

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 :- 04 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 12-F TYPE QTRS. AT TOWN POLICE STATION BALASORE IN THE DIST. OF BALASORE.

BID REF NO :- 44/DGM/ELECT/OPHWC/2024-25

**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 -0.02 Km. Interposing Pole-1 No.				
1	150x150 mm 11 Mtr. Long GI Joist Pole	No.	1	28545.00	28,545.00
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	5,160.00
8	75X40X6mm GI Channel(each 2.8 Mtr. Long (6.8 Kg/mtr.))with side angle	Kg	38.08	75.00	2,856.00
9	HT Stay set complete	Set	1	1050.00	1,050.00
10	7/10 SWG Stay wire	Kg	10	75.00	750.00
11	HT Stay Insulator	No.	1	50.00	50.00
12	HT stay clamp	Pair	1	125.00	125.00
13	PG Clamp for 100 sq. mm AAA Conductor	No	6	580.00	3,480.00
14	11 KV 1 Core ,100 sq. mm XLPE insulated AAA conductor(Un armoured)	Km	0.062	90000.00	5,562.00
15	Earthing support coil type	No	1	166.00	166.00
16	Danger Plate	No	1	80.00	80.00
17	Aniclimbing device made of GI barbed wire, clamping arrangement etc.(2 Kg per support)	Kg	2	80.00	160.00
18	GI nut,bolt & washer	Kg	5	78.00	390.00
19	Road cross guarding	No	1	11031.00	11,031.00
20	Sundries	LS	1	2000.00	2,000.00
21	TOTAL MATERIAL COST				63,915.00
22	Escalation @6%for 2019-20				67,749.90
23	Escalation @6%for 2020-21				71,814.89

24	Escalation @6%for 2021-22				76,123.79
25	Escalation @6%for 2022-23				80,691.21
26	Escalation @6%for 2023-24				85,532.69
A	Escalation @6%for 2024-25				90,664.65
B	Stock, Storage & Insurance @ 3% of A				2,719.94
C	Sub Total (C=A+B)				93,384.59
D	Contingency @3% of C				2,801.54
E	T & P 2% of C				1,867.69
F	Transportation @ 7.5% of C				7,003.84
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				2,085.32
I	Erection Charges of other @ 10%				5,167.82
J	Sub Total				112,310.80
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	2215.20	2,215.20
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
					3,180.20
	Total Rs.				115,491.00
SCOPE [B]	Construction of 100 KVA (BIS energy Level-II) sub station -1 No.				
1	150x150 mm 11 Mtr. Long GI joist Pole	No.	2	28545.00	57,090.00
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	2,580.00
5	100x50x6 mm GI Channel(each 2.8 Mtr. Long(9.2 Kg/Mtr.)2 Nos.	Kg	103.04	75.00	7,728.00
6	75x40x6 GI Angle(each 2.8 Mtr. Long(6.8 Kg/Mtr.)with side angle	Kg	114.24	75.00	8,568.00
7	50x50x6 mm GI Angle(each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	50.4	75.00	3,780.00
8	HT Stay set complete	Set	2	1050.00	2,100.00
9	7/10 SWG Stay wire	Kg	20	75.00	1,500.00
10	HT Stay Insulator	No.	2	50.00	100.00
11	HT stay clamp	Pair	2	125.00	250.00
12	11 KV 1 Core ,100 sq. mm XLPE insulated AAA conductor(Un armoured)	Km	0.040	90000.00	3,600.00
13	LT distribution Box with MCCB,Aluminium Bus bar of 2-bay with kit-kat fuse for 100 KVA Transformer	No.	1	24419.00	24,419.00
14	100 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	117000.00	117,000.00
15	11 KV 3 pole 200 A AB switch	Set	1	7350.00	7,350.00
16	11 KV 3 pole 200 A HG Fuse with PI	Set	1	6120.00	6,120.00
17	Lightning arrestor ,12 KV- 10KA	No	3	3550.00	10,650.00
18	PG Clamp for 100 sq. mm AAA Conductor	No	3	580.00	1,740.00
19	GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long	No	7	1050.00	7,350.00
20	Earthing material	Ls	7	1890.00	13,230.00

21	25x6 mm GI flat for body earthing	Kg	40	75.00	3,000.00
22	50x6 mm GI flat for neutral earthing	Kg	30	75.00	2,250.00
23	GI nut,bolt & washer	Kg	15	78.00	1,170.00
24	3.5 core 95 sq. mm LT PVC cable(unarmoured)	Mtr	30	333.00	9,990.00
25	Earthing support coil type	No	2	166.00	332.00
26	Danger Board	No	2	80.00	160.00
27	All. Cable socket	No	32	52.00	1,664.00
28	Aniclimbing device made of GI barbed wire, clamping arrangement etc.(2 Kg per support)	Kg	4	80.00	320.00
29	Sundries for survey, PVC tape, ampire tape, Danger Board, small size nut & bolt,preparation of drawing cable socket etc..	LS	1	2000.00	2,000.00
30	TOTAL MATERIAL COST				297,031.00
31	Escalation @6%for 2019-20				314,852.86
32	Escalation @6%for 2020-21				333,744.03
33	Escalation @6%for 2021-22				353,768.67
34	Escalation @6%for 2022-23				374,994.79
35	Escalation @6%for 2023-24				397,494.48
A	Escalation @6%for 2024-25				421,344.15
B	Stock, Storage & Insurance @ 3% of A				12,640.32
C	Sub Total (C=A+B)				433,984.47
D	Contingency @3% of C				13,019.53
E	T & P 2% of C				8,679.69
F	Transportation @ 7.5% of C				32,548.84
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				12,717.93
I	Erection Charges of other @ 10%				17,962.60
J	Sub Total				518,913.06
36	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	4,430.40
37	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	1,930.00
38	Barbed Fencing with Grill gate ,metal and Sand.	Ls	1	35000.00	35,000.00
					560,273.46
III	LT LINE				
1	9 mtr Long 116x100 mm GI Joist Pole(23 Kg/Mtr.)	No.	5	15525.00	77,625.00
2	AB cable(3x50+1x35+1x16) sq. mm	Km	0.22	140000.00	30,800.00
3	Dead end clamp	No.	4	65.00	260.00
4	Suspension clamp with I hook	No.	4	340.00	1,360.00
5	Pole clamp with I hook(ABC)	Pair	6	200.00	1,200.00
6	Insulated piercing connector.Type-A-main 16 to 95 sq.mm & Tap-16 to 95 sq.mm	No	15	80.00	1,200.00
7	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	5	33.00	165.00
8	LT Stay set complete	Set	2	520.00	1,040.00
9	7/12 SWG GI stay wire	Kg	20	75.00	1,500.00
10	LT stay insulator	No.	2	110.00	220.00

11	LT stay clamp	No.	2	30.00	60.00
12	Earthing support coil type	No.	5	166.00	830.00
13	GI nut,bolt of assorted size	Kg	10	78.00	780.00
14	Sundries for survey, tree cutting , insulated tape,mceal compound etc.	LS	1	2000.00	2,000.00
15	Total Rs.				119,040.00
16	Escalation @6%for 2019-20				126,182.40
17	Escalation @6%for 2020-21				133,753.34
18	Escalation @6%for 2021-22				141,778.54
19	Escalation @6%for 2022-23				150,285.26
20	Escalation @6%for 2023-24				159,302.37
A	Escalation @6%for 2024-25				168,860.52
B	Stock, Storage & Insurance @ 3% of A				5,065.82
C	Sub Total (C=A+B)				173,926.33
D	Contingency @3% of C				5,217.79
E	T & P 2% of C				3,478.53
F	Transportation @ 7.5% of C				13,044.47
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				5,670.79
I	Erection Charges of other @ 10%				6,051.04
J	Sub Total				207,388.95
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	5	1872.00	9,360.00
22	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:2:4)@4320	No	2	641.52	1,283.04
	Total Rs.				218,031.99
	Sub Total Rs.				893,796.46
	Cess @1%				8,937.96
	Total Estimated Cost				902,734.42
	Total Estimated Cost in Figures				902,734.00
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

Signature of Tenderer with seal

Sd/-
Asst. Project Manager (Elect)

Sd/-
D.M (Elect) I/C

Sd/-
DGM Engg.(Elect.)