

**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.nic.in****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 BLOCKS E-TYPE & 12-E TYPE QUARTERS AT HABELIPADIA IN JARASINGH MAUZA IN THE DISTRICT OF KHURDA.****BID REF NO :- 92/PM/ELECT/OPHWC/2023-24**

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
<b>PART-A</b>					
<b>I</b>	<b>INSTALLATION OF 250 KVA S/S.</b>				
1	WPB GI Pole 160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	29661.00	59322.00
2	9 Mtr Long 300 KG PSC Pole(for raising of LT ABC)	No	1	3900.00	3,900.00
3	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	2	260.00	520.00
4	Eye Hook for XLPE Aerial Bunched Cable	No	2	78.00	156.00
5	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable	No	2	84.50	169.00
6	Straight Channel GI 100X50X6mm,(1200 mm Long) 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =( 4x9.56x1.2)	Kg	45.888	97.50	4,474.08
7	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	97.50	386.57
8	Double Pole Belting Channel 75X40X 4.8mm., 7.14KG/Mtr., each channel length 3.0 Mtr., 2 no's channel required =( 6x7.14x4.3)	Kg	42.84	97.50	4,176.90
9	50x50x6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr., 6 nos angle required = (6*4.5*4.927)	Kg	31.608	97.50	3,081.78
10	AB switch mounting channel 75x40x4.8 mm GI channel (7.14 kg/mtr,2 Nos.)	Kg	42.84	97.50	4,176.90
11	AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.69	97.50	652.28
12	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	97.50	556.82
13	HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long ) (7.14 kg/mtr,2 Nos.)	Kg	42.84	97.50	4176.90

14	Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	97.50	1128.08
15	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	97.50	1125.15
16	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
17	250 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II	No	1	601213.06	601213.06
18	LT Distrubution Box with MCCB, Aluminim Busbar of 3 Bay with kit kat Fuse for 250 KVA S/S.	No	1	62400.00	62400.00
19	55 sq. mm All Alloy conductor-PVC insulated	Mtr	50	55.24	2762.00
20	1Cx400 sq. mm LT XLPE cable(Un-Armoured)	Mtr	120	359.66	43159.20
21	11 KV AB switch (200 Amp, 3 pole)	Set	0	9555.00	0.00
22	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7956.00	7956.00
23	PG Clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
24	11 KV Disc insulator polymer type 70 KN	No	3	1495.00	4485.00
25	11 KV H/W fitting polymer type	Pair	3	455.00	1365.00
26	11 KV LA (12KV,10 KA)station class-2	No	3	4615.00	13845.00
27	11 KV Pin Insulator polymer type	No	3	260.00	780.00
28	HT Stay Set (Complete)	Set	2	1365.00	2730.00
29	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	2	162.50	325.00
30	HT Stay Insulator	No.	2	65.00	130.00
31	7/10 SWG Stay Wire , 15 Kg/stay	KG	30	97.50	2925.00
32	GI Pipe for earthing 40mm dia 3mtr long	No	7	1365.00	9555.00
33	GI Nut, Bolt & washers of different sizes	Kg	25	101.40	2535.00
34	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
35	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
36	Danger plate	Kg	2	104.00	208.00
37	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
38	Name Plate	No	1	104.00	104.00
39	Yellow colour paint for Background	Ltr	2	216.00	432.00
40	Black colour paint for numbering	Ltr	1	286.00	286.00
<b>A</b>	<b>A. Sub total</b>				<b>864,953.65</b>
<b>B</b>	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>25,948.61</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>890,902.26</b>
<b>D</b>	<b>T&amp;P @ 2% of C</b>				<b>16,606.26</b>
<b>E</b>	<b>Contingency @ 3% of C</b>				<b>26,727.07</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>66,817.67</b>
<b>G</b>	<b>Erection Charges @ 5% for transformer and joist pole cost including stock, storage &amp; insurance @3%</b>				<b>34,017.56</b>

<b>H</b>	<b>Erection Charges @ 20% on PSC Poles</b>				<b>803.40</b>
<b>I</b>	<b>Erection Charges @ 10% for other materials</b>				<b>14,594.50</b>
<b>J</b>	<b>Total</b>				<b>1,050,468.71</b>
<b>41</b>	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	<b>Cum</b>	<b>0.9</b>	<b>6500.00</b>	<b>5850.00</b>
<b>42</b>	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.113 Cu. Mtr.	<b>Cum</b>	<b>0.226</b>	<b>6500.00</b>	<b>1469.00</b>
<b>43</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>44</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>45</b>	Laying of 1Cx400 sq. mm LT XLPE cable	<b>Mtr</b>	<b>120</b>	<b>72.00</b>	<b>8,640.00</b>
<b>46</b>	LT DB Plinth	<b>No</b>	<b>1</b>	<b>3000.00</b>	<b>3,000.00</b>
<b>47</b>	DTR Plinth	<b>No</b>	<b>1</b>	<b>25000.00</b>	<b>25,000.00</b>
<b>48</b>	Supply and Erection of GI fencing with Gate	<b>Sq. Mtr.</b>	<b>20</b>	<b>3600.00</b>	<b>72,000.00</b>
<b>49</b>	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm)=0.375(for PSC Pole) Cu. Mtr.	<b>Cum</b>	<b>0.375</b>	<b>6500.00</b>	<b>2,437.50</b>
					148,796.50
	Sub total Rs				<b>1,199,265.21</b>
<b>I</b>	<b>CONSTRUCTION OF 11 KV LINE OF LENGTH 0.1 KM .</b>				
<b>A</b>	<b>11 KV CUT POINT WITH 90 DEGREE ANGLE</b>				
<b>1</b>	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =( 4x9.56x1.2)	<b>Kg</b>	45.888	97.50	4474.08
<b>2</b>	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	<b>Kg</b>	10.5728	97.50	1030.85
<b>3</b>	11 KV pin insulator polymer	<b>Set</b>	<b>3</b>	<b>260.00</b>	<b>780.00</b>
<b>4</b>	H W fitting(B&S) 70KN, 3Bolt	<b>No.</b>	<b>6</b>	<b>455.00</b>	<b>2730.00</b>
<b>5</b>	Disc insulator (B&S) 70 KN polymer	<b>No.</b>	<b>6</b>	<b>1495.00</b>	<b>8970.00</b>
<b>6</b>	PG Clamp for 55 sq. mm AAAC	<b>No</b>	<b>6</b>	<b>624.00</b>	<b>3744.00</b>
<b>7</b>	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	<b>Kg</b>	<b>7.433</b>	<b>101.40</b>	<b>753.71</b>
<b>A</b>	<b>A. Sub total</b>				<b>22,482.63</b>
<b>B</b>	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>674.48</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>23,157.11</b>
<b>D</b>	<b>T&amp;P @ 2% of C</b>				<b>463.14</b>
<b>E</b>	<b>Contingency @ 3% of C</b>				<b>694.71</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>1,736.78</b>

		<b>Erection Charges @ 5% on poles</b>			
<b>G</b>	<b>Erection Charges @ 10%</b>				<b>2,315.71</b>
<b>H</b>	<b>Total</b>				<b>28,367.46</b>
<b>B</b>	<b>11 KV PIN POINTS WITH WPB</b>				
<b>1</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>
<b>III</b>	<b>Construction of LT Line using 4x50+1x50+1X16 sq. mm LT AB Cable- -0.29 Km.</b>				
<b>1</b>	9 Mtr Long 300 KG PSC Pole	No	11	3900.00	42,900.00
<b>2</b>	LT stay set complete	Set	6	676.00	4,056.00
<b>3</b>	7/12 SWG GI stay wire, Grade-2	Kg	72	97.50	7,020.00
<b>4</b>	LT stay clamp	Pair	6	143.00	858.00
<b>5</b>	LT stay set Insulator	No	6	39.00	234.00
	<b>LT Accessories with Eye Hook and Clamp</b>				
<b>6</b>	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	19	260.00	4,940.00
<b>7</b>	Eye Hook for XLPE Aerial Bunched Cable	No	12	78.00	936.00
<b>8</b>	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25-70 sqmm)	No	12	84.50	1,014.00
<b>9</b>	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	7	442.00	3,094.00
<b>10</b>	4 Cx50(P)+1Cx50(M)+1CX16 Street Light)sq. mm LT Aerial Bunched Cable	Mtr	304.5	226.00	68,817.00
<b>11</b>	8 way service Distribution box with Kitkat fuse and Aluminium Bus bar	No	10	5200.00	52,000.00
<b>12</b>	Pipe Earthing(each 5 th Pole to Earth)	No	2	1365.00	2,730.00
<b>13</b>	Coil Earthing	No	9	215.80	1,942.20
<b>14</b>	No-8 GI wire (Dia-4.6mm)	Kg	2.882	97.50	281.00
<b>15</b>	Danger plate (LT)	No	11	104.00	1,144.00
<b>16</b>	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	3.31	97.5	322.73
<b>17</b>	GI barbed wire/Anticlimbing device 3 kg per support	Kg	33	104	3432.00
<b>18</b>	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	97.5	1290.90
<b>19</b>	GI Nut, Bolt & washers of different sizes	Kg	5.5	101.40	557.70

20	Yellow colour paint for Background	Ltr	22	216.00	4,752.00
21	Black paint	Ltr	11	286.00	3,146.00
<b>A</b>	<b>TOTAL MATERIAL COST</b>				<b>205,467.52</b>
<b>B</b>	<b>Stock, Storage &amp; Insurance @ 3% of A</b>				<b>6,164.03</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>211,631.55</b>
<b>D</b>	<b>Contingency @3% of C</b>				<b>6,348.95</b>
<b>E</b>	<b>T &amp; P 2% of C</b>				<b>4,092.84</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>15,872.37</b>
<b>G</b>	<b>Erection Charges for PSC Pole @ 20%</b>				<b>8,837.40</b>
<b>H</b>	<b>Erection Charges of DTR and Joist Poles @ 5%</b>				
<b>I</b>	<b>Erection Charges of other @ 10%</b>				<b>15,209.96</b>
<b>J</b>	<b>Sub Total Rs.</b>				<b>261,993.06</b>

**Civil and Services Works (As per Technical Specification)**

22	Fixing of LT 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 excavation supply of 0.5 cum cement concrete foundation 1:2:4 size(500x500x800mm)using 20 mm BHG metal with all Labour and material(Excavation of earth will be done of size500x500x1500mm)	No	4	2250	9000
23	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	4.125	6500.00	26,812.50
24	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.	No	2	3700.00	7,400.00
<b>K</b>	<b>Total Services Cost</b>				<b>43,212.50</b>
	<b>Total Material + Services Cost (J+K)</b>				<b>305,205.56</b>
	<b>Total Rs.(PART-A)</b>				<b>1,534,358.78</b>
	<b>PART-B</b>				

<b>I</b>	<b>CONSTRUCTION OF 11 KV LINE .</b>				
<b>A</b>	<b>11 KV CUT POINT WITH 180 DEGREE ANGLE</b>				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	29661.00	59322.00
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =( 4x9.56x1.2)	Kg	45.9	76.00	3488.40
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	10.57	97.50	1030.58
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	11.7	76.00	889.20
5	Danger plate	No	2	104.00	208.00

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	0.6	97.50	58.50
7	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
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	2.41	97.50	234.98
9	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	6	260.00	1560.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	12	455.00	5460.00
11	Disc insulator (B&S) 70 KN polymer	No.	12	1495.00	17940.00
12	Non metallic ties 11 KV(for covered conductor)	No	6	251.00	1506.00
13	IPC for 70 sq. mm AAAC covered conductor	No	12	371.00	4452.00
14	Spike(GI) using 50x6 mm GI flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)	Set	4	332.00	1328.00
15	Earthing of Support ( Coil Type )	No	2	215.80	431.60
16	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.52	97.50	50.70
17	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	7.1	101.40	719.94
18	Yellow colour paint for Background	Ltr	4	216.00	864.00
19	Black colour paint for numbering	Ltr	1	286.00	286.00
A	<b>A. Sub total</b>				<b>100,453.89</b>
B	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>3,013.62</b>
C	<b>Sub Total (C=A+B)</b>				<b>103,467.51</b>
D	<b>T&amp;P @ 2% of C</b>				<b>2,069.35</b>
E	<b>Contingency @ 3% of C</b>				<b>3,104.03</b>
F	<b>Transportation @ 7.5% of C</b>				<b>7,760.06</b>
		<b>Erection Charges @ 5% on WPB poles</b>			<b>3,055.08</b>
G		<b>Erection Charges @ 10%</b>			<b>4,236.56</b>
H	<b>Total</b>				<b>123,692.58</b>
20	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.55 Cu. Mtr.	Cum	0.9	6500.00	5850.00
21	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.225	6500.00	1462.50
	<b>Total Material + Services Cost (J+K)</b>				<b>131,005.08</b>
<b>B</b>	<b>11 KV CUT POINT WITH 90 DEGREE ANGLE</b>				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	3	29661.00	88983.00
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =( 4x9.56x1.2)	Kg	137.664	76.00	10462.46
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	31.7184	97.50	3092.54
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	35.10432	76.00	2667.93

5	Danger plate	No	3	104.00	312.00
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	0.9027	97.50	88.01
7	GI barbed wire/Anticlimbing device	No	9	104.00	936.00
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	3.6108	97.50	352.05
9	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	12	260.00	3120.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	18	455.00	8190.00
11	Disc insulator (B&S) 70 KN polymer	No.	18	1495.00	26910.00
12	Non metallic ties 11 KV(for covered conductor)	No	12	251.00	3012.00
13	IPC for 70 sq. mm AAAC covered conductor	No	18	371.00	6678.00
14	Spike(GI) using 50x6 mm GI flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)	Set	6	332.00	1992.00
15	Earthing of Support ( Coil Type )	No	3	215.80	647.40
16	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.786	97.50	76.64
17	HT Stay Set (Complete)	Set	6	1365.00	8190.00
18	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	6	162.50	975.00
19	HT Stay Insulator	No.	6	65.00	390.00
20	7/10 SWG Stay Wire , 15 Kg/stay	KG	90	97.50	8775.00
21	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	22.299	101.40	2261.12
22	Yellow colour paint for Background	Ltr	6	216.00	1296.00
23	Black colour paint for numbering	Ltr	1.5	286.00	429.00
A	<b>A. Sub total</b>				<b>179,836.16</b>
B	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>5,395.08</b>
C	<b>Sub Total (C=A+B)</b>				<b>185,231.24</b>
D	<b>T&amp;P @ 2% of C</b>				<b>3,327.03</b>
E	<b>Contingency @ 3% of C</b>				<b>5,556.94</b>
F	<b>Transportation @ 7.5% of C</b>				<b>13,892.34</b>
	<b>Erection Charges @ 5% on poles</b>				<b>4,582.62</b>
G	<b>Erection Charges @ 10%</b>				<b>7,469.89</b>
H	<b>Total</b>				<b>220,060.06</b>
24	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	6	2250.00	13500.00
25	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.55 Cu. Mtr.	Cum	1.35	6500.00	8775.00
26	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.3375	6500.00	2193.75

					<b>Total Material + Services Cost (J+K)</b>	<b>244,528.81</b>	
<b>C</b>	<b>11 KV PIN POINTS WITH WPB</b>						
<b>1</b>	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	10	29661.00	296610.00		
<b>2</b>	11 KV V cross arm	No	10	1053.00	10530.00		
<b>3</b>	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	10	195.00	1950.00		
<b>4</b>	Danger plate	No	10	104.00	1040.00		
<b>5</b>	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	3.01	97.50	293.48		
<b>6</b>	GI barbed wire/Anticlimbing device	No	30	104.00	3120.00		
<b>7</b>	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	12.04	97.50	1173.90		
<b>8</b>	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	30	260.00	7800.00		
<b>14</b>	Spike(GI) using 50x6 mm GI flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)	Set	20	332.00	6640.00		
<b>9</b>	Non metallic ties 11 KV(for covered conductor)	No	30	251.00	7530.00		
<b>10</b>	Earthing of Support ( Coil Type )	No	10	215.80	2158.00		
<b>11</b>	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	2.62	97.50	255.45		
<b>12</b>	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	14.5	101.40	1470.30		
<b>13</b>	70 sq. mm AAAC XLPE covered conductor	Km	1.0815	185220.00	200315.43		
<b>14</b>	Yellow colour paint for Background	Ltr	20	216.00	4320.00		
<b>15</b>	Black colour paint for numbering	Ltr	10	286.00	2860.00		
<b>A</b>	<b>A. Sub total</b>					<b>548,066.56</b>	
<b>B</b>	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>					<b>16,442.00</b>	
<b>C</b>	<b>Sub Total (C=A+B)</b>					<b>564,508.55</b>	
<b>D</b>	<b>T&amp;P @ 2% of C</b>					<b>11,290.17</b>	
<b>E</b>	<b>Contingency @ 3% of C</b>					<b>16,935.26</b>	
<b>F</b>	<b>Transportation @ 7.5% of C</b>					<b>42,338.14</b>	
	<b>Erection Charges @ 5% on poles</b>					<b>15,275.42</b>	
<b>G</b>	<b>Erection Charges @ 10%</b>					<b>25,899.97</b>	
<b>H</b>	<b>Total</b>					<b>676,247.51</b>	
<b>16</b>	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.55 Cu. Mtr.	<b>Cum</b>	<b>4.5</b>	<b>6500.00</b>	<b>29250.00</b>		
<b>17</b>	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	<b>Cum</b>	<b>1.125</b>	<b>6500.00</b>	<b>7312.50</b>		
<b>Total Material + Services Cost (J+K)</b>					<b>712,810.01</b>		
<b>II</b>	<b>SHIFTING OF 250 KVA S/S</b>						
<b>1</b>	WPB GI Pole 160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	29661.00	59322.00		
<b>2</b>	9 Mtr Long 300 KG PSC Pole(for raising of LT ABC)	No	1	3900.00	3,900.00		

3	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	2	260.00	520.00
4	Eye Hook for XLPE Aerial Bunched Cable	No	2	78.00	156.00
5	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable	No	2	84.50	169.00
6	Straight Channel GI 100X50X6mm,(1200 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
7	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	97.50	386.57
8	Double Pole Belting Channel 75X40X 4.8mm., 7.14KG/Mtr., each channel length 3.0 Mtr., 2 no's channel required =( 6x7.14x4.3)	Kg	42.84	76.00	3,255.84
9	50x50x6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr., 6 nos angle required = (6*4.5*4.927)	Kg	31.608	76.00	2,402.21
8	MU Channel 75X40X 4.8mm.,3000 mm Long, 7.14KG/Mtr., 2 Nos.	Kg	42.84	76.00	3255.84
10	AB switch mounting channel 75x40x4.8 mm GI channel (7.14 kg/mtr,2 Nos.)	Kg	42.84	76.00	3,255.84
11	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
12	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
13	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
14	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
15	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	76.00	877.04
16	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
18	LT Distrubution Box with MCCB, Aluminim Busbar of 3 Bay with kit kat Fuse for 250 KVA S/S.	No	1	62400.00	62400.00
19	55 sq. mm All Alloy conductor-PVC insulated	Mtr	50	55.24	2762.00
20	1Cx400 sq. mm LT XLPE cable(Un-Armoured)	Mtr	120	359.66	43159.20
21	11 KV AB switch (200 Amp, 3 pole)	Set	1	9555.00	9555.00
22	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7956.00	7956.00
23	PG Clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
24	11 KV Disc insulator polymer type 70 KN	No	3	1495.00	4485.00
25	11 KV H/W fitting polymer type	Pair	3	455.00	1365.00
26	11 KV LA (12KV,10 KA)station class-2	No	3	4615.00	13845.00
27	11 KV Pin Insulator polymer type	No	3	260.00	780.00
28	HT Stay Set (Complete)	Set	2	1365.00	2730.00
29	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	2	162.50	325.00
30	HT Stay Insulator	No.	2	65.00	130.00

31	7/10 SWG Stay Wire , 15 Kg/stay	KG	30	97.50	2925.00
32	GI Pipe for earthing 40mm dia 3mtr long	No	7	1365.00	9555.00
33	GI Nut, Bolt & washers of different sizes	Kg	25	101.40	2535.00
34	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
35	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
36	Danger plate	Kg	2	104.00	208.00
37	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
38	Name Plate	No	1	104.00	104.00
39	Yellow colour paint for Background	Ltr	2	216.00	432.00
40	Black colour paint for numbering	Ltr	1	286.00	286.00
A	<b>A. Sub total</b>				<b>272,230.47</b>
B	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>8,166.91</b>
C	<b>Sub Total (C=A+B)</b>				<b>280,397.38</b>
D	<b>T&amp;P @ 2% of C</b>				<b>4,396.17</b>
E	<b>Contingency @ 3% of C</b>				<b>8,411.92</b>
F	<b>Transportation @ 7.5% of C</b>				<b>21,029.80</b>
G	<b>Erection Charges @ 5% for transformer and joist pole cost including stock, storage &amp; insurance @3%</b>				<b>3,055.08</b>
H	<b>Erection Charges @ 20% on PSC Poles</b>				<b>803.40</b>
I	<b>Erection Charges @ 10% for other materials</b>				<b>15,468.96</b>
J	<b>Total</b>				<b>333,562.72</b>
41	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6500.00	5850.00
42	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.113 Cu. Mtr.	Cum	0.226	6500.00	1469.00
43	<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>	No	2	2250.00	4,500.00
44	<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>	No	7	3700.00	25,900.00
45	Laying of 1Cx400 sq. mm LT XLPE cable	Mtr	120	72.00	8,640.00
46	LT DB Plinth	No	1	3000.00	3,000.00
47	DTR Plinth	No	1	25000.00	25,000.00
48	Supply and Erection of GI fencing with Gate	Sq. Mtr.	20	3600.00	72,000.00
49	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm)=0.375(for PSC Pole) Cu. Mtr.	Cum	0.375	6500.00	2,437.50
					148,796.50

				Sub total Rs	482,359.22
<b>Dismantling charges</b>					
1	HT Joist Pole	Nos	7	1350	9,450.00
2	Top bracket 75x40mm MS channel (1.3 Kg each)	Nos	7	8.1	56.70
3	11 KV V Cross arm	Nos	7	41.4	289.80
4	Back clamp for V cross arm	Nos	7	8.1	56.70
5	11 Kv Pin Insulator	Nos	21	8.1	170.10
6	Dismantling of 11KV line Conductor and return to store	Mtr	280	22.5	6,300.00
7	Dismantling of existing 250KVA Transformer	No	1	4794.3	4,794.30
8	Re-installtion of existing 250 KVA Transformer	No	1	20000	20,000.00
9	AB Switch	Set	1	125	125.00
10	H.G Fuse	Set	1	125	125.00
11	L.A	No	3	30	90.00
12	Disc insulator with H/W	No	6	8.1	48.60
<b>Total Rs.</b>					<b>41,506.20</b>
Total Rs.(PART-B)					1,570,703.13
Total Rs.(PART-A+PART-B)					3,105,061.90
Cess @ 1%					31,050.62
Total Estimated Cost					3,136,112.52
Total Estimated Cost in Figures					3,136,113.00
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)