

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.****JANAPATH, BHOINAGAR, BHUBANESWAR - 22****[Electrical Division]****Ph: 0674-2541545, 2542921, Fax: 0674-2541543****E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.com /www.ophwc.nic.in****PRICE BID FOR THE WORK UNDER SL. NO :- 05 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO DEVELOPMENT OF PLAY GROUND AT UNIT-8 BOYS HIGH SCHOOL, BHUBANESWAR IN THE DIST. OF KHURDA.****BID REF NO :-31/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>I</b>	<b>INSTALLATION OF 63 KVA S/S.</b>				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	29661.00	59322.00
2	Top Channel GI 100X50X6mm,3000 mm Long) 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =( 4x9.56x1.2)	Kg	57.36	76.00	4,359.36
3	Fish Plate 50x6mm ,2.36 Kg/mtr.,each 0.280 Mtr.,length ,6 Nos. required (6x2.36x0.280)	Kg	3.9648	97.50	386.57
4	AB switch mounting channel 75x40x4.8 mm GI channel (7.14 kg/mtr,2 Nos.)	Kg	42.84	76.00	3,255.84
5	AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.69	76.00	508.44
6	Channel support for down pipe 75x40x4.8 mm GI channel(7.14 kg/mtr,2 Nos.)each channel length 0.8 Mtr.	Kg	5.711	76.00	434.04
7	HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long ) (7.14 kg/mtr,2 Nos.)	Kg	42.84	76.00	3255.84
8	Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	76.00	879.32
9	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	76.00	877.04
10	Transformer Base GI Channel 100 X 50 X 6 MM (3000 mm long) (9.56Kg./Mtr, 2 No's.) (Each 2x3.000x9.56= 57.36 Kg)	Kg	57.36	76.00	4359.36
11	Transformer Base Support GI Channel 100 X 50 X 6 MM (515 mm long) (9.56Kg./Mtr, 2 No's) (Each 2x0.515x9.56= 9.85Kg)	Kg	9.85	76.00	748.60

12	Transformer Belting Angle 50 X 50 X 6MM GI (3000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x3.0x4.5 Kg)	Kg	27	76.00	2052.00
13	Transformer Belting Support Angle 50 X 50 X 6MM GI (580 mm long)(4.5Kg./Mtr,2 No's) (Each 2x0.580x4.5=Kg)	Kg	5.22	76.00	396.72
14	LTDB Mounting Angle 50 X 50 X 6MM GI (1000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x1x4.5 Kg)	Kg	9	76.00	684.00
15	50x6mm GI Flat for earthing, 2.36kg/mtr., (2.5x7 mtr. For mesh formation, 12 Mtr. For L.A and 2.5 Mtr for raising, 11 Mtr. For AB Switch ,2.8 Mtr. for HG Fuse, 5x2 Mtr. For DTR neutral,(13-4.5)mtr. For DTR Body, 0.500 Mtr. For LTDB & AB switch operating handle, 3 Mtr. for fencing. )	Kg	154.816	97.50	15094.56
16	63 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	112450.00	112450.00
17	LT Distribution Box with MCCB, Aluminium Busbar of single Bay with kit kat fuse for 63 KVA S/S	No	1	23818.60	23818.60
18	55mm <sup>2</sup> All Alloy Aluminum Conductor (AAAC) - PVC Insulated (50 Mtr. Each Dtr.)	Mtr	50	55.24	2762.00
19	4 Cx95 mm <sup>2</sup> LT XLPE Cable(Armoured) - FOR 63 KVA Trf.	Mtr	15	479.61	7194.15
20	11 KV AB switch (200 Amp, 3 pole)	Set	1	9555.00	9555.00
21	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7956.00	7956.00
22	PG Clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
23	Disc insulator (B&S)70 KN polymer	No	3	1495.00	4485.00
24	H W fitting (B&S)70KN(3bolted)	Pair	3	455.00	1365.00
25	11 KV LA (12KV,10 KA)station class-2	No	3	4615.00	13845.00
26	11 KV Pin Insulator polymer type	No	3	260.00	780.00
27	HT Stay Set (Complete)	Set	2	1365.00	2730.00
28	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	2	162.50	325.00
29	HT Stay Insulator	No.	2	65.00	130.00
30	7/10 SWG Stay Wire , 15 Kg/stay	KG	30	97.50	2925.00
31	GI Pipe for earthing 40mm dia 3mtr long	No	7	1365.00	9555.00
32	GI Nut, Bolt & washers of different sizes	Kg	25	101.40	2535.00
33	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
34	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	97.50	234.70
35	Danger plate	Kg	2	104.00	208.00
36	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	97.50	58.68
37	Name Plate	No	1	104.00	104.00
38	Yellow colour paint for Background	Ltr	2	216.00	432.00
39	Black colour paint for numbering	Ltr	1	286.00	286.00
<b>A</b>				<b>A. Sub total</b>	<b>304,715.81</b>

<b>B</b>	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>9,141.47</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>313,857.29</b>
<b>D</b>	<b>T&amp;P @ 2% of C</b>				<b>5,806.24</b>
<b>E</b>	<b>Contingency @ 3% of C</b>				<b>9,415.72</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>23,539.30</b>
<b>G</b>	<b>Erection Charges @ 5% for transformer and joist pole cost including stock, storage &amp; insurance @3%</b>				<b>8846.26</b>
<b>H</b>	<b>Erection Charges @ 20% on PSC Poles</b>				
<b>I</b>	<b>Erection Charges @ 10% for other materials</b>				<b>11,338.72</b>
<b>J</b>	<b>Total</b>				<b>372,803.52</b>
<b>40</b>	<b>Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.</b>	<b>Cum</b>	<b>0.9</b>	<b>6500.00</b>	<b>5850.00</b>
<b>41</b>	<b>Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.113 Cu. Mtr.</b>	<b>Cum</b>	<b>0.226</b>	<b>6500.00</b>	<b>1469.00</b>
<b>42</b>	<b>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.</b>	<b>No</b>	<b>2</b>	<b>2250.00</b>	<b>4,500.00</b>
<b>43</b>	<b>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.</b>	<b>No</b>	<b>7</b>	<b>3700.00</b>	<b>25,900.00</b>
<b>44</b>	<b>Laying of 4Cx95 sq. mm LT XLPE cable</b>	<b>Mtr</b>	<b>15</b>	<b>46.80</b>	<b>702.00</b>
<b>45</b>	<b>Supply and Erection of GI fencing with Gate</b>	<b>Sq. Mtr.</b>	<b>15</b>	<b>3600.00</b>	<b>54,000.00</b>
					<b>92,421.00</b>
	<b>Sub total Rs</b>				<b>465,224.52</b>
<b>II</b>	<b>CONSTRUCTION OF 11 KV LINE OF LENGTH 0.01 KM .</b>				
<b>A</b>	<b>11 KV CUT POINT WITH 90 DEGREE ANGLE</b>				
<b>1</b>	<b>WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)</b>	<b>No</b>	<b>1</b>	<b>29661.00</b>	<b>29661.00</b>
<b>2</b>	<b>Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =( 4x9.56x1.2)</b>	<b>Kg</b>	<b>45.888</b>	<b>76.00</b>	<b>3487.49</b>
<b>3</b>	<b>Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required</b>	<b>Kg</b>	<b>10.5728</b>	<b>97.50</b>	<b>1030.85</b>
<b>4</b>	<b>Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)</b>	<b>Kg</b>	<b>11.70144</b>	<b>76.00</b>	<b>889.31</b>
<b>5</b>	<b>Danger plate</b>	<b>No</b>	<b>1</b>	<b>104.00</b>	<b>104.00</b>

6	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.3009	97.50	29.34
7	GI barbed wire/Anticlimbing device	No	3	104.00	312.00
8	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	1.2036	97.50	117.35
9	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	4	260.00	1040.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	9	455.00	4095.00
11	Disc insulator (B&S) 70 KN polymer	No.	9	1495.00	13455.00
12	Earthing of Support ( Coil Type )	No	1	215.80	215.80
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.262	97.50	25.55
14	PG Clamp for 55 sq. mm AAAC	No	9	624.00	5616.00
15	HT Stay Set (Complete)	Set	1	1365.00	1365.00
16	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	1	162.50	162.50
17	HT Stay Insulator	No.	1	65.00	65.00
18	7/10 SWG Stay Wire , 15 Kg/stay	KG	15	97.50	1462.50
19	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	7.433	101.40	753.71
20	Yellow colour paint for Background	Ltr	2	216.00	432.00
21	Black colour paint for numbering	Ltr	0.5	286.00	143.00
A	<b>A. Sub total</b>				<b>64,462.39</b>
B	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>1,933.87</b>
C	<b>Sub Total (C=A+B)</b>				<b>66,396.26</b>
D	<b>T&amp;P @ 2% of C</b>				<b>1,264.99</b>
E	<b>Contingency @ 3% of C</b>				<b>1,991.89</b>
F	<b>Transportation @ 7.5% of C</b>				<b>4,979.72</b>
G	<b>Erection Charges @ 20 % on PSC poles</b>				
H	<b>Erection Charges @ 5 % on Joist/WPB poles</b>				<b>1,527.54</b>
I	<b>Erection Charges @ 10%</b>				<b>3,269.88</b>
J	<b>Total</b>				<b>79,430.27</b>
19	Fixing of 11 KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5)Stay clamps with Nuts & bolts, including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material (Excavation of earth will be done of size 500X500X1500 mm.)	No	1	2250.00	2250.00
40	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.45	6500.00	2925.00
41	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.113 Cu. Mtr.	Cum	0.1125	6500.00	731.25

	<b>Total Material + Services Cost (J+K)</b>				<b>85,336.52</b>
<b>B</b>	<b>11 KV PIN POINTS WITH WPB</b>				
<b>I</b>	55 sq. mm AAAC	Km	0.0309	39000.00	1205.10
<b>A</b>	<b>A. Sub total</b>				<b>1,205.10</b>
<b>B</b>	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>36.15</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>1,241.25</b>
<b>D</b>	<b>T&amp;P @ 2% of C</b>				<b>24.83</b>
<b>E</b>	<b>Contingency @ 3% of C</b>				<b>37.24</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>93.09</b>
	<b>Erection Charges @ 5% on poles</b>				
<b>G</b>	<b>Erection Charges @ 10%</b>				<b>124.13</b>
<b>H</b>	<b>Total</b>				<b>1,520.54</b>
	Total Rs.				<b>552,081.58</b>
	Cess @ 1%				<b>5,520.82</b>
	Total Estimated Cost				<b>557,602.40</b>
	Total Estimated Cost in Figures				<b>557,602.00</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)