

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					
PRICE BID FOR THE WORK UNDER SL. NO :- 06 AS PER IFB					
NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO SECURITY TRAINING CENTRE AT S.O.G CHANDAKA, BHUBANESWAR IN THE DISTRICT OF KHURDA.					
BID REF NO :-54/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.
A	11 KV PIN POINTS WITH WPB				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	36,804.27	36,804.27
2	11 KV V cross arm	No	1	1,150.20	1,150.20
3	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	1	213.00	213.00
4	Danger plate	No	1	113.60	113.60
5	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.3	106.50	31.95
6	GI barbed wire/Anticlimbing device	No	3	113.60	340.80
7	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	1.2	106.50	127.80
8	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	3	284.00	852.00
9	Earthing of Support (Coil Type)	No	1	235.72	235.72
10	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.262	106.50	27.90
11	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	1.45	110.76	160.60
12	80 sq. mm AAAC	Km	0.09	61,060.00	5,660.26
13	Yellow colour paint for Background	Ltr	2	216.00	432.00
14	Black colour paint for numbering	Ltr	1	312.40	312.40

15	Polycarbonate Bird Guard	No	3	29.40	88.20
A	A. Sub total				46,550.71
B	B. Stock, Storage & Insurance @ 3% of A				1,396.52
C	Sub Total (C=A+B)				47,947.23
D	T&P @ 2% of C				958.94
E	Contingency @ 3% of C				1,438.42
F	Transportation @ 7.5% of C				3,596.04
	Erection Charges @ 5% on poles				1,895.42
G	Erection Charges @ 10%				1,003.88
H	Total				56,839.93
16	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.45	6648.85	2991.98
17	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.1125	6648.85	748.00
	Total Material + Services Cost (J+K)				60,579.91
II	INSTALLATION OF 250 KVA S/S.				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	36,804.27	73,608.54
2	9 Mtr Long 300 KG PSC Pole(For raising of LT ABC)	No	2	4,260.00	8,520.00
3	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	3	284.00	852.00
4	Eye Hook for XLPE Aerial Bunched Cable	No	3	85.20	255.60
5	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	3	92.30	276.90
6	LT Cable raising Channel(GI) 75x40x4.8 mm GI Channel(GI) (1000 mm long)(7.14Kg./Mtr., 6 No's.) (Each 6x1.000x7.14= 42.84 Kg)	Kg	42.84	106.50	4,562.46
7	Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)	Kg	57.36	106.50	6,108.84
8	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	106.50	422.25
9	MU channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4,562.46
10	AB Switch Mounting Channel(GI) 75x40x4.8 mm GI Channel(GI) (3000 mm long)(7.14Kg./Mtr., 2 No's.) (Each 2x3.000x7.14= 42.84 Kg)	Kg	42.84	106.50	4,562.46
11	AB Switch Side Support Channel(GI) 100X50X6mm,9.56 KG/Mtr., each Channel(GI) length 0.35 mtr., 2 no's Channel(GI) required =(9.56x2x0.35)	Kg	6.69	106.50	712.49

12	Channel(GI) Support for down Pipe 75X40X 4.8mm., 7.14KG/Mtr., each Channel(GI) length 0.8 Mtr., 1 no's Channel(GI) required =(7.14x0.8x1)	Kg	5.71	106.50	608.12
13	HG/ DO Fuse Mounting Channel(GI) 75x40x4.8 mm GI Channel(GI) (3000 mm long)(7.14Kg./Mtr., 2 No's.) (Each 2x3.000x7.14= 42.84 Kg)	Kg	42.84	106.50	4,562.46
14	Cantilever Support Channel(GI) 75x40x4.8 mm GI Channel(GI) (810 mm long,2 No's.) (7.14Kg./Mtr., 2 No's.) (Each 2x0.810x7.14= 11.57 Kg)	Kg	11.57	106.50	1,232.21
15	Cantilever Support Angle(GI) 50 X 50 X 6MM GI (1282 mm long) (4.5Kg./Mtr, 2 No's.) (Each 2x1.282x4.5= 11.54Kg)	Kg	11.54	106.50	1,229.01
16	Double Pole Belting Channel(GI) 75X40X 4.8mm., 7.14KG/Mtr., each Channel(GI) length 3.0 Mtr., 2 no's Channel(GI) required =(7.14x3x2)	Kg	42.84	106.50	4,562.46
17	50x50x6mm.GI Bracing Angle(GI), 4.5Kg./mtr., each Angle(GI) length 3.512 mtr., 2 nos Angle(GI) required = (4.5x3.512x2)	Kg	31.61	106.50	3,366.47
18	50x6mm GI Flat for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36	Kg	154.82	106.50	16,488.33
19	250 KVA , 11/0.4 KV (CU) Transformer BIS Energy Level-II	No	1	619,789.27	619,789.27
20	LT Distrubution Box with MCCB, Aluminim Busbar of 3 Bay with kit kat Fuse for 250 KVA S/S.	No	1	68,160.00	68,160.00
21	55 sq. mm AAAC XLPE covered conductor	Mtr	50	99.74	4,987.00
22	1Cx400 sq. mm LT XLPE cable	Mtr	120	363.08	43,569.60
23	LT Cable Supporting Channel(GI) 100 X 50 X 6 MM GI Channel(GI) (2000 mm long)(9.56 Kg./Mtr., 2 No's.) (Each 2x2x9.56= 28.56 Kg)	Kg	38.24	106.50	4,072.56
24	LT Cable Supproting Angle(GI), 50x50x6mm.GI 4.5Kg./mtr., each Angle(GI) length 2 mtr., 4 nos Angle(GI) required = (4.5x4x2)	Kg	36	106.50	3,834.00
25	Supply of 1.1kV, 4Core, 150 sqmm, XLPE insulation armoured -Aluminium UG cable from LTDB to Pole	Mtr.	60	805.08	48,304.80
26	11 KV AB switch (200 Amp, 3 pole)	Set	1	10,437.00	10,437.00
27	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	8,690.00	8,690.00
28	Wedge connector for 55 sq. mm conductor	EA	6	100.00	600.00
29	Polycarbonate Bird Guard	No	6	29.40	176.40

30	11 KV Disc insulator polymer type 70 KN	No	3	1,633.00	4,899.00
31	11 KV H/W fitting polymer type	Pair	3	497.00	1,491.00
32	11 KV LA (12KV,10 KA)station class-2	No	3	5041.00	15123.00
33	11 KV Pin Insulator polymer type	No	3	284.00	852.00
34	HT Stay Set (Complete)	Set	2	1491.00	2982.00
35	HT Stay Insulator	No.	2	177.50	355.00
36	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	71.60	143.20
37	7/10 SWG Stay Wire	KG	30	106.50	3,195.00
38	GI Pipe for earthing 40mm dia 3mtr long	No	7	1,491.00	10,437.00
39	GI Nut, Bolt & washers of different sizes	Kg	25	110.76	2,769.00
40	GI barbed wire/Anticlimbing device	No	6	113.60	681.60
41	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.4072	106.50	256.37
42	Danger plate	Kg	2	113.60	227.20
43	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.6018	106.50	64.09
44	Name Plate	No	1	113.60	113.60
	Structure Numbering and marking				
45	Yellow colour paint for Background	Ltr	2	216.00	432.00
46	Black colour paint for numbering	Ltr	1	312.40	312.40
A	A. Sub total				993,447.13
B	B. Stock, Storage & Insurance @ 3% of A				29,803.41
C	Sub Total (C=A+B)				1,023,250.54
D	T&P @ 2% of C				18,219.88
E	Contingency @ 3% of C				30,697.52
F	Transportation @ 7.5% of C				76,743.79
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				35,709.98
H	Erection Charges @ 20% on PSC Poles				1,755.12
I	Erection Charges @ 10% for other materials				18,801.86

J	Total				1,205,178.69
47	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6648.85	5,983.97
48	Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu. Mtr	0.226	6648.85	1,502.64
49	PCC ratio 1:3:6(M-10) grade for DSS area (3.5x2.5x0.1)=0.875 Cu Mtr.	Cu. Mtr	0.875	5247.48	4,591.55
50	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x900 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	2	2301.53	4,603.06
51	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	7	3784.73	26,493.11
52	LT DB Plinth	No	1	6000.00	6,000.00
53	DTR Plinth upto 1000 KVA	No	1	28000.00	28,000.00
54	Laying of 4Cx150 sq.mm LT XLPE cable	Mtr.	60	73.65	4,419.00
55	Laying of 1Cx400 sq.mm LT XLPE cable	Mtr.	120	96.66	11,599.20
56	Supply and Erection of GI fencing with Gate	Sq. Mtr.	18	3682.44	66,283.92
57	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm)=0.45 Cu. Mtr.	Cum	0.75	6648.85	4,986.64
58	Supply of AL Lugs suitable for 400 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.	No	16	322.21	5,155.36
59	Supply of AL Lugs suitable for 150 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.	No	24	156.50	3,756.00
60	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 1C 300-1000 sqmm including making hole in Base plate and dressing of cable along with vermin proofing properly .Supply to be done as per TPCODL Spec and approved make dowells.	No	8	1227.48	9,819.84
61	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 3.5/4C 120-185sqmm including making hole in Base plate and dressing of cable along with vermin proofing properly .Supply to be done as per TPCODL Spec and approved make dowells.	No	3	920.61	2,761.83
					185,956.11

	Sub total Rs		1,391,134.80
	Total Rs.		1,451,714.71
	Cess @ 1%		14517.15
	Total Estimated Cost		1,466,231.86
	Total Estimated Cost in Figures		1,466,232.00
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)**