

**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 FOR POWER SUPPLY TO 4-E TYPE QTRS. AT PATTAPUR POLICE STATION IN THE DIST. OF GANJAM.**

**BID REF NO.-30/PM/ELECT/OPHWC/2024-25**

<b>NAME &amp; ADDRESS OF THE FIRM</b>	
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**SCHEDULE OF WORKS**

<b>Sl. No.</b>	<b>Description of work</b>	<b>Unit</b>	<b>Qty.</b>	<b>Estimated Cost in Rs.</b>	
				<b>RATE IN RS.</b>	<b>AMOUNT IN RS.</b>
<b>PART-I</b>	<b>Installation of 100 KVA 11/0.4KV sub station - 1 No.</b>				
1	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)for Support	No	2	34321.52	68643.04
2	Earthing coil for support	No	2	225.76	451.52
3	Danger board	No	2	108.80	217.60
4	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.2	102.00	122.40
5	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
6	Back clamp for ACD (25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	4.8144	102.00	491.07
7	Pressure Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	102.00	5255.04
8	Transformer mounting Channel 100x50x6mm channel 2.8 mtr long,4 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	102.00	5255.04
9	AB switch &HG fuse mounting channel GI(75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)with Galvanisation	K.g	76.16	102.00	7768.32
10	Cantilever Channel for supporting HG Fuse 75x40x6mm. MS Angle 1 mtr. Long 2 Nos. (6.8kg./mtr.)with Galvanisation	Kg.	13.6	102.00	1387.20
11	Cantilever angle for supporting HG Fuse 50x50x6mm MS Angle 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)with Galvanisation	Kg.	9	102.00	918.00

12	Angel for cantilever arrangement for AB switch and HG Fuse 50x50x6mm 2 Mtr. Long each ,2 Nos.(4.5Kg./mtr)	Kg.	18	102.00	1836.00
13	GI Belting 50x50x6 mm ,angle 3.5 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg.	31.5	102.00	3213.00
14	Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)with Galvanisation	Kg	7	102.00	714.00
15	11KV Disc insulatorT & C,45 KN Polymer	No.	3	1169.60	3508.80
16	11KV H.W Fittings T&C 45KN	No.	3	176.80	530.40
17	11KV AB switch 3 pole(400 Amp, 50 Hz)	Set	1	9996.00	9996.00
18	11KV HG fuse 3 pole(400 Amp)	Set	1	8323.20	8323.20
19	11 KV LA(9 KV, 5 KA)	No.	3	1332.80	3998.40
20	HT stay set (Complete)REC Construction standard	No.	2	1428.00	2856.00
21	HT stay Insulator, Type-C	No.	2	68.00	136.00
22	Stay clamp(1.9 Kg/Pair)	pair	2	170.00	340.00
23	7/10 SWG GI Saty wire, grade-2	Kg	20	102.00	2040.00
24	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1428.00	9996.00
25	No.6 GI wire for earthing	Kg	25	102.00	2550.00
26	25x4 mm GI flat for earthing	Kg	10	102.00	1020.00
27	100 KVA, 11/0.4 KV (AL) Transformer,BIS Energy Level-II	No	1	159120.00	159120.00
28	LT Distribution box with MCCB, Aluminium Bus bar for 2 bay with Kitkat Fuse for 100 KVA S/S	No	1	33209.84	33209.84
29	120 sq. mm 3.5 core LT XLPE Cable(Un-Armoured)	Mtr.	15	568.48	8527.20
30	GI Nuts, Bolts and washers of assorted size	Kg	25	106.08	2652.00
31	Sundries (Paint,Binding wire,Insulating Tape,pole numbering etc.	LS	1	1500.00	1500.00
A.Sub Total Rs.					<b>347228.87</b>
<b>PART-II</b>	<b>3 phase 3W 11 KV line with 80 sq. mm AAAC-0.14 Km</b>				
1	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)for Support	No	4	34321.52	137286.08
2	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)for Stud	No	1	34321.52	34321.52
3	Earthing support coil type	No	5	225.76	1128.80
4	Danger Board	No	5	108.80	544.00
5	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	3.009	102.00	306.92
6	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	15	108.80	1632.00
7	Back clamp for ACD (25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	12.036	102.00	1227.67
8	100x50x6mm MS channel for straight cross arm with galvanisation (1.2 mtr. Of 6 nOs.),9.2 Kg/Mtr.	K.g	66.24	102.00	6756.48
9	11 KV 'V' cross arm(10.2 Kg each)	No.	3	1101.60	3304.80
10	GI Back clamp for 11 KV V Cross Arm	No.	3	108.80	326.40

11	Top F clamp	No.	3	326.40	979.20
12	Top Bracket(100x50x6)mm MS Channel(2 kg each)	No	2	204.00	408.00
13	Fish Plate(50x8)mm,Each 0.28 Mtr. ,0.97 Kg/Mtr.	Kg	1.6296	102.00	166.22
14	11KV Pin Insulator polymer	No.	12	272.00	3264.00
15	Disc insulator 45 KN (T&C) Polymer	No.	9	1169.60	10526.40
16	11 KV HW fitting (T&C)45 KN	No	9	176.80	1591.20
17	75x40x6 mm GI channel 1.2 Mtr. Long 2 Nos. @6.8 Kg/Mtr. For providing support for 2 Nos. Road crossing guarding	Kg	54.4	102.00	5548.80
18	Eye Hook for Guarding	No	4	81.60	326.40
19	No.6 GI wire for Road crossing guarding	Kg	30	102.00	3060.00
20	GI pipe earthing 40 mm dia medium gauge,3 Mtr. Long	No	2	1428.00	2856.00
21	25x6 mm GI flat @1.2 Kg/Mtr. For guarding earthing	Kg	30	102.00	3060.00
22	HT stay set (Complete)	No.	3	1428.00	4284.00
23	HT stay Insulator, Type-C	No.	3	68.00	204.00
24	HT Stay & stud clamp(1.9 Kg/Pair)	pair	4	170.00	680.00
25	7/8 SWG GI Saty wire, grade-2	Kg	36	102.00	3672.00
26	80 sq. mm AAA Conductor	Km	0.4326	58480.00	25298.45
27	PG clamp for 80 sq. mm AAAC	No	6	720.80	4324.80
28	GI Nut, Bolt & washer of assorted size	Kg	30	106.08	3182.40
29	Saundries(Binding wire, Insulating Tape, Pole numbering etc.	No.	1	1000.00	1000.00
					<b>261266.54</b>
<b>PART-III</b>	<b>Construction of LT 3ph 5 W line using 4x50+1x50+1x16 sqmm XLPE AB Cable=0.5 Km(15 Span)</b>				
1	8 Mtr. Long 200 KG PSC Pole(For Support)	No	15	2720.00	40800.00
2	8 Mtr. Long 200 KG PSC Pole(For Stud)	No	5	2720.00	13600.00
3	GI Base plate for support(500x500x10)mm,20 Kg	No	20	2040.00	40800.00
4	Earthing support coil type	No	20	225.76	4515.20
5	Danger Board	No	20	108.80	2176.00
6	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	12.036	102.00	1227.67
7	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	60	108.80	6528.00
8	Back clamp for ACD (25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	48.144	102.00	4910.69
9	L.T Stay set (Complete )	Set	2	707.20	1414.40
10	L.T Stay Insulator	No.	2	40.80	81.60
11	L.T Stay and stud Clamp(1.4 K.g/Pair)	Pair	7	149.60	1047.20
12	7/12 SWG Stay Wire	Kg	16	102.00	1632.00
13	4x50+1x50+1x16 sqmm XLPE AB Cable	Km	0.53	198018.01	103959.46
14	Pole clamp for eye Hook for AB cable	pair	16	272.00	4352.00
15	Suspension clamp with Eye Hook	No	11	462.40	5086.40
16	Dead end clamp for Bare messenger of ABC	No	8	88.40	707.20
17	Insulated piercing connector.Type-B-main 16 to 95 sq.mm to Tap-16 to 95 to 10 sq.mm	No	12	54.40	652.80

18	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	44.88	179.52
19	GI Nut, Bolt & washer	Kg	10	106.08	1060.80
20	Saundries(Al. Binding tape, Insulating Tape, Paint etc.	No.	1	2000.00	2000.00
					<b>236730.94</b>
	A.Sub Total Rs.				<b>845226.34</b>
B	Stock,storage and insurance (@3% on A)				<b>25356.79</b>
C	TOTAL RS.				<b>870583.13</b>
D	T&P @ 2% of C				<b>17411.66</b>
E	Contingency @ 3% of C				<b>26117.49</b>
F	Transportation @ 7.5% of C				<b>65293.73</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>72093.93</b>
H	TOTAL RS.				<b>1051499.95</b>
21	Construction of Brick wall Boundary with civil and MS material with metal and sand spreading .	Mtr.	16.00	4,725.80	75612.80
22	Construction of Plinth for 11/0.4KV ,100 KVA DSS	No	1.00	32,181.60	32181.60
23	Concreting of support C:C 1:1:5:3,0.45 cum @6400 for 8 Mtr. PSC Pole	Nos.	15	2400.00	36000.00
24	Concreting of support C:C 1:1:5:3,0.45 cum @6400 for 11 Mtr. WPB Pole	Nos.	6	2880.00	17280.00
25	Couping with C.C 1:1:5:3,0.1125 cum @6400	Nos.	21	720.00	15120.00
26	Cement concreting for stud & stay anchor Plate with C.C ,1:2:4,0.2 cum @6177.92	Nos.	13	1235.58	16062.54
27	Material for earthing including masonry work for earth pit,cement plate cover including salt, charcoal etc.	No	7	1600.00	11200.00
					<b>203456.94</b>
	Sub Total Rs.				<b>12,54,956.89</b>
	Cess @ 1%				<b>12,549.57</b>
	Total Estimated Cost				<b>12,67,506.46</b>
	Total Estimated Cost in Figures				<b>12,67,506.00</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) I/C**

**Sd/-  
Project Manager(Elect.)**