

**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 :- 03 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO TEMPORARY ACCOMMODATION FOR CAPF AT BUDHAKHOL IN THE DISTRICT OF BOUDH.**

**BID REF NO.- 60/PM//ELECT/OPHWC/2024-25**

**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.
<b>PART-I</b>	<b>3 phase 3W 11 KV line with 3 C 50 sq. mm XLPE Cable-0.17 Km Km(double circuit)</b>				
1	3Cx50 sq. mm 11 KV XLPE cable(armoured)A2XFY including cable looping ,raising and spare	Mtr.	394	552.16	2,17,551.04
2	Heat Shrinkable jointing kit for 3Cx50 sq. mm 11 KV XLPE cable(out door type)	No.	4	14890.64	59,562.56
3	clamp for pipe	No.	12	108.80	1,305.60
4	9 KV 10 KA 11 KV Lightning Arrester	No	3	1360.00	4,080.00
5	GI pipe earthing 40 mm dia medium gauge,3 Mtr. Long	No	5	1428.00	7,140.00
6	50x6 mm GI Flat for earthing	Kg	59	102.00	6,018.00
7	GI Nut, Bolt & washer	Kg	3	106.08	318.24
8	Sundries (clamp, connectors,Binding tape etc.)	No.	1	5000.00	5,000.00
					<b>3,00,975.44</b>
<b>PART-II</b>	<b>DP STRUCTURE -1 No.</b>				
1	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)	No	2	34321.52	68,643.04
2	Earthing support coil type GI	No	2	225.76	451.52
3	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.524	102.00	53.45
4	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	102.00	5,255.04
5	GI channel for supporting DP Arm(75x40x6)mm,2.8mtr long 4 Nos(6.8 Kg/mtr)	K.g	76.16	102.00	7,768.32
6	Bracing angle GI 50x50x6 mm 4 Mtr. Long ,2 Nos.(4.5 Kg/Mtr.)	Kg.	36	102.00	3,672.00
7	11 KV Pin insulator Polymer	No	3	272.00	816.00
8	HT stay set	No.	4	1428.00	5,712.00
9	HT stay Insulator, Type-C	No.	4	68.00	272.00
10	Stay clamp(1.9 Kg/Pair)	pair	4	170.00	680.00
11	7/10 SWG GI Saty wire, grade-2	Kg	40	102.00	4,080.00
12	Danger Board	No.	2	108.80	217.60

13	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
14	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	102.00	245.51
15	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	102.00	61.38
16	GI Nut, Bolt & washer	Kg	10	106.08	1,060.80
17	Sundries (clamp, connectors,Binding tape etc.)	No.	1	1000.00	1,000.00
					<b>1,00,641.47</b>
<b>PART-III</b>	<b>Construction of LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable=1.0 Km</b>				
1	9 Mtr Long 300 KG PSC Pole	No	36	4080.00	1,46,880.00
2	RCC Base Plate	No	36	361.34	13,008.24
3	Earthing Device coil type GI	No	36	225.76	8,127.36
4	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	9.432	102.00	962.06
5	Pole clamp for eye Hook for XLPE cable	No	47	272.00	12,784.00
6	Dead end clamp suitable for XLPE cable	No	21	170.00	3,570.00
7	Suspension clamp with I Hook	No.	26	462.40	12,022.40
8	3x50+1x35+1x16 sqmm XLPE AB Cable	Km	1.05	190400.00	1,99,920.00
9	L.T Stay set (Complete )	Set	20	707.20	14,144.00
10	L.T Stay Insulator	No.	20	40.80	816.00
11	L.T Stay Clamp(1.4 K.g/Pair)	Pair	20	149.60	2,992.00
12	7/12 SWG Stay Wire	Kg	160	102.00	16,320.00
13	GI Nuts, Bolt and washer	Kg	18	106.08	1,909.44
14	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	108	108.80	11,750.40
15	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	43.33	102.00	4,419.66
16	Danger Board	No.	36	108.80	3,916.80
17	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	10.83	102.00	1,104.66
18	Sundries (paint,clamp connectors, Binding tape)	LS	1	2000.00	2,000.00
					<b>4,56,647.02</b>
<b>PART-IV</b>	<b>Installation of 63 KVA 11/0.4KV sub station -1 No.</b>				
1	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)	No	2	34321.52	68,643.04
2	Earthing Device coil type GI	No	2	225.76	451.52
3	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.524	102.00	53.45
4	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	102.00	5,255.04
5	Transformer mounting GI channel(100x50x6)mm,each 2.8mtr long 2 No(6.8Kg/mtr)	K.g	51.52	102.00	5,255.04

6	AB switch &HG fuse mounting GI channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	102.00	7,768.32
7	Cantilever GI Channel for supporting AB Switch Arm,75x40x6mm.-1 Mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	102.00	1,387.20
8	Cantilever GI angle for supporting AB Switch & HG Fuse 50x50x6mm MS Angle 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	9	102.00	918.00
9	Transformer Belting GI angle 50x50x6 mm -2.8 Mtr. Long ,2 Nos. @ 4.5 Kg/Mtr.with side angle total 7 Mtr.	Kg.	31.5	102.00	3,213.00
10	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	Kg.	9	102.00	918.00
11	AB switch side support channel 100x50x6 mm ,9.2 Kg/Mtr.,each channel length 0.35 Mtr.,2 Nos required	Kg.	6.44	102.00	656.88
12	Channel support for down pipe 75x40x6 mm ,6.8 Kg/Mtr., each channel length 0.8 Mtr., 1 No. required.	K.g	5.44	102.00	554.88
13	Disc insulator 45 KN (B&S) Polymer	No.	3	1169.60	3,508.80
14	11 KV HW fitting (B&S)45 KN	No	3	353.60	1,060.80
15	11KV AB switch 3 pole(200 Amp, 50 Hz)	Set	1	9996.00	9,996.00
16	11KV HG fuse 3 pole(200 Amp)with PI	Set	1	8323.00	8,323.00
17	11 KV LA(9 KV, 10 KA)	No.	3	1332.80	3,998.40
18	HT stay set (Complete)REC Construction standard	No.	4	1428.00	5,712.00
19	HT stay Insulator, Type-C	No.	4	68.00	272.00
20	Stay clamp(1.9 Kg/Pair)	pair	4	170.00	680.00
21	7/10 SWG GI Saty wire, grade-2	Kg	40	102.00	4,080.00
22	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1428.00	9,996.00
23	25x6 mm GI flat(Neutral)	Kg	60	102.00	6,120.00
24	25x4 mm GI flat	Kg	10	102.00	1,020.00
25	55 sq. mm AAAC for jumpering	Km	0.05	40800.00	2,040.00
26	PG clamp for 55 sq. mm AAAC	Nos.	3	652.80	1,958.40
27	GI Nuts, Bolts and washers of assorted size	Kg	25	106.08	2,652.00
28	63 KVA, 11/0.4 KV (AL) Transformer with Tap changer BIS Energy Level-II	No	1	117640.00	1,17,640.00
29	LT Distribution box with MCCB, Aluminium Bus bar for single bay with Kitkat Fuse for 63 KVA S/S	No	1	24917.92	24,917.92
30	1core x95 sq. mm LT XLPE Cable(4 Nos. 10 Mtr. Each)	Mtr.	40	199.92	7,996.80
31	Danger Board	No.	2	108.80	217.60
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	102.00	61.38
33	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80

34	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	2.407	102.00	245.51
35	Sundries (clamp connector, jumpering materials, paint etc.)	LS	1	1000.00	1,000.00
					<b>3,09,223.79</b>
	A.Sub Total Rs.				<b>11,67,487.72</b>
B	Stock,storage and insurance (@3% on A)				<b>35,024.63</b>
C	TOTAL RS.				<b>12,02,512.35</b>
D	T&P @ 2% of C				<b>24,050.25</b>
E	Contingency @ 3% of C				<b>36,075.37</b>
F	Transportation @ 7.5% of C				<b>90,188.43</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>1,22,251.19</b>
H	TOTAL RS.				<b>14,75,077.58</b>
36	Stay concreting in ratio(1:2:4)as per TPCODL specification and drawing =0.2 cum	Nos.	28	1235.58	34,596.24
37	Concreting of 11 Mtr. Pole in ratio 1:1:5:3(500x500x1800mm)=0.45 cum	Nos.	4	2880.00	11,520.00
38	Concreting of PSC Pole in ratio 1:1:5:3(500x500x1800mm)=0.45 cum	Nos.	36	2400.00	86,400.00
39	Couping of poles with C.C 1:1:5:3,0.1125 cum @6400	Nos.	40	720.00	28,800.00
40	Construction of Boundary wall for fencing of DPM S/S in the size 3x3 Mtr. @ 7300.12/RM considering height above ground depth -1.2 mtr. Including the cost of fabrication ,installation of MS Gate(1.5x1.65)(as per TPSODL specification)	Nos.	12	7300.12	87,601.44
41	Supply & lying of Pipe HDPE 160 mm Dia PN4, PE 80 through HDD Method. Scope of work also includes making trenches ducts with 160 mm dia HDPE Pipe as per IS 4984, providing parabolic graph including in the scope.	Mtr.	340	2864.12	9,73,800.80
42	BA will supply & lay PVC pipes 150mm dia. BA will provide necessary Tools, Machinery & Manpower for the activity . (cable raising)	Mtr.	38	545.21	20,717.98
43	Supply & 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 specifications and drawing.	Nos.	11	1035.17	11,731.64
44	Excavation of soil & preparing of Cable looping chamber by bricks massoanry work with filling of soil & sand.	Cum	100	400.00	40,000.00

45	Materials for earthing including massonary work for eathpit ,charcoal,salt including construction of earthing chamber (size 2"x2")and RCC slab cover .	No	12	1600.00	19,200.00
					13,14,368.10
	<b>Sub Total Rs.</b>				<b>27,89,445.68</b>
	<b>Cess @ 1%</b>				<b>27,894.46</b>
	Total Estimated Cost				<b>28,17,340.13</b>
	Total Estimated Cost in Figures				<b>28,17,340.00</b>
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	_____ %			
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/-  
D.M (Elect)

Sd/-  
Project Manager (Elect)