

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 :- 01 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO BRAHMABARADA POLICE STATION IN THE DISTRICT OF JAJPUR.

BID REF NO :- 29/PM/ELECT/OPHWC/2025-26

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 3W 11 KV Line				
1	150x150 mm 11 Mtr. Long GI Joist Pole(34.6 Kg/mtr.)	No.	3	28545.00	85,635.00
2	9 mtr Long 300 KG PSC Pole	No.	1	3000.00	3,000.00
3	11 KV Pin Insulator polymer	No.	12	200.00	2,400.00
4	11 KV T&C Hardware (45KN)	set	21	130.00	2,730.00
5	Disc insulator(T&C)45 KN Polymer	No	21	860.00	18,060.00
6	HT Stay set complete	Set	2	1050.00	2,100.00
7	7/10 SWG Stay wire	Kg	20	75.00	1,500.00
8	HT Stay Insulator	No.	2	50.00	100.00
9	HT stay clamp	Pair	2	125.00	250.00
10	11 KV 55 sq. mm XLPE insulated AAA Conductor	Km	0.320	75920.00	24,294.40
11	100x50x6 mm GI Channel(each 2.8 Mtr. Long(9.2 Kg/Mtr.)2 Nos.	Kg	206.08	75.00	15,456.00
12	PG Clamp for 55 sq. mm Conductor	No	21	480.00	10,080.00
13	GI nut,bolt & washer	Kg	73.2	78.00	5,709.60
14	Earthing support coil type	No	3	166.00	498.00
15	Danger Plate	No	3	80.00	240.00
16	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	6	80.00	480.00
17	AB switch(11 KV, 400A, 3 pole, 50 Hz)	No.	1	11850.00	11,850.00
18	11 KV Guarding	No.	1	11031.00	11,031.00
19	Sundries	LS	1	3000.00	3,000.00
20	TOTAL MATERIAL COST				198,414.00
21	Escalation @6%for 2019-20				210,318.84

22	Escalation @6%for 2020-21				222,937.97
23	Escalation @6%for 2021-22				236,314.25
24	Escalation @6%for 2022-23				250,493.10
25	Escalation @6%for 2023-24				265,522.69
A	Escalation @6%for 2024-25				281,454.05
B	Stock, Storage & Insurance @ 3% of A				8,443.62
C	Sub Total (C=A+B)				289,897.67
D	Contingency @3% of C				8,696.93
E	T & P 2% of C				5,797.95
F	Transportation @ 7.5% of C				21,742.33
G	Erection Charges for PSC Pole @ 20%				876.64
H	Erection Charges of DTR and Joist Poles @ 5%				6,255.96
I	Erection Charges of other @ 10%				16,039.53
J	Sub Total				349,307.01
K	Transportation + Labour cost of Dismatled materials(detail as per estimate)				1,180.00
L	Total Rs.				350,487.01
M	Salvage value of Dismantled material				618.40
N	Total Material cost after deduction of salvage value				349,868.61
26	Material cost for Concreting of GI Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)@6500	No	3	2215.00	6,645.00
27	Material cost for Concreting of 9 Mtr. PSC Pole 1.8 Mtrx0.4 Mtr.x0.54 Mtr=0.45 cum(PCC 1:3:6)@6500	No	1	2215.00	2,215.00
28	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:2:4)@6500	No	2	965.00	1,930.00
					10,790.00
	Total Rs.				360,658.61
SCOPE [B]	Construction of 25 KVA (BIS energy Level-II) sub station -1 No.				
1	150x150 mm 11 Mtr. Long GI Joist Pole(34.6 Kg/mtr.)	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	11 KV 55 sq. mm XLPE insulated AAA Conductor	Km	0.040	75920.00	3,036.80
5	Disc insulator(T&C)45 KN Polymer	No	3	860.00	2,580.00
6	100x50x6 mm GI Channel(each 2.8 Mtr. Long(9.2 Kg/Mtr.)2 Nos.	Kg	103.04	75.00	7,728.00

7	75x40x6 GI Angle(each 2.8 Mtr. Long(6.8 Kg/Mtr.)with side angle	Kg	76.16	75.00	5,712.00
8	50x50x6 mm GI Angle(each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	50.4	75.00	3,780.00
9	HT Stay set complete	Set	2	1050.00	2,100.00
10	7/10 SWG Stay wire	Kg	20	75.00	1,500.00
11	HT Stay Insulator	No.	2	50.00	100.00
12	HT stay clamp	Pair	2	125.00	250.00
13	11 KV 3 pole 200 A AB switch,50 Hz	Set	1	7350.00	7,350.00
14	11 KV 3 pole 200 A HG Fuse with PI	Set	1	6120.00	6,120.00
15	Lightning arrestor ,12 KV- 5 KA	No	3	2250.00	6,750.00
16	GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long	No	5	1050.00	5,250.00
17	50x6 mm GI flat for earthing	Kg	20	75.00	1,500.00
18	No.6/8 GI wire	Kg	20	75.00	1,500.00
19	LT distribution Box with MCCB,Aluminium Bus bar of single-bay with kit-kat fuse for 25 KVA Transformer	No.	1	14930.00	14,930.00
20	25 KVA 11/0.4 KV Transformer(BIS Energy Level-II)	No.	1	53800.00	53,800.00
21	GI nut,bolt & washer	Kg	15	78.00	1,170.00
22	3.5 core 95 sq. mm LT PVC cable(unarmoured)	Mtr	15	333.00	4,995.00
23	Cable sockets	Nos	32	52.00	1,664.00
24	Earthing materials	No	5	1890.00	9,450.00
25	Danger Plate	No	2	80.00	160.00
26	Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support)	Kg	4	80.00	320.00
27	Sundries	LS	1	2000.00	2,000.00
28	TOTAL MATERIAL COST				201,825.80
29	Escalation @6%for 2019-20				213,935.35
30	Escalation @6%for 2020-21				226,771.47
31	Escalation @6%for 2021-22				240,377.76
32	Escalation @6%for 2022-23				254,800.42
33	Escalation @6%for 2023-24				270,088.45
A	Escalation @6%for 2024-25				286,293.75
B	Stock, Storage & Insurance @ 3% of A				8,588.81
C	Sub Total (C=A+B)				294,882.57
D	Contingency @3% of C				8,846.48
E	T & P 2% of C				5,897.65
F	Transportation @ 7.5% of C				22,116.19

G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				8,100.93
I	Erection Charges of other @ 10%				13,286.40
J	Sub Total				353,130.22
34	Material cost for Concreting of GI Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)@6500	No	2	2215.00	4,430.00
35	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
36	Boundary wall ,sand filling and metal spreading,Fixing of Iron Grill gate etc.	No	1	35000.00	35,000.00
					394,490.22
SCOPE [C]	LT LINE				
1	9 mtr Long 116x100 mm RS Joist Pole(34.6 Kg/Mtr.)	No.	5	20241.00	101,205.00
2	LT XLPE AB cable(3x50+1x35+1x16) sq. mm	Km	0.18	140000.00	25,200.00
3	Dead end clamp	No.	4	65.00	260.00
4	Suspension clamp with I hook	No.	3	340.00	1,020.00
5	Pole clamp with I hook(ABC)	Pair	7	200.00	1,400.00
6	Insulated piercing connector.Type-A-main 16 to 95 sq.mm & Tap-16 to 95 sq.mm	No	3	80.00	240.00
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	1	33.00	33.00
8	LT Stay set complete	Set	3	520.00	1,560.00
9	7/12 SWG GI stay wire	Kg	30	75.00	2,250.00
10	LT stay insulator	No.	3	110.00	330.00
11	LT stay clamp	No.	3	30.00	90.00
12	GI nut,bolt of assorted size	Kg	15	78.00	1,170.00
13	Earthing support coil type	No.	5	166.00	830.00
14	Sundries for survey, tree cutting , insulated tape,mceal compound etc.	Ls	1	2000.00	2,000.00
15	Total Rs.				137,588.00
16	Escalation @6%for 2019-20				145,843.28
17	Escalation @6%for 2020-21				154,593.88
18	Escalation @6%for 2021-22				163,869.51
19	Escalation @6%for 2022-23				173,701.68
20	Escalation @6%for 2023-24				184,123.78
21	Escalation @6%for 2024-25				195,171.21
A	Total Rs.				195,171.21

B	Stock, Storage & Insurance @ 3% of A				5,855.14
C	Sub Total (C=A+B)				201,026.34
D	Contingency @3% of C				6,030.79
E	T & P 2% of C				4,020.53
F	Transportation @ 7.5% of C				15,076.98
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				7,393.40
I	Erection Charges of other @ 10%				5,315.83
J	Sub Total				238,863.87
22	Material cost for Concreting of RS Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)@6500	No	5	2215.00	11,075.00
23	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:3:6)@6500	No	3	965.00	2,895.00
	Total Rs.				252,833.87
	Sub Total Rs.				1,007,982.70
	Cess @1%				10,079.83
	Total Estimated Cost				1,018,062.52
	Total Estimated Cost in Figures				1,018,063.00
EXCESS ☐	LESS ☐ (Please Tick)	In Figure _____ % In word _____ %			
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/-
Dy. Manager (Elect)**

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