

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**  
**JANAPATH, BHOINAGAR, BHUBANESWAR - 22**  
**[Electrical Division]**  
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**E-mail :- pmelectricalophwc2021@gmail.com, Website: 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 4-F+8-F TYPE QUARTERS AT RESERVE OFFICE, KHURDA IN THE DISTRICT OF KHURDA.**

**BID REF NO :- 103/PM/ELECT/OPHWC/2023-24**

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

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>CONSTRUCTION OF 11 KV LINE .</b>				
<b>A</b>	<b>11 KV CUT POINT WITH 180 DEGREE ANGLE</b>				
<b>1</b>	WPB GI Pole 160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	29661.00	29661.00
<b>2</b>	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	22.944	76.00	1743.74
<b>3</b>	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	5.2864	97.50	515.42
<b>4</b>	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	5.85072	76.00	444.65
<b>5</b>	Danger plate	No	1	104.00	104.00
<b>6</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	0.3009	97.50	29.34
<b>7</b>	GI barbed wire/Anticlimbing device	No	3	104.00	312.00
<b>8</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	1.2036	97.50	117.35
<b>9</b>	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	3	260.00	780.00
<b>10</b>	H W fitting(B&S) 70KN, 3Bolt	No.	6	455.00	2730.00
<b>11</b>	Disc insulator (B&S) 70 KN polymer	No.	6	1495.00	8970.00
<b>12</b>	Earthing of Support ( Coil Type )	No	1	215.80	215.80
<b>13</b>	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
<b>14</b>	PG Clamp for 80 sq. mm AAA Conductor	No	6	689.00	4134.00
<b>15</b>	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	3.55	101.40	359.97
<b>16</b>	Yellow colour paint for Background	Ltr	2	216.00	432.00
<b>17</b>	Black colour paint for numbering	Ltr	0.5	286.00	143.00
<b>A</b>				<b>A. Sub total</b>	<b>50,717.83</b>

<b>B</b>	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>1,521.53</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>52,239.36</b>
<b>D</b>	<b>T&amp;P @ 2% of C</b>				<b>1,044.79</b>
<b>E</b>	<b>Contingency @ 3% of C</b>				<b>1,567.18</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>3,917.95</b>
	<b>Erection Charges @ 5% on WPB poles</b>				<b>1,527.54</b>
<b>G</b>	<b>Erection Charges @ 10%</b>				<b>2,168.85</b>
<b>H</b>	<b>Total</b>				<b>62,465.67</b>
<b>18</b>	<b>Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.55 Cu. Mtr.</b>	<b>Cum</b>	<b>0.45</b>	<b>6500.00</b>	<b>2925.00</b>
<b>19</b>	<b>Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.</b>	<b>Cum</b>	<b>0.1125</b>	<b>6500.00</b>	<b>731.25</b>
	<b>Total Material + Services Cost (J+K)</b>				<b>66,121.92</b>
<b>B</b>	<b>11 KV CUT POINT WITH 90 DEGREE ANGLE</b>				
<b>1</b>	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	29661.00	59322.00
<b>2</b>	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	91.776	76.00	6974.98
<b>3</b>	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	21.1456	97.50	2061.70
<b>4</b>	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	23.40288	76.00	1778.62
<b>5</b>	Danger plate	No	2	104.00	208.00
<b>6</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	0.6018	97.50	58.68
<b>7</b>	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
<b>8</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	2.4072	97.50	234.70
<b>9</b>	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	8	260.00	2080.00
<b>10</b>	H W fitting(B&S) 70KN, 3Bolt	No.	12	455.00	5460.00
<b>11</b>	Disc insulator (B&S) 70 KN polymer	No.	12	1495.00	17940.00
<b>12</b>	Earthing of Support ( Coil Type )	No	2	215.80	431.60
<b>13</b>	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.524	97.50	51.09
<b>14</b>	PG Clamp for 80 sq. mm AAA Conductor	No	12	689.00	8268.00
<b>15</b>	HT Stay Set (Complete)	Set	4	1365.00	5460.00
<b>16</b>	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	4	162.50	650.00
<b>17</b>	HT Stay Insulator	No.	4	65.00	260.00
<b>18</b>	7/10 SWG Stay Wire , 15 Kg/stay	KG	60	97.50	5850.00
<b>19</b>	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	14.866	101.40	1507.41
<b>20</b>	Yellow colour paint for Background	Ltr	4	216.00	864.00
<b>21</b>	Black colour paint for numbering	Ltr	1	286.00	286.00
<b>A</b>	<b>A. Sub total</b>				<b>120,370.77</b>
<b>B</b>	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>3,611.12</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>123,981.89</b>
<b>D</b>	<b>T&amp;P @ 2% of C</b>				<b>2,227.91</b>
<b>E</b>	<b>Contingency @ 3% of C</b>				<b>3,719.46</b>

<b>F</b>		<b>Transportation @ 7.5% of C</b>			<b>9,298.64</b>
		<b>Erection Charges @ 5% on poles</b>			<b>3,055.08</b>
<b>G</b>		<b>Erection Charges @ 10%</b>			<b>5,029.36</b>
<b>H</b>		<b>Total</b>			<b>147,312.34</b>
22	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	4	2250.00	9000.00
23	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.55 Cu. Mtr.	Cum	0.9	6500.00	5850.00
24	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>163,624.84</b>
<b>C</b>	<b>11 KV PIN POINTS WITH WPB</b>				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	10	29661.00	296610.00
2	11 KV V cross arm	No	10	1053.00	10530.00
3	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	10	195.00	1950.00
4	Danger plate	No	10	104.00	1040.00
5	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
6	GI barbed wire/Anticlimbing device	No	30	104.00	3120.00
7	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
8	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	30	260.00	7800.00
9	Earthing of Support ( Coil Type )	No	10	215.80	2158.00
10	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
11	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole )	Kg	14.5	101.40	1470.30
12	80 sq. mm AAAC	Km	1.545	55900.00	86365.50
13	Yellow colour paint for Background	Ltr	20	216.00	4320.00
14	Black colour paint for numbering	Ltr	10	286.00	2860.00
<b>A</b>		<b>A. Sub total</b>			<b>419,946.63</b>
<b>B</b>		<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>			<b>12,598.40</b>
<b>C</b>		<b>Sub Total (C=A+B)</b>			<b>432,545.02</b>
<b>D</b>		<b>T&amp;P @ 2% of C</b>			<b>8,650.90</b>
<b>E</b>		<b>Contingency @ 3% of C</b>			<b>12,976.35</b>
<b>F</b>		<b>Transportation @ 7.5% of C</b>			<b>32,440.88</b>
		<b>Erection Charges @ 5% on poles</b>			<b>15,275.42</b>
<b>G</b>		<b>Erection Charges @ 10%</b>			<b>12,703.69</b>
<b>H</b>		<b>Total</b>			<b>514,592.26</b>
15	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.55 Cu. Mtr.	Cum	4.5	6500.00	29250.00
16	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	1.125	6500.00	7312.50

		Total Material + Services Cost (J+K)			551,154.76
<b>II</b>	<b>INSTALLATION OF 100 KVA S/S(WITHOUT TRANSFORMER)</b>				
<b>1</b>	WPB GI Pole160X152(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	3900.00
<b>3</b>	Pole clamp for EYE hook for (XLPE Aerial bunched Cable)	Pair	2	260.00	520.00
<b>4</b>	EYE hook for XLPE Aerial bunched Cable	No	2	78.00	156.00
<b>5</b>	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No	2	84.50	169.00
<b>6</b>	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
<b>7</b>	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	97.50	386.57
<b>8</b>	M.U Channel GI 75x40x4.8 mm (3000 mm long)(7.14Kg./Mtr., 2 No's.)	Kg	42.84	76.00	3,255.84
<b>9</b>	AB switch mounting channel 75x40x4.8 mm GI channel (7.14 kg/mtr,2 Nos.)	Kg	42.84	76.00	3,255.84
<b>10</b>	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
<b>11</b>	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
<b>12</b>	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
<b>13</b>	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
<b>14</b>	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	76.00	877.04
<b>15</b>	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
<b>16</b>	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
<b>17</b>	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
<b>18</b>	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
<b>19</b>	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
<b>20</b>	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
<b>22</b>	LT Distribution Box with MCCB, Aluminium Busbar of 2 Bay with kit kat fuse for 100 KVA S/S	No	1	31744.70	31744.70

23	55mm <sup>2</sup> All Alloy Aluminum Conductor (AAAC) - PVC Insulated (50 Mtr. Each Dtr.)	Mtr	50	55.24	2762.00
24	4 Cx150 mm <sup>2</sup> LT XLPE Cable(Armoured) - FOR 100 KVA Trf.	Mtr	15	824.01	12360.15
25	11 KV AB switch (200 Amp, 3 pole)	Set	1	9555.00	9555.00
26	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7956.00	7956.00
27	PG Clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
28	Disc insulator (B&S)70 KN polymer	No	3	1495.00	4485.00
29	H W fitting (B&S)70KN(3bolted)	Pair	3	455.00	1365.00
30	11 KV LA (12KV,10 KA)station class-2	No	3	4615.00	13845.00
31	11 KV Pin Insulator polymer type	No	3	260.00	780.00
32	HT Stay Set (Complete)	Set	2	1365.00	2730.00
33	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	2	162.50	325.00
34	HT Stay Insulator	No.	2	65.00	130.00
35	7/10 SWG Stay Wire , 15 Kg/stay	KG	30	97.50	2925.00
36	GI Pipe for earthing 40mm dia 3mtr long	No	7	1365.00	9555.00
37	GI Nut, Bolt & washers of different sizes	Kg	25	101.40	2535.00
38	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
39	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
40	Danger plate	Kg	2	104.00	208.00
41	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
42	Name Plate	No	1	104.00	104.00
43	Yellow colour paint for Background	Ltr	2	216.00	432.00
44	Black colour paint for numbering	Ltr	1	286.00	286.00
A	<b>A. Sub total</b>				<b>213,358.75</b>
B	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>6,400.76</b>
C	<b>Sub Total (C=A+B)</b>				<b>219,759.51</b>
D	<b>T&amp;P @ 2% of C</b>				<b>3,817.88</b>
E	<b>Contigency @ 3% of C</b>				<b>6,592.79</b>
F	<b>Transportation @ 7.5% of C</b>				<b>16,481.96</b>
G	<b>Erection Charges @ 5% for transformer and joist pole cost including stock, storage &amp; insurance @3%</b>				<b>3055.09</b>
H	<b>Erection Charges @ 20% on PSC Poles</b>				<b>803.40</b>
I	<b>Erection Charges @ 10% for other materials</b>				<b>12,577.45</b>
J	<b>Total</b>				<b>263,088.08</b>
45	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6500.00	5850.00
46	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.113 Cu. Mtr.	Cum	0.226	6500.00	1469.00
47	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.	No	2	2250.00	4,500.00

48	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	7	3700.00	25,900.00
49	Laying of 4Cx150 sq. mm LT XLPE cable	Mtr	15	72.00	1,080.00
50	Supply and Erection of GI fencing with Gate	Sq. Mtr.	15	3600.00	54,000.00
51	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm)=0.375 Cu. Mtr.	Cum	0.375	6500.00	2437.50
					95,236.50
				Sub total Rs	358,324.58
<b>III</b>	<b>Construction of LT Line using 3X95+1X70+1x16 sq. mm LT AB Cable- -0.065 Km.</b>				
1	9 Mtr Long 300 KG PSC Pole	No	2	3900.00	7,800.00
2	LT stay set complete	Set	2	676.00	1,352.00
3	7/12 SWG GI stay wire, Grade-2	Kg	24	97.50	2,340.00
4	LT stay clamp	Pair	2	143.00	286.00
5	LT stay set Insulator	No	2	39.00	78.00
6	<b>LT Accessories with Eye Hook and Clamp</b>				
7	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	4	260.00	1,040.00
8	Eye Hook for XLPE Aerial Bunched Cable	No	3	78.00	234.00
9	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25-70 sqmm)	No	3	84.50	253.50
	Suspension Clamp with EYE hook for ABC	No	1	442.00	442.00
10	3x95+ 1x70+ 1 x16 mm2 (LT AB Cable)	Mtr	69.3	315.90	21,891.87
11	Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm	No	1	113.03	113.03
12	Coil Earthing	No	2	215.80	431.60
13	No-8 GI wire (Dia-4.6mm)	Kg	0.524	97.50	51.09
14	Danger plate (LT)	No	2	104.00	208.00
15	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	97.5	58.50
16	GI barbed wire/Anticlimbing device 3 kg per support	Kg	6	104	624.00
17	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	97.5	234.98
18	GI Nut, Bolt & washers of different sizes	Kg	1	101.40	101.40
19	Yellow colour paint for Background	Ltr	4	216.00	864.00
20	Black paint	Ltr	2	286.00	572.00
A	<b>TOTAL MATERIAL COST</b>				<b>38,975.97</b>
B	<b>Stock, Storage &amp; Insurance @ 3% of A</b>				1,169.28
C	<b>Sub Total (C=A+B)</b>				<b>40,145.24</b>
D	<b>Contingency @3% of C</b>				<b>1,204.36</b>
E	<b>T &amp; P 2% of C</b>				<b>719.35</b>
F	<b>Transportation @ 7.5% of C</b>				<b>3,010.89</b>
G	<b>Erection Charges for PSC Pole @ 20%</b>				1,606.80
H	<b>Erection Charges of DTR and Joist Poles @ 5%</b>				
I	<b>Erection Charges of other @ 10%</b>				2,793.35
J	<b>Sub Total Rs.</b>				<b>49,479.99</b>

Civil and Services Works (As per Technical Specification)					
21	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	2	2250	4500
22	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	0.75	6500.00	4,875.00
K	Total Services Cost				9,375.00
	Total Material + Services Cost (J+K)				58,854.99
	Dismantling charges(details as per estimate)	Ls	1	42247.6	42,247.60
	TOTAL RS. PART-A				1,240,328.70
	<b>PART-B</b>				
I	<b>INSTALLATION OF 250 KVA S/S.</b>				
1	250 KVA , 11/0.4 KV (CU) Transformer BIS Energy Level-II	No	1	573210.00	573210.00
2	LT Distribution Box with MCCB, Aluminium Busbar of 3 Bay with kit kat fuse for 250 KVA S/S	No	1	62400.00	62400.00
3	55mm <sup>2</sup> All Alloy Aluminum Conductor (AAAC) - PVC Insulated (50 Mtr. Each Dtr.)	Mtr	50	55.24	2762.00
4	1 Cx400 mm <sup>2</sup> LT XLPE Cable(Un-Armoured) - FOR 250 KVA Trf.	Mtr	120	359.66	43159.20
5	11 KV AB switch (200 Amp, 3 pole)	Set	1	9555.00	9555.00
6	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7956.00	7956.00
7	PG Clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
8	11 KV Pin Insulator polymer type	No	3	260.00	780.00
9	GI Pipe for earthing 40mm dia 3mtr long	No	7	1365.00	9555.00
10	GI Nut, Bolt & washers of different sizes	Kg	25	101.40	2535.00
11	Danger plate	Kg	2	104.00	208.00
12	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
13	Name Plate	No	1	104.00	104.00
A	A. Sub total				716,026.88
B	B. Stock, Storage & Insurance @ 3% of A				21,480.81
C	Sub Total (C=A+B)				737,507.68
D	T&P @ 2% of C				13,664.24
E	Contingency @ 3% of C				22,125.23
F	Transportation @ 7.5% of C				55,313.08
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				29,520.32
H	Erection Charges @ 20% on PSC Poles				
I	Erection Charges @ 10% for other materials				9,280.58
J	Total				867,411.13

14	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	7	3700.00	25,900.00
15	LT DB Plinth	No	1	3000.00	3000.00
16	DTR Plinth	No	1	25000.00	25000.00
17	Laying of 1Cx400 sq. mm LT XLPE cable	Mtr	120	72.00	8,640.00
18	Supply and Erection of GI fencing with Gate	Sq. Mtr.	20	3600.00	72,000.00
19	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	0.375	6500.00	2,437.50
					136,977.50
				Sub total Rs	1,004,388.63
II	<b>Construction of LT Line using 3X95+X1X70+1x16 sq. mm LT AB Cable- -0.15 Km.</b>				
1	9 Mtr Long 300 KG PSC Pole	No	6	3900.00	23,400.00
2	LT stay set complete	Set	3	676.00	2,028.00
3	7/12 SWG GI stay wire, Grade-2	Kg	36	97.50	3,510.00
4	LT stay clamp	Pair	3	143.00	429.00
5	LT stay set Insulator	No	3	39.00	117.00
	<b>LT Accessories with Eye Hook and Clamp</b>				
6	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	8	260.00	2,080.00
7	Eye Hook for XLPE Aerial Bunched Cable	No	4	78.00	312.00
8	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25-70 sqmm)	No	4	84.50	338.00
9	Suspension Clamp with EYE hook for ABC	No	4	442.00	1,768.00
10	3x95+ 1x70+ 1 x16 mm <sup>2</sup> (LT AB Cable)	Mtr	157.5	315.90	49,754.25
11	Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm	No	2	113.03	226.06
12	Coil Earthing	No	6	215.80	1,294.80
13	No-8 GI wire (Dia-4.6mm)	Kg	1.572	97.50	153.27
14	Danger plate (LT)	No	6	104.00	624.00
15	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	1.81	97.5	176.48
16	GI barbed wire/Anticlimbing device 3 kg per support	Kg	18	104	1872.00
17	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	7.22	97.5	703.95
18	GI Nut, Bolt & washers of different sizes	Kg	3	101.40	304.20
19	Yellow colour paint for Background	Ltr	12	216.00	2,592.00
20	Black paint	Ltr	6	286.00	1,716.00
A	<b>TOTAL MATERIAL COST</b>				<b>93,399.01</b>
B	<b>Stock, Storage &amp; Insurance @ 3% of A</b>				2,801.97
C	<b>Sub Total (C=A+B)</b>				<b>96,200.98</b>
D	<b>Contingency @3% of C</b>				<b>2,886.03</b>
E	<b>T &amp; P 2% of C</b>				<b>1,798.69</b>
F	<b>Transportation @ 7.5% of C</b>				<b>7,215.07</b>
G	<b>Erection Charges for PSC Pole @ 20%</b>				4,820.40



<b>H</b>	<b>Erection Charges of DTR and Joist Poles @ 5%</b>				
<b>I</b>	<b>Erection Charges of other @ 10%</b>				6,583.23
<b>J</b>	<b>Sub Total Rs.</b>				<b>119,504.40</b>
<b>Civil and Services Works (As per Technical Specification)</b>					
21	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	3	2250	6750
22	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	2.25	6500.00	14,625.00
<b>K</b>	<b>Total Services Cost</b>				<b>21,375.00</b>
	<b>Total Material + Services Cost (J+K)</b>				<b>140,879.40</b>
	<b>TOTAL RS. PART-B</b>				<b>1,145,268.03</b>
	Dismantling charges(details as per estimate)	EA	1	24300.7	24,300.70
	<b>PART-B</b>				<b>1,169,568.73</b>
	<b>TOTAL RS. PART-A+PART-B</b>				<b>2,409,897.43</b>
	<b>Cess @ 1%</b>				<b>24,098.97</b>
	Total Estimated Cost				<b>2,433,996.40</b>
	Total Estimated Cost in Figures				<b>2,433,996.00</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/-  
DM (Elect.)I/C

Sd/-  
Project Manager(Elect.)