	No	13	2215.00	28795.00
40	Material cost for Concreting of 13 Mtr. Joist Pole2.46 Mtrx0.40 Mtr.x0.40 Mtr=0.39 cum(PCC 1:3:6)	No	4	2558.40	10233.60

40	Material cost for Concreting of 9 Mtr. Joist Pole 1.80 Mtr x 0.40 Mtr x 0.40 Mtr = 0.29 cum (PCC 1:3:6)	No	22	1872.00	41184.00
41	Material cost for Concreting of stay 1.65 Mtr x 0.3 Mtr x 0.3 Mtr = 0.150 cum (PCC 1:3:6)	No	14	965.00	13510.00
					93722.60
	TOTAL RS.(PART-I)				2504836.13
	Total Rs.				46,45,931.25
	Cess @ 1%				46,459.31
	Total Estimated Cost				46,92,390.56
	Total Estimated Cost in Figures				46,92,391.00
EXCESS	☐ LESS ☐ (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.)**