

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 AMA BUS STAND AT PURUSOTTAMPUR IN THE DISTRICT OF GANJAM.

BID REF NO -76/PM/ELECT/OPHWC/2025-26

NAME & ADDRESS OF THE FIRM					
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 1 CORE X100 sq. mm XLPE covered conductor-0.3 km				
1	13 Mtr Long (160x152)mm WPB GI Pole(30.44 Kg/mtr)	No	6	40427.00	242562.00
2	Earthing Device coil type GI	No	6	235.72	1414.32
3	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	1.572	106.50	167.42
4	11 KV XLPE covered conductor 100 sq. mm	Mtr.	945	146.74	138669.30
5	Jointing Kit for covered conductor	No.	15	970.00	14550.00
6	Non metallic Ties 11 KV	No	15	286.00	4290.00
7	IPC for 11 KV 55 sq. mm covered conductor	No	15	550.00	8250.00
8	Tension Assembly wedge type with anchoring clamp for 11 KV covered conductor	No	15	905.00	13575.00
9	11 KV 'V' cross arm(10.2 Kg each)	No.	5	1150.20	5751.00
10	GI Back clamp for 11 KV V Cross Arm	No.	5	113.60	568.00
11	Top F clamp	No.	5	340.80	1704.00
12	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 4 Nos, & 0.3 Mtr. Long 4 Nos.including tapping point	Kg	88.32	106.50	9406.08
13	Disc insulator 45 KN (B&S) Polymer	No.	15	1221.20	18318.00
14	11KV Pin Insulator polymer	No.	15	284.00	4260.00
15	HT stay set (Complete)	No.	3	1491.00	4473.00
16	HT stay Insulator, Type-C	No.	3	71.00	213.00
17	Stay clamp(1.9 Kg/Pair)	pair	3	177.50	532.50
18	7/10 SWG GI Saty wire	Kg	30	106.50	3195.00
19	No.6 GI wire(Dia 4.8 mm)	Kg	58.24	106.50	6202.56
20	No. 8 GI wire for cross lacing(0.131 Kg/Mtr.)	Kg	31.44	106.50	3348.36

21	No. 10 GI wire for cross lacing binding(0.08 Kg/Mtr.)	Kg	7.8	106.50	830.70
22	No.6 GI wire for guarding earthing	Kg	80	106.50	8520.00
23	75x40x6 mm Channel st. cross arm @ 6.8 Kg/Mtr.(3.23 Mtr. Long 4 Nos. Channels) with Galvanisation for Road cross guarding	Kg	163.2	106.50	17380.80
24	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	8	1491.00	11928.00
25	Eye Hook	Nos.	16	85.20	1363.20
26	Danger Board	No	6	113.60	681.60
27	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.836	106.50	195.53
28	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	18	113.60	2044.80
29	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	7.32	106.50	779.58
30	GI Nuts & Bolts	Kg	6	110.76	664.56
31	Black paint	Ltr.	3	312.40	937.20
32	Yellow colour paint for Background	Ltr.	6	212.77	1276.62
33	Sundries	No.	1	1000.00	1000.00
	Total Rs.				529052.13
	A.Sub Total Rs.				529052.13
B	Stock,storage and insurance (@3% on A)				15871.56
C	TOTAL RS.				544923.70
D	T&P @ 2% of C				10898.47
E	Contingency @ 3% of C				16347.71
F	Transportation @ 7.5% of C				40869.28
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				42000.42
H	TOTAL RS.				655039.58
34	Stay concreting in ratio 1:2:4(0.5x0.5x0.8)Mtr. as per TPSODL specification and drawing =0.2 cum	Nos.	3	1329.77	3989.31
35	Concreting of 13 Mtr. WPB Pole in ratio 1:1:5:3=0.55 cum	Nos.	6	3656.87	21941.24
36	Couping in ratio 1:1:5:3=0.11875 Cum	Nos.	6	748.00	4488.00
37	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	8	1600.00	12800.00
38	Dismantlling of 100 sq. mm AAAC-0.15 Km,11 Mtr. WPB Pole-5 Nos.	Ls	1	9359.83	9359.83
39	Survey of incremental / delta network and assets changes of 11 KV network and updatation in GESW database.	Km	0.3	9633.00	2889.90
					55468.28
	Sub Total Rs.				710,507.86

PART-II	Installation of 250 KVA 11/0.4KV sub station - 1 No.				
1	11 Mtr Long (160x152)mm WPB GI Pole(30.44 Kg/mtr)	No	2	34321.52	68643.04
2	Pressure Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	106.50	5486.88
3	AB switch &HG fuse mounting channel GI(75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)with Galvanisation	K.g	76.16	106.50	8111.04
4	GI Bracing channel for supporting DP arm,75x40x6mm channel 2.8 mtr long,4 Nos.6.8 K.g/mtr)	K.g	76.16	106.50	8111.04
5	Cantilever GI Channel for supporting HG Fuse 75X40x6mm. 1mtr. Long 2 Nos. (6.8kg./mtr.)	Kg	13.6	106.50	1448.40
6	Cantilever GI Angle for supporting HG Fuse 50x50x6mm. 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg	9	106.50	958.50
7	Angle for cantilever arrangement for AB Switch & HG Fuse (50x50x6)mm 2 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)with Galvanisation	Kg	18	106.50	1917.00
8	Bracing Angle GI(50x50x6)mm,3.5 mtr long 2 No(4.5 Kg/mtr)	K.g	31.5	106.50	3354.75
9	Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)with Galvanisation	Kg	7	106.50	745.50
10	Disc insulator 70 KN (B&S) Polymer	No.	3	1633.00	4899.00
11	11 KV H/W fitting 70 KN (B&S) 3 bolted	No.	3	497.00	1491.00
12	11KV AB switch 3 pole(200 Amp, 50 Hz)	Set	1	10437.00	10437.00
13	11KV HG fuse 3 pole(200 Amp)	Set	1	8690.40	8690.40
14	11 KV LA(9 KV, 10 KA)	No.	3	1420.00	4260.00
15	LT Distribution box(GI) with 3 pole MCCB, aluminium Bus bar 400 Amp for 3 bay with HRC Fuse (O/G-1- 200 Amp , O/G-2 200 A, O/G-3, 160A)for 250 KVA S/S,MCCB should have integrated protection for overload, short circuit & earth fault.The GI enclosure thickness must be 3 mm and IP 55 compiled.	No	1	65265.63	65265.63
16	HT stay set (Complete)REC Construction standard	No.	4	1491.00	5964.00
17	HT stay Insulator, Type-C	No.	4	71.00	284.00
18	Stay clamp(1.9 Kg/Pair)	pair	4	177.50	710.00
19	7/10 SWG GI Saty wire, grade-2	Kg	40	106.50	4260.00

20	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1491.00	10437.00
21	Earthing Device coil type GI	No	2	235.72	471.44
22	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.524	106.50	55.81
23	25x6 mm GI Flat for earthing	Kg	60	106.50	6390.00
24	25x4 mm GI Flat for Neutral earthing	Kg	10	106.50	1065.00
25	GI Nut, Bolt & washer of assorted size	Kg	25	110.76	2769.00
26	250 KVA, 11/0.4 KV (CU) Transformer with Off load Tap changer BIS Energy Level-II, IS 1180, Ammendment-4	No	1	619789.28	619789.28
27	1.1 KV 300 sq. mm 1 core Un-Armoured Cable	Mtr.	40	290.75	11630.00
28	Danger Board	No	2	113.60	227.20
29	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	106.50	64.09
30	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	113.60	681.60
31	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	2.407	106.50	256.35
32	Black paint	Ltr.	1	312.40	312.40
33	Yellow colour paint for Background	Ltr.	2	212.77	425.54
34	Sundries(Al. binding tape, insulating Tape etc.)	No.	1	1800.00	1800.00
	Total Rs.				861411.88
	A.Sub Total Rs.				861411.88
B	Stock,storage and insurance (@3% on A)				25842.36
C	TOTAL RS.				887254.24
D	T&P @ 2% of C				17745.08
E	Contigency @ 3% of C				26617.63
F	Transportation @ 7.5% of C				66544.07
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				53271.15
H	TOTAL RS.				1051432.17
35	Stay concreting in ratio 1:2:4(0.5x0.5x0.8)Mtr. as per TPSODL specification and drawing =0.2 cum	Nos.	4	1329.77	5319.08
36	Concreting of 11 Mtr. WPB Pole in ratio 1:1:5:3=0.45 cum	Nos.	2	2991.81	5983.63
37	Couping in ratio 1:1:5:3=0.11875 Cum	Nos.	2	748.00	1496.00
38	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11200.00
39	Plinth for installation of 250 KVA DTR as per TPSODL drawing and specification.	Nos.	1	32181.60	32181.60

40	Construction of Boundary wall for fencing of 1.650 Mtr. Height with 9" wall for area (18 RM) (as per TPSODL Drawing & specification)	RM	18	7300.12	131402.16
41	Survey and digitization of new DSS and its internals including attrubutes.	Job	1	6883.00	6883.00
42	Survey and digitization of new MCCB/LTDB and its internals including attributes.	No	1	6883.00	6883.00
					201348.47
	Sub Total Rs.				1,252,780.63
PART-III	Construction of LT 3ph 5 W line using 4x95+1x95+1x16 sqmm XLPE AB Cable=0.1 Km(4 Span)				
1	9 Mtr. Long 300 KG PSC Pole	No	4	4,260.00	17,040.00
2	L.T Stay set (Complete)	Set	3	738.40	2215.20
3	L.T Stay Insulator	No.	3	42.60	127.80
4	L.T Stay clamp (1.40 K.g/Pair)	Pair	3	156.20	468.60
5	7/12 SWG Stay Wire ,Grade-2	Kg	21	106.50	2236.50
6	4x95+1x95+1x16 sqmm AB Cable	Km	0.11	370016.95	38851.78
7	RCC Base Plate for support	Nos.	4	361.34	1445.36
8	Earthing support coil type	No	4	235.72	942.88
9	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	1.048	106.50	111.61
10	LT distribution Box Polycarbonate	No.	4	925.00	3700.00
11	Pole clamp for eye Hook for AB cable	No.	11	284.00	3124.00
12	Dead end clamp with eye hook	No	6	92.30	553.78
13	Suspension clamp with Eye Hook	No	5	482.80	2414.00
14	Eye Hook for conductor Dead End Clamp	No	6	85.20	511.22
15	Insulated piercing connector.Type-A-main 16 to 95 sq.mm to Tap-16 to 95 sq.mm	No	8	113.60	908.81
16	Insulated piercing connector.Type-B-main 16 to 95 sq.mm to Tap-2.5 to 10 sq.mm	No	8	56.80	454.37
17	Neutral connector type B suitable for main 35-70 sq. mm AAAC & tap 2.5 to 10 sq. mm service cable cover by black weather resistant insulation cover.	No	4	46.86	187.42
18	GI Nut, Bolt & washer	Kg	8	110.76	886.08
19	Danger Board	No	4	113.60	454.40
20	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.224	106.50	130.36
21	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	12	113.60	1363.20
22	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	4.88	106.50	519.72
23	Black paint	Ltr.	2.00	312.40	624.80
24	Yellow colour paint for Background	Ltr.	4	212.77	851.08
25	Saundries	No.	1	500.00	500.00
				Total Rs.	80622.97
	A.Sub Total Rs.				80622.97

B	Stock,storage and insurance (@3% on A)				2418.69
C	TOTAL RS.				83041.66
D	T&P @ 2% of C				1660.83
E	Contingency @ 3% of C				2491.25
F	Transportation @ 7.5% of C				6228.12
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				10059.29
H	TOTAL RS.				103481.16
26	Stay concreting in ratio 1:2:4(0.5x0.5x0.8)Mtr. as per TPSODL specification and drawing =0.2 cum	Nos.	3	1329.77	3989.31
27	Concreting of PSC Pole in ratio 1:1:5:3=0.375 cum	Nos.	4	2493.32	9973.28
28	Couping in ratio 1:1:5:3=0.11875 Cum	Nos.	4	748.00	2992.00
					120435.75
	Sub Total Rs.				2,083,724.24
	Cess @ 1%				20,837.24
	Total Estimated Cost				2,104,561.48
	Total Estimated Cost in Figures				2,104,561.00
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)**