

**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 :- 07 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO RAMNAGUDA POLICE STATION IN THE DISTRICT OF RAYAGADA.****BID REF NO.-77/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 -0.05 Km Installation of Intermediate pole with cut point-1 No. and Stud Pole-2 Nos.</b>				
1	11 KV 'V' cross arm(10.2 Kg each)GI	No.	2	1101.60	2203.20
2	GI Back clamp for 11 KV V Cross Arm	No.	2	108.80	217.60
3	11 KV F clamp 2.9 Kg each	No	2	326.40	652.80
4	Top Bracket 100x50x6 mm MS channel ,2 Kg	No	4	204.00	816.00
5	11 KV Pin insulator Polymer	No	12	272.00	3264.00
6	Disc insulator 45 KN (T&C) Polymer	No.	9	1169.60	10526.40
7	11 KV HW fitting (T&C) type ,45 KN	No.	9	176.80	1591.20
8	HT stay set complete	No.	2	1428.00	2856.00
9	11KV stay insulator	No.	2	68.00	136.00
10	7/10 SWG stay wire	Kg	20	102.00	2040.00
11	HT stay clamp + stud clamp-2	pair	6	170.00	1020.00
12	Earthing Device coil type GI	No	5	225.76	1128.80
13	GI Base plate for support	No	5	2040.00	10200.00
14	GI Nuts, Bolts and washers of assorted size	Kg	10	106.08	1060.80
15	100x50x6 mm GI channel for straight cross arm(1.2 Mtr.x2 pcs)(9.2 Kg/Mtr.)for tapping/cut point pole	Kg	44.16	102.00	4504.32
16	9 Mtr. Long 300 Kg PSC Pole	No	1	4080.00	4080.00
17	11 Mtr Long (160x152)mm WPB GI Pole	No	4	34321.52	137286.08
18	55 sq. mm Insulated covered conductor	Km	0.1545	128000.00	19776.00
19	PG Clamp for 55 sq. mm Covered conductor	No	9	652.80	5875.20
20	Fish Plate 50x8 mm,0.97 Kg/Mtr.,each 0.280 mtr. Length	Kg	2.444	102.00	249.29
21	Galvanisation of RS & MS Material	Kg	34.2	13.60	465.12
22	Danger Board	No	5	108.80	544.00

23	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	1.53	102.00	156.06
24	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	15	108.80	1632.00
25	Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	6.12	102.00	624.24
26	Sundries (Paint, AI Binding tape & wire insulating tape, clamp connector ,jumping materials, socket & other accessories etc.)	LS	1	5000.00	5000.00
					<b>217905.11</b>
	A.Sub Total Rs.				<b>217,905.11</b>
B	Stock,storage and insurance (@3% on A)				<b>6537.15</b>
C	TOTAL RS.				<b>224442.26</b>
D	T&P @ 2% of C				<b>4488.85</b>
E	Contingency @ 3% of C				<b>6733.27</b>
F	Transportation @ 7.5% of C				<b>16833.17</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>15794.23</b>
H	TOTAL RS.				<b>268291.77</b>
27	Cement concrete for support with C.C.1:1:5:3 of=0.5x0.5x1.8=0.45 cum @ 6400	Nos.	4	2880.00	11520.00
28	Cement concrete for support with C.C.1:1:5:3 of=0.5x0.5x1.5=0.375 cum @ 6400	Nos.	1	2400.00	2400.00
29	Couping with C.C 1:1:5:3of=0.5x0.5x0.45=0.1125 cum @6400	Nos.	4	720.00	2880.00
30	Cement concrete for stay Anchor Plate/ stud CC foundation 1:2:4 size=0.5x0.5x0.8=0.2 cum	Nos.	2	1235.58	2471.16
31	Dismantle of 11 KV Pole	No	2	972.00	1944.00
					<b>289506.93</b>
<b>PART-II</b>	<b>Construction of LT 3ph 6 W line using 4x50+1x50+1x16 sqmm XLPE AB Cable=0.315 Km</b>				
1	9 Mtr Long 300 KG PSC Pole	No	9	4080.00	36720.00
2	L.T Stay set (Complete )	Set	5	707.20	3536.00
3	L.T Stay Insulator	No.	5	40.80	204.00
4	L.T Stay Clamp(1.4 K.g/Pair)	Pair	5	149.60	748.00
5	7/12 SWG Stay Wire	Kg	35	102.00	3570.00
6	4x50+1x50+1x16 sqmm XLPE AB Cable	Mtr.	315.00	214.00	67410.00
7	Earthing Device coil type GI	No	9	225.76	2031.84
8	GI Base plate for support	No	9	2040.00	18360.00
9	Pole clamp for eye Hook for XLPE cable	No	12	272.00	3264.00
10	Dead end clamp suitable for XLPE cable	No	6	88.40	530.40
11	Eye Hook for Dead End clamp	No	12	81.60	979.20
12	Suspension clamp with I Hook	No.	6	462.40	2774.40
13	Neutral connector ,Type-B suitable for main 35-70 sq. mm AAAC & Tap-2.5 to10 sq. mm service cable cover by black weather resistant insulation cover.	No	4	54.40	217.60

14	Insulated Piercing connector ,Type-A main 16-95 sq. mm & Tap-16 to 95 sq. mm	Mno	20	108.80	2176.00
15	GI Nuts, Bolt and washer	Kg	10	106.08	1060.80
16	Danger Board	No.	9	108.80	979.20
17	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	2.754	102.00	280.91
18	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	27	108.80	2937.60
19	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	11.016	102.00	1123.63
20	Sundries (paint,clamp connectors, Binding tape)	LS	1	4500.00	4500.00
					153403.58
	A.Sub Total Rs.				<b>153,403.58</b>
B	Stock,storage and insurance (@3% on A)				<b>4602.11</b>
C	TOTAL RS.				<b>158005.69</b>
D	T&P @ 2% of C				<b>3160.11</b>
E	Contingency @ 3% of C				<b>4740.17</b>
F	Transportation @ 7.5% of C				<b>11850.43</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>19582.73</b>
H	TOTAL RS.				<b>197339.13</b>
21	Cement concrete for support with C.C.1:1:5:3 of=0.5x0.5x1.5=0.375 cum @ 6400	Nos.	9	2400.00	21600.00
22	Cement concrete for stay Anchor Plate/ stud CC foundation 1:2:4 size=0.5x0.5x0.8=0.2 cum	Nos.	5	1235.58	6177.90
	Sub Total Rs.				<b>225,117.03</b>
<b>PART-III</b>	<b>Installation of 63 KVA 11/0.4KV sub station -1 No.</b>				
1	9 Mtr Long 300 KG PSC Pole	No	2	4080.00	8160.00
2	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	102.00	5255.04
3	Transformer mounting GI channel(100x50x6)mm,each 2.8mtr long 2 No(6.8Kg/mtr)	K.g	51.52	102.00	5255.04
4	AB switch &HG fuse mounting GI channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	102.00	7768.32
5	Cantilever GI Channel for supporting AB Switch Arm,75x40x6mm.-1 Mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	102.00	1387.20
6	Cantilever GI angle for supporting AB Switch 50x50x6mm MS Angle 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	9	102.00	918.00
7	GI Angle for cantilever arrangement for AB switch & HG Fuse 50x50x6 mm ,2 Mtr. Long each, 2 nos., (4.5 Kg/Mtr.)	Kg.	18	102.00	1836.00
8	Transformer belting GI Angle(50x50x6)mm,each 2.8mtr long 2 No(6.8Kg/mtr)	Kg.	31.5	102.00	3213.00

9	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	Kg.	13.5	102.00	1377.00
10	Disc insulator45 KN (B&S) Polymer	No.	3	1169.60	3508.80
11	11 KV HW fitting (B&S)45 KN	No	3	176.80	530.40
12	11KV AB switch 3 pole(200 Amp, 50 Hz)	Set	1	9996.00	9996.00
13	11KV HG fuse 3 pole(200 Amp)with PI	Set	1	8323.00	8323.00
14	11 KV LA(9 KV, 5 KA)	No.	3	1332.80	3998.40
15	HT stay set (Complete)REC Construction standard	No.	2	1428.00	2856.00
16	HT stay Insulator, Type-C	No.	2	68.00	136.00
17	Stay clamp(1.9 Kg/Pair)	pair	2	170.00	340.00
18	7/10 SWG GI Saty wire, grade-2	Kg	20	102.00	2040.00
19	GI pipe earthing 40 mm dia medium gauge,3 Mtr. Long	No	7	1428.00	9996.00
20	Earthing Device coil type GI	No	2	225.76	451.52
21	No. 6 GI wire for earthing	Kg	35	102.00	3570.00
22	25x6 mm GI flat(Neutral)	Kg	20	102.00	2040.00
23	GI Nuts, Bolts and washers of assorted size	Kg	25	106.08	2652.00
24	63 KVA, 11/0.4 KV (AL) Transformer with Tap changer BIS Energy Level-II	No	1	117640.00	117640.00
25	95 sq. mm 3.5 core PVC Cable(Un Armoured)	Mtr.	12	452.88	5434.56
26	Danger Board	No.	2	108.80	217.60
27	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.612	102.00	62.42
28	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	108.80	652.80
29	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.448	102.00	249.70
30	GI Base plate(500x500x10 mm) for support	No	2	2040.00	4080.00
31	Sundries (Paint, AI Binding tape & wire insulating tape, clamp connector ,jumping materials, socket & other accessories etc.)	LS	1	2500.00	2500.00
	A.Sub Total Rs.				<b>216,444.80</b>
	A.Sub Total Rs.				<b>216,444.80</b>
B	Stock,storage and insurance (@3% on A)				<b>6493.34</b>
C	TOTAL RS.				<b>222938.14</b>
D	T&P @ 2% of C				<b>4458.76</b>
E	Contingency @ 3% of C				<b>6688.14</b>
F	Transportation @ 7.5% of C				<b>16720.36</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>17075.83</b>
H	TOTAL RS.				<b>267881.24</b>

32	Construction of earthing chamber, excavation & installation of earthing pipe dia upto 100 mm dia for length of 3 mtr. with necessary nut bolt ,25 Kg betonide powder, connection & welding with incoming earth Flat.	Ls	7	1600.00	11200.00
33	Cement concrete for support with C.C.1:1:5:3 of=0.5x0.5x1.5=0.375 cum @ 6400	Nos.	2	2400.00	4800.00
34	Cement concrete for stay Anchor Plate/ stud CC foundation 1:2:4 size=0.5x0.5x0.8=0.2 cum	Nos.	2	1235.58	2471.16
35	Plinth height 2.1 Mtr. From ground level with CC as per PWD code for mounting Distribution Transformer.	Nos.	1	21270.00	21270.00
36	Filling sand @ 431.60/Cmt for(8ftx12ftx1/4ft)=48 cft=1.359 cmt	Nos.	2	587.00	1174.00
37	40 mm size HBG metal @ 981.36/cmt for (8ftx12ftx1/4ft)=48 cft	No	2	667.00	1334.00
38	Brick wall boundary with grill gate as per TPSODL (3x3)Mtr. As per TPSODL Specification.	RM	12	7300.12	87601.44
<b>Total Rs.</b>					<b>397,731.84</b>
<b>Sub Total Rs.</b>					<b>912,355.80</b>
<b>Cess @ 1%</b>					<b>9,123.56</b>
<b>Total Estimated Cost</b>					<b>921,479.36</b>
<b>Total Estimated Cost in Figures</b>					<b>921,479.00</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)**