

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**JANAPATH, BHOINAGAR, BHUBANESWAR - 22****[Electrical Division]****Ph: 0674-2541545, 2542921, Fax: 0674-2541543****E-mail :- pmelectricalophwc2025@gmail.com, Website: www.ophwc.com /www.ophwc.nic.in****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 AMA BUS STAND (ABS), PHASE-II (C - TYPE) AT G. UDAYGIRI UNDER G. UDAYGIRI BLOCK IN THE DISTRICT OF KANDHAMAL.****BID REF NO.-28/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 55 sq. mm insulated XLPE Covered conductor -0.020 Km				
1	Disc insulator 45 KN (B&S) Polymer	No.	3	1221.20	3663.60
2	11 KV HW fitting (B&S)45 KN	No	3	369.20	1107.60
3	11 KV Pin insulator Polymer	No	2	284.00	568.00
4	11 KV 55 sq. mm XLPE insulated Covered conductor	Km	0.0618	99740.00	6163.93
5	IPC for 11 KV conductor	No	3	550.00	1650.00
6	Tension assembly wedge type with Anchoring clamp for 11 KV covered conductor	No.	3	905.00	2715.00
7	Non metallic Ties 11 KV (for covered conductor)	No.	2	286.00	572.00
8	HT stay set (Complete)REC Construction standard	No.	1	1491.00	1491.00
9	HT stay Insulator, Type-C	No.	1	71.00	71.00
10	Stay clamp(1.9 Kg/Pair)	pair	1	177.50	177.50
11	7/10 SWG GI Saty wire, grade-2	Kg	10	106.50	1065.00
12	GI Nuts & Bolts	Kg	2	110.76	221.52
13	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 10 Nos, & 0.3 Mtr. Long 5 Nos.including tapping point	Kg	27.6	106.50	2939.40
14	Fish Plate 50x8 mm,3.14 Kg/Mtr.,each 0.280 mtr. Length	Kg	3.768	106.50	401.29
15	Sundries (Binding tapes & others etc.)	LS	1	500.00	500.00
	Sub Total Rs.				23306.84
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	Bracing Channel 75x40x6mm GI 2.8 Mtr. Long ,2 nos.(@6.8 Kg/Mtr.)	K.g	38.08	106.50	4055.52
4	Bracing Angle 75x40x6mm GI 2.8 Mtr. Long ,2 nos.(@4.5 Kg/Mtr.)	K.g	31.5	106.50	3354.75
5	AB switch &HG fuse mounting GI channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	106.50	8111.04
6	Cantilever GI Channel for supporting HG Fuse,75x40x6mm.-1 Mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	106.50	1448.40
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	AB switch side support channel 100x50x6 mm ,9.2 Kg/Mtr.,each channel length 0.35 Mtr.,2 Nos required	Kg.	6.44	106.50	685.86
9	Channel support for down pipe 75x40x6 mm ,6.8 Kg/Mtr., each channel length 0.8 Mtr., 1 No. required.	K.g	5.44	106.50	579.36
10	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	Kg.	9	106.50	958.50
11	11 KV Pin insulator Polymer	No	3	284.00	852.00
12	Disc insulator 45 KN (B&S) Polymer	No.	3	1221.20	3663.60
13	55 sq. mm Insulated covered conductor	Km	0.05	99740.00	4987.00
14	IPC for 11 KV 55 sq. mm Cover Conductor	No.	3	550.00	1650.00
15	Tension assembly wedge type with Anchoring clamp for 11 KV covered conductor	No.	3	905.00	2715.00
16	Fish Plate 50x8 mm,3.14 Kg/Mtr.,each 0.280 mtr. Length	Kg	2.638	106.50	280.95
17	11KV AB switch 3 pole(400 Amp, 50 Hz)	Set	1	16827.00	16827.00
18	11KV HG fuse 3 pole(400 Amp)with PI	Set	1	16372.60	16372.60
19	11 KV LA(9 KV, 10 KA)	No.	3	1419.49	4258.47
20	HT stay set (Complete)REC Construction standard	No.	4	1491.00	5964.00
21	HT stay Insulator, Type-C	No.	4	71.00	284.00
22	Stay clamp(1.9 Kg/Pair)	pair	4	177.50	710.00
23	7/10 SWG GI Saty wire, grade-2	Kg	40	106.50	4260.00
24	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

25	LT Distribution box(GI) with 3 pole MCCB(I/C 400 amp), aluminium Bus bar 400 Amp , for 3 bay with HRC Fuse (O/G-1- 200 Amp, O/G-2- 200 Amp, O/G-3-160 Amp for 250 KVA S/S,MCCB should have integrated protection for overload, short circuit & earth fault. The GI enclosure thickness must be 3 mm thickness & IP 55 compiled.	No	1	65265.63	65265.63
26	1Cx300 sq. mm LT XLPE cable 4 nos. 10 Mtr. Each	Mtr.	40	542.44	21697.60
27	Earthing Device coil type GI	No	2	235.72	471.44
28	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
29	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1491.00	10437.00
30	50x6 mm GI flat earthing	Kg	82.6	106.50	8796.90
31	Danger Board	No.	2	113.60	227.20
32	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
33	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	113.60	681.60
34	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	106.50	256.35
35	GI Nuts, Bolts and washers of assorted size	Kg	25	110.76	2769.00
36	Black paint	Ltr.	1	312.40	312.40
37	Yellow colour paint for background	Ltr.	2	212.77	425.54
38	Sundries (clamp, connectors,Binding tape etc.)	LS	1	1500.00	1500.00
	A.Sub Total Rs.				890,335.55
PART-III	Construction of LT 3ph 5 W line using 3x95+1x70+1x16 sqmm XLPE AB Cable=0.060+LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable0-0.070 Km				
1	9 Mtr Long 300 KG PSC Pole	No	4	4260.00	17040.00
2	RCC Base Plate	No	4	361.34	1445.36
3	L.T Stay set (Complete)	Set	5	738.40	3692.00
4	L.T Stay Insulator	No.	5	42.60	213.00
5	L.T Stay Clamp(1.4 K.g/Pair)	Pair	5	156.20	781.00
6	7/12 SWG Stay Wire	Kg	40	106.50	4260.00
7	3x95+1x70+1x16 sqmm XLPE AB Cable	Mtr.	63.00	345.06	21738.78
8	3x50+1x35+1x16 sqmm XLPE AB Cable	Mtr.	73.50	198.80	14611.80
9	Pole clamp for eye Hook for XLPE cable	No	8	284.00	2272.00
10	Dead end clamp suitable for XLPE cable	No	8	177.50	1420.00
11	Earthing Device coil type GI	No	4	235.72	942.88
12	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.048	106.50	111.61
13	GI Nuts, Bolt and washer	Kg	2	110.76	221.52

14	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	12	113.60	1363.20
15	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	4.8144	106.50	512.73
16	Danger Board	No.	4	113.60	454.40
17	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	1.204	106.50	128.23
18	Black paint	Ltr.	2	312.40	624.80
19	Yellow colour paint for background	Ltr.	4	212.77	851.08
20	Sundries (clamp, connectors,Binding tape etc.)	LS	1	500.00	500.00
	Sub Total Rs.				73184.39
	A. Sub Total Rs.				986,826.79
B	Stock,storage and insurance (@3% on A)				29604.80
C	TOTAL RS.				1016431.59
D	T&P @ 2% of C				20328.63
E	Contingency @ 3% of C				30492.95
F	Transportation @ 7.5% of C				76232.37
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				67944.16
H	TOTAL RS.				1211429.70
21	Concreting of 11 Mtr. WPB Pole in ratio 1:1:5:3(500x500x1800 mm)=0.55 cum+Couping in ratio 1:1:5:3=0.1125 Cum @6648.85	Nos.	2	3739.98	7479.96
22	Concreting of Poles in ratio 1:1:5:3 for 9M/8M PSC Pole,0.375 Cum	No	4	2493.32	9973.28
23	Couping of poles in ratio 1:1:5:3 for PSC pole 0.1125 Cum	No	4	748.00	2992.00
24	Stay concreting in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	10	1329.77	13297.70
25	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11200.00
26	Plinth for installation of 250 KVA DTR	Nos.	1	28000.00	28000.00
27	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
28	Survey and digitization of New DSS and its internals including attributes.	Nos.	1	6883.00	6883.00
29	Survey of incremental / delta network and assets changes of LT network and updatation in GESW database.	Km	0.11	9633.00	1059.63

30	Survey of incremental / delta network and assets changes of HT network and updation in GESW database.	Km	0.02	9633.00	192.66
	Sub Total Rs.				1,423,910.09
	Cess @ 1%				14,239.10
	Total Estimated Cost				1,438,149.19
	Total Estimated Cost in Figures				1,438,149.00
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)**