

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 TO CATER POWER SUPPLY TO ATAL BUS STAND (C-TYPE) AT TURUKUPETA UNDER BANDHUGAON BLOCK IN THE DISTRICT OF KORAPUT.

BID REF NO.- 53/PM/ELECT/OPHWC/2026-27

**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.
I	Construction of 11KV Line				
1	WPB GI Pole160X152(11 Mtr. Long, 30.44 Kg/Mtr.)	No	9.00	27300.82	2,45,707.40
2	WPB GI Pole160X152(9 Mtr. Long ,30.44 Kg/Mtr.)	No	2.00	22491.30	44,982.59
3	Danger Plate	No	11.00	180.00	1,980.00
4	Back Clamp for danger Plate 25x3mm Flat	Kg	3.31	78.00	258.18
5	GI barbed wire/Anticlimbing device	Kg	33.00	74.00	2,442.00
6	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	13.24	78.00	1,032.72
7	11 KV, 5KN pin insulator polymer	No	6.00	140.00	840.00
8	Earthing of Support (Coil Type)	No	11.00	164.00	1,804.00
9	No-8 GI wire (0.131 Kg/mtr.)	kg	2.88	74.00	213.27
10	80 Sq. mm AAAC	Ckm	0.03	62540.00	1,932.20
11	Wedge Connector for 80-100 sq.mm. Conductor.	No	12.00	138.00	1,656.00
12	H.W fittings(B&S) 90KN , 4Bolt	No	12.00	631.00	7,572.00
13	Disc. Insulator 90 KN Polymer	No	12	289.00	3,468.00
14	HT Stay Clamp	Pair	2.00	260.00	520.00
15	HT 11 KV Stay Set (Complete)	No	2.00	1434.00	2,868.00
16	HT Stay Insulator	No	2.00	87.00	174.00
17	7/10 SWG Stay Wire , 15 Kg/stay	Kg	20.00	77.00	1,540.00
18	Top Channel 100x50x5 mm 9.56Kg/mtr	Kg	114.72	78.00	8,948.16
19	Double Pole Belting Channel 75x40x4.8mm	Kg	171.36	78.00	13,366.08
20	50x50x6mm GI Bracing Angle,4.5Kg/mtr.	Kg	126.43	78.00	9,861.70
21	Back Clamp for Belting for PSC Pole	Pair	4.00	241.92	967.69
22	Fish Plate 50x8mm	Kg	10.55	78.00	822.90
23	LA (12KV, 10KA) Station Class	No	3.00	1960.00	5,880.00
24	GI Pipe earthing 40mm 3mtr Long	No	2.00	1300.00	2,600.00
25	50x6mm GI Flat for earthing,2.36kg/mtr	Kg	23.60	72.00	1,699.20

26	GI Nut, bolt & washer of different sizes	Kg	19.23	74.00	1,422.65
27	3Cx50mm ² 11KV XLPE Cable (Arm)	Mtr	273.00	859.00	2,34,507.00
28	HS Jt. Kit O/D 3Cx50 mm ² 11KV XLPE Cable	No	4.00	2060.00	8,240.00
29	7/12 SWG GI stay wire, Grade-2	Kg	130.00	79.00	10,270.00
30	Pole Clamp for I Hook for (XLPE Cable)	Pair	14.00	240.00	3,360.00
31	Eye Hook	No	14.00	75.00	1,050.00
32	Straight cross arm GI Channel 100x50x5mm, 9.56kg/mtr	Kg	22.94	78.00	1,789.63
33	J clamp for XLPE cable 25x6 mm flat	No	260	80.00	20,800.00
34	Clamp for support Strut Pole	Pair	4.00	260.00	1,040.00
35	Black paint	L	5.50	212.77	1,170.24
36	Yellow colour paint for Background	Ltr	11.00	212.77	2,340.48
37	Sundries(Binding wire, Tree Trimming)	No.	1.00	1000.00	1,000.00
					6,50,126.10
II	INSTALLATION OF 250 KVA S/S.				
38	250 KVA ,11/0.4 KV (CU) TRF BIS Level-II	No	1	619789.00	6,19,789.00
39	Pole WPB GI 160x152mm 11 Mtr (30.44 Kg/mtr)	No	2	27300.82	54,601.64
40	Top Channal 100x50x5mm	Kg	53.536	78.00	4,175.81
41	Bracing channel 100x50x5 mm	No	107.072	78.00	8,351.62
42	Bracing Angle 50x50x6mm	kg	31.5	78.00	2,457.00
43	AB Swich Mounting Channel 75x40x4.8mm GI	kg	39.984	78.00	3,118.75
44	HG Fuse mounting Channel 75x40x4.8mm	kg	39.984	78.00	3,118.75
45	AB Switch OP Pipe channel Supp 75x40x4.8mm	Kg	4.463	78.00	348.11
46	AB Swich Bottom Supp. channel 75x40x4.8mm	Kg	4.71	78.00	367.57
47	Braking Supporting Channel--Op Pipe 50x8 mm	Kg	1.549	72.00	111.53
48	Supp. Channel TPMO OP Rod 75x40x4.8mm	Kg	5.541	78.00	432.20
49	LTDB Supporting channel 75x40x4.8 mm	Kg	21.42	78.00	1,670.76
50	Fish Plate 50x8 mm	Kg	5.275	78.00	411.45
51	Back Clamp for LTDB of Length	kg	5.03	78.00	392.34
52	Danger Plate	No	2	180.00	360.00
53	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos =(1x0.59x0.510)	Kg	0.602	78.00	46.96
54	GI barbed wire/Anticlimbing device	Kg	6	74.00	444.00
55	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos =(4x0.59x0.510)	Kg	2.407	78.00	187.75
56	LA 12KV, 10KA, DH Class	No	3	1960.00	5,880.00
57	11 KV AB switch (400 Amp, 3 pole, 50 HZ)	Set	1	10972.00	10,972.00
58	11 KV HG Fuse (400 Amp, 3 pole 50HZ) with PI	Set	1	8093.22	8,093.22
59	LT Distrubution Box with MCCB, Aluminim Busbar for 250 KVA S/S.	No	1	55267.00	55,267.00
60	11 KV 5KN pin Insulator Polymer	No.	3	140.00	420.00
61	Earthing of Support (Coil Type)	No	2.00	164.00	328.00

62	No-8 GI wire (0.131 Kg/mtr.)	kg	0.26	74.00	19.39
63	HT Stay Clamp(1.95 K.g/Pair)	Pair	4	260.00	1,040.00
64	HT Stay Set (Complete)	pa	4	1434.00	5,736.00
65	11 KV Stay Insulator	No.	4	87.00	348.00
66	7/10 SWG Stay Wire	KG	40	77.00	3,080.00
67	1.1KV AI 1Cx 300 sq. mm Un-armoured Cable	Mtr	52.00	311.00	16,172.00
68	Lug AI.Crimping 300 sq.mm. XLPE Single hole	No	8	56.50	452.00
69	H/W fitting (B&S) 90KN , 4Bolt	Pair	3	631.00	1,893.00
70	Disc Insulator 90KN Polymer	No	3	289.00	867.00
71	Conductor 55 sqmm ACSR Rabbit PVC Insulator	Mtr	20.00	41.50	830.00
72	GI Nut, Bolt & washers of different sizes	No	25	74.00	1,850.00
73	40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr long.	No	7	1300.00	9,100.00
74	25x6 mm GI flat for earthing	Kg	78.523	72.00	5,653.66
75	Black Paint	Ltr	1	212.77	212.77
76	Yellow colour paint for Background	Ltr	2.00	212.77	425.54
77	Sundries	Set	1	2000.00	2,000.00
					8,31,024.81
III	LT LINE-0.21 Km(3x50+1x35+1x16) sq. mm AB Cable				
78	1.1 KV LT AB cable 3x50+1x35+1x16 sqmm.	Mtr.	0.21	186000.00	39,060.00
79	9 Mtr. Long 300 KG PSC Pole	No	6	3630.00	21,780.00
80	Base Plate for PSC Pole	No	6	361.34	2,168.03
81	L.T Stay set (Complete)	Set	3	736.00	2,208.00
82	7/12 SWG Stay Wire	Kg	24	79.00	1,896.00
83	L.T Stay Clamp(1.4 K.g/Pair)	Pair	3	350.00	1,050.00
84	L.T Stay Insulator	No.	3	19.00	57.00
85	Pole clamp for eye Hook for AB cable	Pair	8	240.00	1,920.00
86	Eye hook for XLPE Aerial bunched Cable	No.	4	75.00	300.00
87	Dead end clamp suitable for LT ABC cable 25-95mm2	No.	4	217.00	868.00
88	Suspension clamp with I Hook for ABC	No.	4	193.00	772.00
89	Cable 1.1 KV AI 4C x25 sq.mm. Armoured.	Mtr.	8	194.00	1,552.00
90	Cap Cable End for ABC 35 sq. mm	No	8	9.71	77.69
91	Dist Box LT Polycarbonate 10 Way	No.	4	920.00	3,680.00
92	IPC Type-B main 16 to 150 sq.mm. & Tap-4 to 50 sq. mm.	No.	16	98.20	1,571.25
93	IPC Type-B main 10 to 95 sq.mm. & Tap-1.5 to 10(16) sq. mm. (street Light)	No.	1	34.25	34.25
94	IPC Type-B main 25 to 150 sq.mm. & Tap-25 to 150 sq. mm. (Cable to cable)	No.	3	98.35	295.04
95	Buckles for steel strap	No.	0.2	705.00	141.00
96	Steel Strap size 20mm x 50m Long	Rol	0.2	1584.03	316.81
97	Earthing support coil type	No	6	164.00	984.00
98	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	1.572	74.00	116.33

99	Danger Board	No	6	180.00	1,080.00
100	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	1.806	78.00	140.87
101	GI barbed wire/Anticlimbing device	No	18	74.00	1,332.00
102	Back Clamp for barbed wire anticlimbing device 25x3mm Flat.	Kg	7.221	78.00	563.24
103	GI Nut, Bolt & washer	Kg	5.5	74.00	407.00
104	Black paint	Ltr.	3	212.77	638.31
105	Yellow colour paint for Background	Ltr.	6	212.77	1,276.63
106	Saundries(Binding wire,. Tree Trimming)	No.	1	500.00	500.00
					86,785.46
IV	11KV UG Cable Using 3Cx185 Sq.mm. XLPE Cable.				
107	3Cx 185mm ² 11KV XLPE Cable (Arm)	Mtr	140	1465.00	2,05,100.00
108	Heat Shrinkable jointing kit for 3Cx185 mm ² 11KV XLPE cable (outdoor type)	No	4	2850.00	11,400.00
109	Clamp for pipe	No	8	118.40	947.19
110	Lightning Arrester (12KV, 10KA) Station Class	No	6	1960.00	11,760.00
111	GI Pipe earthing 40mm dia medium gauge 2.5mtr Long	No	2	1300.00	2,600.00
112	50x6mm GI Flat	Kg	42.48	72.00	3,058.56
113	Sundries	Ls	1	1000.00	1,000.00
					2,35,865.75
A	TOTAL MATERIAL COST				18,03,802.12
B	Stock, Storage & Insurance @ 3% of A				54,114.06
C	Sub Total (C=A+B)				18,57,916.18
D	Contingency @3% of C				55,737.49
E	T & P 2% of C				37,158.32
F	Transportation @ 7.5% of C				1,39,343.71
G	Erection Charges for PSC Pole @ 20%				4,486.68
H	Erection Charges of DTR and Joist Poles @ 5%				49,701.65
I	Erection Charges of other @ 10%				84,144.97
J	Sub Total Rs.				22,28,489.01
	Civil Item				
114	Stay concreting in ratio 1:2:4	No	9	1300.00	11,700.00
115	Supply & installation of earthing pipe with 40mm dia 3Mtr long Class-B GI Pipe(Jindal/Tata/Sail/Rln) with earth chamber as per specification and drawing (each pit resistance will be measured and recorded and shall be as per scope electrode, earthing compound 25Kg bentonide power, Nuts-Bolts,40 mm dia 3mtr GI Pipe & PVC pipe PCC and brick work for earthing chamber (size 2'x2') and RCC or other suitable slab cover and within limit to be achieved by BA. scope of work also includes leveling & ramming of earthanf removal of extra malba .	No	11	5100.00	56,100.00
116	Concreting of poles in ratio 1;1;5;3, for 11mtr WPB, 11 Mtr H Pole 0.45 Cum	No	11	2991.98	32,911.81

117	Concreting of poles in ratio 1;1;5;3, for 9mtr WPB, 9/8 Mtr PSC Pole 0.375 Cum	No	8	2493.32	19,946.58
118	Couping of pole in ration 1;1;5;3, for 13,11mtr WPB & 10.9.8mtr PSC Pole 0.1125 Cum	No	19	748.00	14,212.00
119	Construction of LTDB Plinth (250KVA)	No	1	7000.00	7,000.00
120	Civil cost for making TRF plinth (250KVA)	No	1	28000.00	28,000.00
121	Brick boundary wall fencing with Gate, sand & Metal Spreading	Mtr	18	7300.08	1,31,401.37
122	Survey and digitization of New DSS and its internal attibutes	No	1	6883.00	6,883.00
123	Survey of incremental/delta network and assets changes of 11kv network and updation in GESW database.	Km	0.14	9633.00	1,348.62
124	Survey of incremental/delta network and assets changes of LT network and updation in GESW database.	Km	0.2	9633.00	1,926.60
					3,11,429.98
I	11KV UG cable				
125	Supply & Laying of pipe HDPE 160 mm Dia PN8, PE 80 through HDD method including making Trenchless ducts with 160mm Dia HDPE Pipe casing using HDD machine including supply of HDPE pipe as per IS 4984.(providing parabolic graph included in the scope)	Mtr	80.00	2695.00	2,15,600.00
126	Supply & laying/ Mounting and fixing of HDPE Pipe-160mm Dia and sealing of the same for LT/HT cables. Scope also including Providing and laying all required consumable etc. for collar fixing and sealing of pipe.	Mtr	32.00	1265.00	40,480.00
127	Supply and installation of cable Route marker including transportation from site/tent, excavation refilling, disposing of malba, flooding with water, ramming/compacting of foundation as per standard specificatios and drawing.	Nos	4.00	1035.20	4,140.80
128	Excavation of cable trench length (3 mtr W x3mtr D) by providing all necessary tool, Manpower, pump etc. suitable for HT & LT cable laying . Scope also includes supply of necessary barricades at the excavation site.	M3	32.40	716.03	23,199.37
129	Provide all necessary, manpower , Tool, Tackles, Barricades, Dewatering pump, Gunny bags, Compressor for excavation (3mtr Wx3mtr D) in Hard surface.	M3	10.80	1759.40	19,001.52
130	Back fill the cable excavation site with same earth (3 mtr Wx 3mtr D) including all necessary tools, Machinery & Manpower for the activity.	No	34.56	204.58	7,070.28
131	Supply all materials required for back filling and has to carry out the job of backfilling with sand, as per DISCOM Standards.	M3	2.70	3068.70	8,285.49
132	PCC (1:3:6 (M-10 Grade)) below trench (Length 2800mm, width 2800mm, thickness 75 mm throughout)	M3	2.35	5247.50	12,342.12
133	Brick work Both Sides (2.8mtr Lx0.19 mtr Wx0.5 mtr D) with F.P.S bricks of class designation 75mm in Cement mortar 1:4 (1 cement: 4 Coarse sand) as per standard specifications including supply of all material.	M3	2.13	6901.50	14,686.39

134	15 mm Cement plaster, All sides (2.83+0.21 mtr LX 0.5 mtr W) on through side of single brick wall of mix-1:4 (1 cement :4 Fine sand(50% fine:50%coarse) as per standard specification including supply of all material.	M2	12.16	381.54	4,639.53
135	Supply and erection of material for RCC partition slab 800mmx250mmx75mm (M-25 grade)-12 Nos with supply of all civil material (Cement, Sand & 10 to 12 mm stone aggregate), with 8mm dia R/F cutting & bending etc.	M2	9.60	4188.10	40,205.76
	Total Rs.				3,89,651.27
	Sub Total Rs.				29,29,570.26
	Cess @ 1%				29,295.70
	Total Estimated Cost				29,58,865.96
	Total Estimated Cost in Figures				29,58,866.00
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)