

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
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[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 ABS AT PAPDAHANDI IN THE DISTRICT OF NABARANGAPUR.

BID REF NO.-89/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.
PART-I	3 phase 3W 11 KV line with 55 sq. mm Insulated Covered Conductor -0.03 Km				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)welded base plate	No	1	34321.52	34321.52
2	Earthing Device coil type GI	No	1	235.72	235.72
3	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.262	106.50	27.90
4	11 KV 'V' cross arm(10.2 Kg each)	No.	1	1150.20	1150.20
5	11 KV F clamp 2.9 Kg each	No	1	340.80	340.80
6	GI Back clamp for 11 KV V Cross Arm	No.	1	113.60	113.60
7	Disc Insulator (B&S) 70 KN Polymer	Nos.	3	1633.00	4899.00
8	Tension assembly wedge type with Anchoring clamp for 11 KV covered conductor-55 sq. mm	Nos.	3	905.00	2715.00
9	IPC for covered conductor	Nos.	3	905.00	2715.00
10	11KV Pin Insulator polymer	No.	3	284.00	852.00
11	Non-Metalic ties for 11 KV covered conductor	Nos.	3	286.00	858.00
12	55 sq. mm Insulated Covered AAAC	Km	0.09	99740.00	9245.90
13	Bottom & Top Channel	Kg	25.87	106.50	2755.16
14	HT stay set (Complete)REC Construction standard	No.	1	1491.00	1491.00
15	HT stay Insulator, Type-C	No.	1	71.00	71.00

16	Stay clamp(1.9 Kg/Pair)	pair	1	177.50	177.50
17	7/8 SWG GI Saty wire	Kg	10	106.50	1065.00
18	GI Nuts, Bolts and washers of assorted size	Kg	4.95	110.76	548.28
19	Danger Board	No	1	113.60	113.60
20	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.3	106.50	31.95
21	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	3	113.60	340.80
22	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	1.2	106.50	127.80
23	Fish Plate for supporting LA	Kg	3.26	106.50	347.19
24	Black Paint	Ltr.	0.5	312.40	156.20
25	Yellow Paint	Ltr.	1	212.77	212.77
26	Sundries	LS	1	254.24	254.24
	A.Sub Total Rs.				65,167.12
B	Stock,storage and insurance (@3% on A)				1955.01
C	TOTAL RS.				67122.13
D	T&P @ 2% of C				1342.44
E	Contigency @ 3% of C				2013.66
F	Transportation @ 7.5% of C				5034.16
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				4944.66
H	TOTAL RS.				80457.06
27	Concreting of Poles in ratio C.C.1:1:5:3 for 13 Mtr. WPB Pole,0.375 Cum	No	1	2991.98	2991.98
28	Couping of poles in ratio 1:1:5:3 for pole 0.1125 Cum	No	1	748.00	748.00
29	Stay concreting for stud pole / stay anchor plate in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	1	1329.77	1329.77
30	Survey of incremental/delta Network and asset changes of 11 KV Network and updation in GESW databases.	No	0.03	9633.00	288.99
	Sub Total Rs.				85,815.80
PART-II	Installation of 250 KVA 11/0.4KV sub station -1 No.				
1	11 Mtr Long (160x160)mm WPB GI Pole(30.44 Kg/mtr)	No	2	34321.52	68643.04
2	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	106.50	5486.88
3	AB switch mounting GI channel(75x40x6)mm,each 2.8mtr long 2 No(6.8Kg/mtr)	K.g	38.08	106.50	4055.52

4	HG fuse mounting GI channel(75x40x6)mm,each 2.8mtr long 2 No(6.8Kg/mtr)	K.g	38.08	106.50	4055.52
5	Support Channel for AB Switch mounting Channel 75x40x6 mm Channel 75x40x6 mm ,0.4 Mtr., Long 4 Nos.(6.8 Kg/Mtr.)	K.g	10.88	106.50	1158.72
6	Cantilever GI Channel for supporting HG Fuse,75x40x6mm.-1.5 Mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	20.4	106.50	2172.60
7	Cantilever GI angle for supporting HG Fuse 50x50x6mm MS Angle 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	13.5	106.50	1437.75
8	Back clamp for Cantilever Angle	Kg.	4	113.60	454.41
9	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	Kg.	13.5	106.50	1437.75
10	Channel for AB switch Handle 75x40x6mm GI 1 Mtr. Long ,1 No.(@6.8 Kg/Mtr.)	K.g	6.8	106.50	724.20
11	GI Belting Channel 75x40x6 mm ,2.8 Mtr. Long 4 Nos.(6.8 Kg/Mtr.	K.g	76.16	106.50	8111.04
12	GI Bracing Angle for 50x50x6 mm ,3.5 Mtr. Long each, 2 Nos.(4.5 Kg/Mtr.)	K.g	31.5	106.50	3354.75
13	11KV AB switch 3 pole(400 Amp, 50 Hz)	Set	1	16827.00	16827.00
14	11KV HG fuse 3 pole(400 Amp)with PI	Set	1	16372.60	16372.60
15	11 KV LA(12 KV, 10 KA)station class	No.	3	5041.00	15123.00
16	LT Distribution Box with MCCB, Aluminium Bus Bar for 3 bay with Kitkat fuse for 250 KVA S/S .	No	1	68160.00	68160.00
17	1Cx300 sq. mm LT XLPE cable (Armoured)	Mtr.	28	542.44	15188.34
18	250 KVA, 11/0.4 KV (CU) Transformer with off load Tap changer BIS Energy Level-II, IS 1180, Ammendment-4	No	1	619789.19	619789.19
19	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1491.00	10437.00
20	25x4 mm GI flat earthing	Kg	80	106.50	8520.00
21	GI Nuts, Bolts and washers of assorted size	Kg	25	110.76	2769.00
22	Earthing Device coil type GI	No	2	235.72	471.44
23	No.6 GI wire for earthing	Kg	0.524	110.68	58.00
24	Danger Board	No.	2	113.60	227.20
25	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.599	106.50	63.79
26	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	113.60	681.60

27	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	2.407	106.50	256.35
28	Fish Plate 50x8 mm,3.14 Kg/Mtr.,each 0.280 mtr. Length	Kg	1.63	106.50	173.60
29	HT stay set (Complete)REC Construction standard	No.	4	1491.00	5964.00
30	HT stay Insulator, Type-C	No.	4	71.00	284.00
31	Stay clamp(1.9 Kg/Pair)	pair	4	177.50	710.00
32	7/10 SWG GI Saty wire, grade-2	Kg	40	106.50	4260.00
33	Black Paint	Ltr.	1	312.40	312.40
34	Yellow Paint	Ltr.	2	212.77	425.54
35	Sundries (Paint,Al. Binding tape , wire insulating tape, clamp connector, jumpering materials, socket & other accessories etc.)	LS	1	2542.37	2542.37
	A.Sub Total Rs.				890,708.59
B	Stock,storage and insurance (@3% on A)				26721.26
C	TOTAL RS.				917429.85
D	T&P @ 2% of C				18348.60
E	Contingency @ 3% of C				27522.90
F	Transportation @ 7.5% of C				68807.24
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				56288.73
H	TOTAL RS.				1088397.31
36	Stay concreting in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	4	1329.77	5319.08
37	Concreting of Poles in ratio 1:1:5:3 for WPB Pole.	No	2	2991.98	5983.97
38	Couping of poles in ratio 1:1:5:3 for WPB pole 0.1125 Cum	No	2	748.00	1496.00
39	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11200.00
40	Survey and digitization of new DSS and its internals including attrubutes.(GIS service)	No.	1	6883.00	6883.00
41	Survey and digitization of new MCCB/LTDB and its internals including attributes.	No.	1	6883.00	6883.00
42	Plinth for installation of 250 KVA DTR including all labour and material as per TPSODL Drawing and specification.	Nos.	1	32181.60	32181.60
43	LTDB Plinth as per TPSODL specification and Drawing	Nos.	1	6000.00	6000.00
44	Construction of Boundary wall for fencing of DPM S/S in the size 5x4 Mtr. @ 7300.12/RM (as per TPSODL specification)	Nos.	18	7300.12	131402.16
	Sub Total Rs.				1,295,746.11

PART-III	Construction of LT 3ph 5 W line using 3x95+1x70+1x16 sqmm XLPE AB Cable=0.28 Km				
1	9 Mtr Long (160x160)mm WPB GI Pole(30.44 Kg/mtr)	No	8	25815.00	206520.00
2	Earthing Device coil type GI	No	8	235.72	1885.76
3	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	2.100	106.50	223.65
4	Pole clamp for eye Hook for XLPE cable	No	9	284.00	2556.00
5	Dead end clamp suitable for XLPE cable	No	4	92.30	369.19
6	Eye hook	No	13	85.20	1107.64
7	Suspension clamp	No	6	482.80	2896.78
8	L.T Stay set (Complete)	Set	3	738.40	2215.20
9	L.T Stay Insulator	No.	3	42.60	127.80
10	L.T Stay Clamp(1.4 K.g/Pair)	Pair	3	156.20	468.60
11	7/12 SWG Stay Wire	Kg	24	106.50	2556.00
12	GI Nuts, Bolt and washer	Kg	8	110.76	886.08
13	3x95+1x70+1x16 sqmm XLPE AB Cable	Km	0.29	345060.00	101447.64
14	Danger Board	No.	8	113.60	908.80
15	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	2.41	106.50	256.67
16	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	24	113.60	2726.40
17	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	9.63	106.50	1025.60
18	Black Paint	Ltr.	4	312.40	1249.59
19	Yellow Paint	Ltr.	8	212.77	1702.17
20	Sundries (clamp, connectors,Binding tape etc.)	LS	1	500.00	500.00
					331629.56
	A.Sub Total Rs.				331,629.56
B	Stock,storage and insurance (@3% on A)				9948.89
C	TOTAL RS.				341578.45
D	T&P @ 2% of C				6831.57
E	Contigency @ 3% of C				10247.35
F	Transportation @ 7.5% of C				25618.38
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				23522.06
H	TOTAL RS.				407797.82
21	Concreting of Poles in ratio 1:1:5:3 for WPB Pole	No	8	2493.32	19946.56

22	Couping of poles in ratio 1:1:5:3 for PSC pole 0.1125 Cum	No	8	748.00	5984.00
23	Stay concreting in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	3	1329.77	3989.31
24	Survey of incremental / delta network and assets changes of LT network and updation in GESW database.(GIS service)	Km	0.28	9633.00	2697.24
		Sub Total Rs.			440,414.93
	Sub total Rs.				1,821,976.84
	Cess @ 1%				18,219.77
	Total Estimated Cost				1,840,196.61
	Total Estimated Cost in Figures			-	1,840,197.00
EXCESS <input type="checkbox"/> LESS <input type="checkbox"/> (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)**