

# ANNEXURE - I



## KERALA STATE ELECTRICITY REGULATORY COMMISSION

**Cost Data of Distribution works approved by the K S E R C for the period from 1.4. 2014. Vide Reg. 33 of Kerala Electricity Supply Code, 2014.**

Item No.	Description of the work	Approved Rate Rs.	Table of detailed estimate
<b>SERVICE CONNECTION</b>			
1	Estimate for LT single phase weather proof service connection upto and including 5kW (Using Static meter with LCD facility)	2150	I.1
2	Estimate for LT three phase weather proof service connection up to and including 10 KW (Using Static meter with LCD display and TOD facility)	4350	I.2
3	Estimate for LT three phase weather proof service connection above 10kW upto and including 25kW (Using Static meter with LCD display and TOD facility)	10750	I.3
4	Estimate for LT three phase weather proof service connection above 25kW & below 50kVA	17250	I.4
5	Estimate for LT three phase weather proof service connection from 50kVA and above upto and including 100kVA (excluding cost for transformer installation )	19750	I.5
6	Estimate for providing support pole for weather proof service connection.	4000	I.6
7	Estimate for LT single phase over head service connection upto and including 50m with max. 1 Post	11500	I.7
8	Estimate for LT single phase over head service connection above 50 m upto and including 100 m with max. 2 Posts	18900	I.8
9	Estimate for LT single phase over head service connection above 100m up to and including 150m with max. 3 Posts	26100	I.9
10	Estimate for LT single phase over head service connection above 150m up to and including 200m with max. 4 Posts	33700	I.10
11	Estimate for LT three phase over head service connection upto and including 50m with max. 1 Post	19750	I.11
12	Estimate for LT three phase over head service connection above 50m upto and including 100m with max. 2 Posts	35250	I.12
13	Estimate for LT three phase over head service connection above 100m up to and including 150m with max. 3 Posts	50300	I.13

14	Estimate for LT three phase over head service connection above 150m up to and including 200m with max. 4 Posts	65600	I.14
15	Estimate for post insertion for LT single phase over head line (without stay)	6150	I.15
16	Estimate for post insertion for LT single phase over head line (with stay)	7550	I.16
17	Estimate for post insertion for LT single phase over head line (with strut)	9550	I.17
18	Estimate for post insertion for LT three phase over head line (without stay)	6800	I.18
19	Estimate for post insertion for LT three phase over head line (with stay)	7850	I.19
20	Estimate for post insertion for LT three phase over head line (with strut)	10200	I.20
21	Estimate for conversion of LT single phase weatherproof service connection to LT three phase weather proof service connection with connected load upto and including 10kW	3500	I.21
22	Estimate for conversion of LT single phase weatherproof service connection to LT three phase weather proof service connection with load above 10 kW up to and including 25kW	10900	I.22
23	Estimate for conversion of LT single phase weatherproof service connection to LT three phase weather proof service connection with load above 25kW and below 50kVA	15850	I.23
24	Estimate for conversion of LT single phase weatherproof service connection to LT three phase weather proof service connection with load 50kVA and above up to and including 100kVA	18150	I.24
25	Estimate for the enhancement of connected load of LT three phase weather proof service connection with a maximum load of 10kW into the range of 10 kW - 25 kW.	10200	I.25
26	Estimate for enhancement of connected load of LT three phase weather proof service connection with a maximum load of 10kW into the range of >25 kW and less than 50 kVA.	16600	I.26
27	Estimate for enhancement of connected load of LT three phase weather proof service connection with a maximum load of 10kW into the range of 50 kVA - 100 kVA.	19750	I.27

28	Estimate for enhancement of connected load of LT three phase weather proof service connection with a connected load >10 kW - 25 kW in to the range of >25 kW and less than 50 kVA.	16600	I.28
29	Estimate for enhancement of connected load of LT three phase weather proof service connection from the range of 10 kW - 25 kW in to the range of 50 kVA – 100 kVA (excluding the rate of installation of transformer).	16950	I.29
30	Estimate for enhancement of connected load of LT three phase weather proof service connection from the range of 25 kW to 50 kVA in to the range of 50 kVA – 100 kVA (excluding the rate of installation of transformer)	16950	I.30
<b>Shifting of meters</b>			
31	Estimate for Shifting one Single Phase metering equipment with all fittings.	433	I.31(a)
32	Estimate for Shifting one Three Phase Metering equipment with all fittings .	570	I.31(b)
33	Estimate for Shifting one Three Phase CT Metering equipment with all fittings .	997	I.31(c)
34	Estimate for Shifting one Single Phase ToD Metering equipment with all fittings .	542	I.31(d)
35	Estimate for Shifting one Three Phase ToD Metering equipment with all fittings .	1246	I.31(e)
<b>DISTRIBUTION LINES</b>			
36	Dismantling, shifting and re-erecting one LT Pole of Single Phase OH line using ACSR Rabbit (with or without stay)	2950	II.1
37	Dismantling, shifting and re-erecting one LT pole of Three phase with OH lines using ACSR Rabbit (with or without stay)	3550	II.2
38	Dismantling, shifting and re-erecting one 11KV pole with Overhead lines using ACSR Racoon	5500	II.3
39	Dismantling ,shifting and re-erecting one 11KV double pole with OH lines (with or without stays)	13400	II.4
40	Adding one conductor (ACSR Rabbit) on the existing poles (where cross arm is available) per metre	88	II.5
41	Adding one conductor (ACSR Rabbit) on the existing poles (where cross arm is not available) per metre	109	II.6
42	Adding one conductor ACSR Weasel on the existing poles (where cross arm is available) per metre	70	II.7
43	Adding one conductor ACSR Weasel on the existing poles (where cross arm is not available) per metre	91	II.8
44	Conversion of LT single phase 2 wire line to LT Three phase 4 wire line	177	II.9
45	Conversion of LT single phase 2 wire line to LT Three phase 5 wire line	230	II.10
46	Conversion of LT single phase 3 wire line to LT Three phase 5 wire line	177	II.11
47	Drawing Single Phase 2 wire line under existing HT line	173	II.12
48	Drawing Single Phase 3 wire line under existing HT line	214	II.13

49	Drawing Three Phase 4 wire line under existing HT line	271	II.14
50	Drawing Three Phase 5 wire line under existing HT line	313	II.15
51	Construction of LT single phase, 2 wire line	311	II.16
52	Construction of LT single phase, 3 wire line	365	II.17
53	Construction of LT 3 phase, 4 wire line	427	II.18
54	Construction of LT 3 phase, 5 wire line	461	II.19
55	Construction of 11KV line using ACSR RABBIT using PSC Poles	483	II.20
56	Construction of 11KV line using ACSR RACOON using PSC Poles	554	II.21
<b>TRANSFORMERS</b>			
57	Installation of 1 No. 11 KV/ 433 V , 25 KVA Transformer (pole mounted )	176200	III.1
58	Installation of 1 No. 11 KV/ 433 V , 100 KVA Transformer (pole mounted )	275250	III.2
59	Installation of 1 No. 11 KV/ 433 V , 160 KVA Transformer	369000	III.3
60	Installation of 11KV/433V, 250 KVA Transformer	409550	III.4
61	Installation of 1 No.11 KV/ 433 V , 500 KVA, Transformer	654750	III.5
<b>STREET LIGHTS</b>			
62	Installation of double tube fittings including cost of fluorescent tubes	3600	IV.1
63	Installation of ordinary street light	1450	IV.2
<b>Ring Main Units</b>			
64	Data Acquisition compatible, extensible type Ring Main Unit without VCB-CCC (E) (Cable -Cable - Cable)	412100	VI.1
66	Data Acquisition compatible, extensible type Ring Main Unit without VCB-CTC (E) (Cable -Transformer -Cable)	465510	VI.2
67	Data Acquisition compatible, extensible type add- on type Ring Main Unit without VCB (Single Switch C-Extn.)	347850	VI.3
68	Data Acquisition compatible, extensible type add- on type Ring Main Unit with VCB (Single Switch T-Extn.)	417450	VI.4
69	Data Acquisition compatible, extensible type Ring Main Unit with provision for isolation and earthing facility on both sides (GCG)	323950	VI.5
			Sd/-
			<b>SECRETARY</b>

# ANNEXURE - II

**Estimate for LT single phase weather proof service connection upto and including 5kW using Static meter with LCD facility) - I - 1**

Sl. No	Quantity	Particulars	Rate Rs	Unit	Cost Rs
1	1	Iron screws of sizes	20.00	doz	20.00
2	2.2	G.I.Wire	59.00	kg	129.80
3	40	Weather proof 1/1.8mm 2.5 sq.mmT.C	524.00	coil	209.60
4	1	32A fuse unit	69.00	No	69.00
5	0.5	Bolts and Nuts of sizes	75.00	Kg	37.50
6	1	Insulation tape	17.50	Roll	17.50
(a)		<b>Cost of materials (sub-total)</b>			<b>483.40</b>
(b)		Storage @ 3% of cost of materials			14.50
(c)		Contingency @ 3% of cost of materials			14.50
(d)		Overhead charges @10% of cost of materials			48.34
		<b>Expenditure on materials (sub-total)</b>			<b>560.74</b>
(e)		Cost of labour			1244.10
(f)		Cost of transportation			185.18
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>1429.28</b>
(g)		Supervision charges on cost of labour and transportation @10%			142.93
		<b>Expenditure to be recovered (Grand total)</b>			<b>2132.95</b>
<b>Rounded to Rs</b>					<b>2150.00</b>
<b>(Rupees Two Thousand One hundred and Fifty Only)</b>					

**Estimate for LT three phase weather proof service connection up to and including 10 KW  
(using Static meter with LCD facility) - I- 2**

<b>Sl. No</b>	<b>Quantity</b>	<b>Particulars</b>	<b>Rate Rs</b>	<b>Unit</b>	<b>Cost Rs</b>
1	1	Iron screws of sizes	20.00	doz	20.00
2	1	Earthing coil	535.00	No	535.00
3	4.4	GI wire	59.00	Kg	259.60
4	80	Weather proof wire 1/2.8mm	1100.00	m	880.00
5	3	32 A fuse unit	69.00	No	207.00
6	1	Bolts and Nuts of sizes	75.00	Kg	75.00
7	1	Insulation tape	17.50	Roll	17.50
(a)		<b>Cost of materials (sub-total)</b>			<b>1994.10</b>
(b)		Storage @ 3% of cost of materials			59.82
(c)		Contingency @ 3% of cost of materials			59.82
(d)		Overhead charges @10% of cost of materials			199.41
		<b>Expenditure on materials (sub-total)</b>			<b>2313.16</b>
(e)		Cost of labour			1658.80
(f)		Cost of transportation			185.18
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>1843.98</b>
(g)		Supervision charges on cost of labour and transportation @10%			184.40
		<b>Expenditure to be recovered (Grand total)</b>			<b>4341.53</b>
		<b>Rounded to Rs</b>			<b>4350.00</b>
<b>(Rupees Four Thousand Three hundred and Fifty Only)</b>					



**Estimate for LT 3 Ph weather proof service connection above 10kW & up to and including 25kW ( using Static meter with LCD facility) - I - 3**

<b>Sl. No</b>	<b>Quantity</b>	<b>Particulars</b>	<b>Rate Rs</b>	<b>Unit</b>	<b>Cost Rs</b>
1	1	Iron screws of sizes	20.00	doz	20.00
2	1	Earthing coil	535.00	No	535.00
3	4.4	GI wire	59.00	Kg	259.60
4	160	PVC 50 sq.mm SC	32.00	M	5120.00
5	3	100 A fuse unit	360.00	No	1080.00
6	1	Bolts and Nuts of sizes	75.00	Kg	75.00
7	1	Insulation tape	17.50	Roll	17.50
(a)	<b>Cost of materials (sub-total)</b>				<b>7107.10</b>
(b)	Storage @ 3% of cost of materials				213.21
(c)	Contingency @ 3% of cost of materials				213.21
(d)	Overhead charges @ 10% of cost of materials				710.71
	<b>Expenditure on materials (sub-total)</b>				<b>8244.24</b>
(e)	Cost of labour				2073.50
(f)	Cost of transportation				185.18
	<b>Cost of labour and transportation Sub-total (e&amp;f)</b>				<b>2258.68</b>
(g)	Supervision charges on cost of labour and				225.87
	<b>Expenditure to be recovered (Grand total)</b>				<b>10728.78</b>
<b>Rounded to Rs.</b>					<b>10750.00</b>
<b>(Rupees Ten thousand Seven hundred and Fifty Only)</b>					

**Estimate for LT three phase weather proof service connection above 25kW &  
below 50kVA - I-4**

<b>Sl. No</b>	<b>Quantity</b>	<b>Particulars</b>	<b>Rate Rs</b>	<b>Unit</b>	<b>Cost Rs</b>
1	1	Iron screws of sizes	20.00	doz	20.00
2	1	Earthing coil	535.00	No	535.00
3	160	PVC 95 Sqmm S.C	56.00	m	8960.00
4	4.4	GI wire	59.00	Kg	259.60
5	3	200 A fuse unit	723.00	No	2169.00
6	2	Bolts and Nuts of sizes	75.00	Kg	150.00
7	1	Insulation Tape	17.50	Roll	17.50
(a)		<b>Cost of materials (sub-total)</b>			<b>12111.10</b>
(b)		Storage @ 3% of cost of materials			363.33
(c)		Contingency @ 3% of cost of materials			363.33
(d)		Overhead charges @10% of cost of materials			1211.11
		<b>Expenditure on materials (sub-total)</b>			<b>14048.88</b>
(e)		Cost of labour			185.18
(f)		Cost of transportation			2695.55
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>2880.73</b>
(g)		Supervision charges on cost of labour and transportation @10%			288.07
		<b>Expenditure to be recovered (Grand total)</b>			<b>17217.68</b>
				<b>Rounded to Rs.</b>	<b>17250.00</b>
<b>(Rupees Seventeen thousand Two hundred and Fifty Only)</b>					

**Estimate for LT three phase weather proof service connection from 50kVA and above upto and including 100kVA (excluding cost for transformer installation)**

- I- 5

Sl. No	Quantity	Particulars	Rate Rs	Unit	Cost Rs
1	1	Iron screws of sizes	20.00	doz	20.00
2	1	Earthing coil	535.00	No	535.00
3	160	PVC 120 Sqmm S.C	70.00	m	11200.00
4	4.4	GI wire	59.00	Kg	259.60
5	3	200 A fuse unit	634.00	No	1902.00
6	2	Bolts and Nuts of sizes	75.00	Kg	150.00
7	1	Insulation Tape	17.50	Roll	17.50
(a)		<b>Cost of materials (sub-total)</b>			<b>14084.10</b>
(b)		Storage @ 3% of cost of materials			422.52
(c)		Contingency @ 3% of cost of materials			422.52
(d)		Overhead charges @10% of cost of materials			1408.41
		<b>Expenditure on materials (sub-total)</b>			<b>16337.56</b>
(e)		Cost of labour			2902.90
(f)		Cost of transportation			185.18
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>3088.08</b>
(g)		Supervision charges on cost of labour and transportation @10%			308.81
		<b>Expenditure to be recovered (Grand total)</b>			<b>19734.44</b>
<b>Rounded to Rs.</b>					<b>19750.00</b>
<b>(Rupees Nineteen thousand Seven hundred and Fifty only)</b>					

**Estimate for providing support pole for weather proof service connection  
I-6**

<b>Sl. No</b>	<b>Quantity</b>	<b>Particulars</b>	<b>Rate Rs</b>	<b>Unit</b>	<b>Cost Rs</b>
1	1	7m PSC Pole	1741.00	No	1741.00
2	1	Clamp with Bolt and Nut	96.00	Set	96.00
(a)		<b>Cost of materials (sub-total)</b>			<b>1837.00</b>
(b)		Storage @ 3% of cost of materials			55.11
(c)		Contingency @ 3% of cost of materials			55.11
(d)		Overhead charges @10% of cost of materials			183.70
		<b>Expenditure on materials (sub-total)</b>			<b>2130.92</b>
(e)		Cost of labour			1057.65
(f)		Cost of transportation			637.56
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>1695.21</b>
(g)		Supervision charges on cost of labour and transportation @10%			169.52
		<b>Expenditure to be recovered (Grand total)</b>			<b>3995.65</b>
<b>Rounded to Rs.</b>					<b>4000.00</b>
<b>(Rupees Four Thousand only)</b>					

**Estimate for LT single phase over head service connection upto and including 50m with maximum 1 Post. - I- 7**

<b>Sl. No</b>	<b>Quantity</b>	<b>Particulars</b>	<b>Rate Rs</b>	<b>Unit</b>	<b>Cost Rs</b>
1	1	PSC Pole 7M	1741.00	No	1741.00
2	2	2 line Xarm with clamp for PSC post	251.00	No	502.00
3	4	Shackle set	42.00	Set	168.00
4	2	LT stay set	905.00	Set	1810.00
5	0.5	Bolt & Nut of sizes	75.00	Kg	37.50
6	103	ACSR squirrel	16.45	M	1694.35
(a)		<b>Cost of materials (sub-total)</b>			<b>5952.85</b>
(b)		Storage @ 3% of cost of materials			178.59
(c)		Contingency @ 3% of cost of materials			178.59
(d)		Overhead charges @10% of cost of materials			595.29
		<b>Expenditure on materials (sub-total)</b>			<b>6905.31</b>
(e)		Cost of labour			3338.50
(f)		Cost of transportation			830.73
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>4169.23</b>
(g)		Supervision charges on cost of labour and transportation @10%			416.92
		<b>Expenditure to be recovered (Grand total)</b>			<b>11491.46</b>
<b>Rounded to Rs.</b>					<b>11500.00</b>
<b>(Rupees Eleven Thousand and Five hundred only)</b>					
Note: Total estimate amount is to be arrived by including weather proof portion also					

**Estimate for LT single phase over head service connection above 50M upto and including 100m with maximum 2 Posts. I - 8**

Sl. No	Quantity	Particulars	Rate Rs	Unit	Cost Rs
1	2	PSC Pole 7M	1741.00	No	3482.00
2	3	2 line Xarm with clamp for PSC post	251.00	No	753.00
3	4	Shackle set	42.00	Set	168.00
4	2	Pin insulator set	44.00	Set	88.00
5	2	LT stay set	905.00	Set	1810.00
6	1	Bolt & Nut of sizes	75.00	Kg	75.00
7	206	ACSR squirrel	16.45	M	3388.70
(a)		<b>Cost of materials (sub-total)</b>			<b>9764.70</b>
(b)		Storage @ 3% of cost of materials			292.94
(c)		Contingency @ 3% of cost of materials			292.94
(d)		Overhead charges @10% of cost of materials			976.47
		<b>Expenditure on materials (sub-total)</b>			<b>11327.05</b>
(e)		Cost of labour			5215.10
(f)		Cost of transportation			1668.01
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>6883.11</b>
(g)		Supervision charges on cost of labour and transportation @10%			688.31
		<b>Expenditure to be recovered (Grand total)</b>			<b>18898.47</b>
		<b>Rounded to Rs.</b>			<b>18900.00</b>
		<b>(Rupees Eighteen Thousand and Nine hundred only)</b>			

Note: Total estimate amount is to be arrived by including weather proof portion also.

**Estimate for LT single phase over head service connection above 100M upto and including 150m with maximum 3 Posts. I-9**

Sl. No	Quantity	Particulars	Rate Rs	Unit	Cost Rs
1	3	PSC Pole 7M	1741.00	No	5223.00
2	4	2 line Xarm with clamp for PSC post	251.00	No	1004.00
3	4	Shackle set	42.00	Set	168.00
4	4	Pin insulator set	44.00	Set	176.00
4	2	LT stay set	905.00	Set	1810.00
5	1.50	Bolt & Nut of sizes	75.00	Kg	112.50
6	309	ACSR squirrel	16.45	m	5083.05
(a)		<b>Cost of materials (sub-total)</b>			<b>13576.55</b>
(b)		Storage @ 3% of cost of materials			407.30
(c)		Contingency @ 3% of cost of materials			407.30
(d)		Overhead charges @ 10% of cost of materials			1357.66
		<b>Expenditure on materials (sub-total)</b>			<b>15748.80</b>
(e)		Cost of labour			6873.90
(f)		Cost of transportation			2502.01
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>9375.91</b>
(g)		Supervision charges on cost of labour and transportation @ 10%			937.59
		<b>Expenditure to be recovered (Grand total)</b>			<b>26062.30</b>
<b>Rounded to Rs.</b>					<b>26100.00</b>
<b>(Rupees Twenty Six Thousand and One hundred only)</b>					
Note: Total estimate amount is to be arrived by including weather proof portion also					

**Estimate for LT single phase over head service connection above 150M upto and including 200m with maximum 4 Posts. I -10**

Sl. No	Quantity	Particulars	Rate Rs	Unit	Cost Rs
1	4	PSC Pole 7M	1741.00	No	6964.00
2	5	2 line Xarm with clamp for PSC post	251.00	No	1255.00
3	4	Shackle set	42.00	set	168.00
4	6	Pin Insulator set	44.00	set	264.00
5	2	LT stay set	905.00	set	1810.00
6	2	Bolt & Nut of sizes	75.00	Kg	150.00
7	412	ACSR squirrel	16.45	m	6777.40
(a)		<b>Cost of materials (sub-total)</b>			<b>17388.40</b>
(b)		Storage @ 3% of cost of materials			521.65
(c)		Contingency @ 3% of cost of materials			521.65
(d)		Overhead charges @10% of cost of materials			1738.84
		<b>Expenditure on materials (sub-total)</b>			<b>20170.54</b>
(e)		Cost of labour			8957.85
(f)		Cost of transportation			3336.01
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>12293.86</b>
(g)		Supervision charges on cost of labour and transportation @10%			1229.39
		<b>Expenditure to be recovered (Grand total)</b>			<b>33693.79</b>
		<b>Rounded to Rs.</b>			<b>33700.00</b>
		<b>(Rupees Thirty Three thousand and Seven hundred only)</b>			
Note: Total estimate amount is to be arrived by including weather proof portion also					



<b>Estimate for LT three phase over head service connection upto and including 50M with maximum 1 Post. I -11</b>					
<b>Sl. No</b>	<b>Quantity</b>	<b>Particulars</b>	<b>Rate Rs</b>	<b>Unit</b>	<b>Cost Rs</b>
1	1	PSC Pole 8M	2141.00	No	2141.00
2	2	4 line Xarm with clamp	492.00	No	984.00
3	8	Shackle set	42.00	set	336.00
4	2	LT stay set	905.00	set	1810.00
5	1.25	Bolt & Nut of sizes	75.00	Kg	93.75
6	154.50	ACSR Rabbit	39.32	m	6074.94
7	51.50	ACSR Weasel	24.42	m	1257.63
(a)	<b>Cost of materials (sub-total)</b>				<b>12697.32</b>
(b)	Storage @ 3% of cost of materials				380.92
(c)	Contingency @ 3% of cost of materials				380.92
(d)	Overhead charges @10% of cost of materials				1269.73
	<b>Expenditure on materials (sub-total)</b>				<b>14728.89</b>
(e)	Cost of labour				3579.95
(f)	Cost of transportation				971.37
	<b>Cost of labour and transportation Sub-total (e&amp;f)</b>				<b>4551.32</b>
(g)	Supervision charges on cost of labour and transportation @10%				455.13
	<b>Expenditure to be recovered (Grand total)</b>				<b>19735.34</b>
<b>Rounded to Rs.</b>					<b>19750.00</b>
<b>(Rupees Nineteen thousand Seven hundred and Fifty only)</b>					
Note: Total estimate amount is to be arrived by including weather proof portion also					

**Estimate for LT three phase over head service connection above 50M upto and including 100m with maximum 2 Posts. I-12**

Sl. No	Quantity	Particulars	Rate Rs	Unit	Cost Rs
1	2	PSC Pole 8M	2141.00	No	4282.00
2	3	4 line Xarm with clamp	492.00	No	1476.00
3	8	Shackle set	42.00	set	336.00
4	4	Pin insulator set	44.00	set	176.00
4	2	LT stay set	905.00	set	1810.00
5	2.50	Bolt & Nut of sizes	75.00	Kg	187.50
6	309	ACSR Rabbit	39.32	m	12149.88
7	103	ACSR Weasel	24.42	m	2515.26
(a)		<b>Cost of materials (sub-total)</b>			<b>22932.64</b>
(b)		Storage @ 3% of cost of materials			687.98
(c)		Contingency @ 3% of cost of materials			687.98
(d)		Overhead charges @10% of cost of materials			2293.26
		<b>Expenditure on materials (sub-total)</b>			<b>26601.86</b>
(e)		Cost of labour			5905.35
(f)		Cost of transportation			1946.01
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>7851.36</b>
(g)		Supervision charges on cost of labour and transportation @10%			785.14
		<b>Expenditure to be recovered (Grand total)</b>			<b>35238.36</b>
		<b>Rounded to Rs.</b>			<b>35250.00</b>
		<b>(Rupees Thirty Five Thousand Two Hundred and Fifty only)</b>			
Note: Total estimate amount is to be arrived by including weather proof portion also					

**Estimate for LT three phase Over Head service connection above 100M upto and including 150m with maximum 3 Posts. I-13**

Sl. No	Quantity	Particulars	Rate Rs	Unit	Cost Rs
1	3	PSC Pole 8M	2141.00	No	6423.00
2	4	4 line Xarm with clamp	492.00	No	1968.00
3	8	Shackle set	42.00	set	336.00
4	8	Pin insulator set	44.00	set	352.00
4	2	LT stay set	905.00	set	1810.00
5	3.75	Bolt & Nut of sizes	75.00	Kg	281.25
6	463.50	ACSR Rabbit	39.32	m	18224.82
7	154.50	ACSR Weasel	24.42	m	3772.89
(a)		<b>Cost of materials (sub-total)</b>			<b>33167.96</b>
(b)		Storage @ 3% of cost of materials			995.04
(c)		Contingency @ 3% of cost of materials			995.04
(d)		Overhead charges @10% of cost of materials			3316.80
		<b>Expenditure on materials (sub-total)</b>			<b>38474.83</b>
(e)		Cost of labour			7816.05
(f)		Cost of transportation			2917.38
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>10733.43</b>
(g)		Supervision charges on cost of labour and transportation @10%			1073.34
		<b>Expenditure to be recovered (Grand total)</b>			<b>50281.61</b>
<b>Rounded to Rs.</b>					<b>50300.00</b>
<b>(Rupees Fifty thousand and Three hundred only)</b>					
Note: Total estimate amount is to be arrived by including weather proof portion also					

**Estimate for LT three phase over head service connection above 150M upto and including 200m with maximum 4 Posts. I -14**

<b>Sl. No</b>	<b>Quantity</b>	<b>Particulars</b>	<b>Rate Rs</b>	<b>Unit</b>	<b>Cost Rs</b>
1	4	PSC Pole 8M	2141.00	No	8564.00
2	5	4 line Xarm	492.00	No	2460.00
3	8	Shackle set	42.00	set	336.00
4	12	Pin insulator set	44.00	set	528.00
4	2	LT stay set	905.00	set	1810.00
5	5	Bolt & Nut of sizes	75.00	Kg	375.00
6	618	ACSR Rabbit	39.32	m	24299.76
7	206	ACSR Weasel	24.42	m	5030.52
(a)		<b>Cost of materials (sub-total)</b>			<b>43403.28</b>
(b)		Storage @ 3% of cost of materials			1302.10
(c)		Contingency @ 3% of cost of materials			1302.10
(d)		Overhead charges @10% of cost of materials			4340.33
		<b>Expenditure on materials (sub-total)</b>			<b>50347.80</b>
(e)		Cost of labour			9934.10
(f)		Cost of transportation			3888.74
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>13822.84</b>
(g)		Supervision charges on cost of labour and			1382.28
		<b>Expenditure to be recovered (Grand total)</b>			<b>65552.93</b>
		<b>Rounded to Rs.</b>			<b>65600.00</b>
		<b>(Rupees Sixty Five thousand and Six hundred only)</b>			
Note: Total estimate amount is to be arrived by including weather proof portion also					

Estimate for post insertion in LT Single Phase Over Head line (without stay) - I-15					
Sl. No	Quantity	Particulars	Rate Rs	Unit	Cost Rs
1	1	PSC Pole 8M	2141.00	No	2141.00
2	1	2 line Xarm with clamp for PSC post	251.00	No	251.00
3	2	Pin insulator set	44.00	Set	88.00
4	0.50	Bolt & Nut of sizes	75.00	Kg	37.50
(a)	<b>Cost of materials (sub-total)</b>				<b>2517.50</b>
(b)	Storage @ 3% of cost of materials				75.53
(c)	Contingency @ 3% of cost of materials				75.53
(d)	Overhead charges @10% of cost of materials				251.75
	<b>Expenditure on materials (sub-total)</b>				<b>2920.30</b>
(e)	Cost of labour				2105.73
(f)	Cost of transportation				830.73
	<b>Cost of labour and transportation Sub-total (e&amp;f)</b>				<b>2936.46</b>
(g)	Supervision charges on cost of labour and transportation @10%				293.65
	<b>Expenditure to be recovered (Grand total)</b>				<b>6150.41</b>
<b>Rounded to Rs.</b>					<b>6150.00</b>
<b>(Rupees Six Thousand One hundred and Fifty only)</b>					

Estimate for post insertion in LT single phase over head line (with stay) I-16					
Sl. No	Quantity	Particulars	Rate Rs	Unit	Cost Rs
1	1	PSC Pole 8M	2141.00	No	2141.00
2	1	2 line Xarm with clamp for PSC post	251.00	No	251.00
3	2	Pin insulator set	44.00	set	88.00
4	1	LT stay set	905.00	set	905.00
5	0.50	Bolt & Nut of sizes	75.00	Kg	37.50
(a)		<b>Cost of materials (sub-total)</b>			<b>3422.50</b>
(b)		Storage @ 3% of cost of materials			102.68
(c)		Contingency @ 3% of cost of materials			102.68
(d)		Overhead charges @10% of cost of materials			342.25
		<b>Expenditure on materials (sub-total)</b>			<b>3970.10</b>
(e)		Cost of labour			2421.98
(f)		Cost of transportation			830.73
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>3252.71</b>
(g)		Supervision charges on cost of labour and transportation @10%			325.27
		<b>Expenditure to be recovered (Grand total)</b>			<b>7548.08</b>
<b>Rounded to Rs.</b>					<b>7550.00</b>
<b>(Rupees Seven Thousand Five Hundred and Fifty only)</b>					

**Estimate for post insertion in LT single phase over head line (with strut)**  
**I-17**

<b>Sl. No</b>	<b>Quantity</b>	<b>Particulars</b>	<b>Rate Rs</b>	<b>Unit</b>	<b>Cost Rs</b>
1	1	PSC Pole 7M	1741.00	No.	1741.00
2	1	PSC Pole 8M	2141.00	No	2141.00
3	1	2 line Xarm with clamp for PSC post	251.00	No	251.00
4	2	Pin insulator set	44.00	set	88.00
5	0.50	Bolt & Nut of sizes	75.00	Kg	37.50
6	2	Clamp	147.00	No	294.00
(a)		<b>Cost of materials (sub-total)</b>			<b>4552.50</b>
(b)		Storage @ 3% of cost of materials			136.58
(c)		Contingency @ 3% of cost of materials			136.58
(d)		Overhead charges @10% of cost of materials			455.25
		<b>Expenditure on materials (sub-total)</b>			<b>5280.90</b>
(e)		Cost of labour			3018.10
(f)		Cost of transportation			830.73
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>3848.83</b>
(g)		Supervision charges on cost of labour and transportation @10%			384.88
		<b>Expenditure to be recovered (Grand total)</b>			<b>9514.61</b>
<b>Rounded to Rs.</b>					<b>9550.00</b>
<b>(Rupees Nine thousand Five hundred and Fifty only)</b>					

**Estimate for post insertion in LT three phase over head line (without stay)**

**I-18**

<b>Sl. No</b>	<b>Quantity</b>	<b>Particulars</b>	<b>Rate Rs</b>	<b>Unit</b>	<b>Cost Rs</b>
1	1	PSC Pole 8M	2141.00	No	2141.00
2	1	4 line Xarm with clamp	492.00	No	492.00
3	4	Pin insulator set	44.00	set	176.00
5	1.25	Bolt & Nut of sizes	75.00	Kg	93.75
(a)		<b>Cost of materials (sub-total)</b>			<b>2902.75</b>
(b)		Storage @ 3% of cost of materials			87.08
(c)		Contingency @ 3% of cost of materials			87.08
(d)		Overhead charges @10% of cost of materials			290.28
		<b>Expenditure on materials (sub-total)</b>			<b>3367.19</b>
(e)		Cost of labour			971.37
(f)		Cost of transportation			2131.31
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>3102.68</b>
(g)		Supervision charges on cost of labour and transportation @10%			310.27
		<b>Expenditure to be recovered (Grand total)</b>			<b>6780.14</b>
				<b>Rounded to Rs.</b>	<b>6800.00</b>
<b>(Rupees Six Thousand and Eight hundred only)</b>					



**Estimate for post insertion in LT three phase over head line (with stay)**

**I-19**

<b>Sl.No</b>	<b>Quantity</b>	<b>Particulars</b>	<b>Rate Rs</b>	<b>Unit</b>	<b>Amount Rs</b>
1	1	PSC Pole 8M	2141.00	No	2141.00
2	1	4 line Xarm	492.00	No	492.00
3	4	Pin insulator set	44.00	set	176.00
4	1	LT stay set	905.00	set	905.00
5	1.25	Bolt & Nut of sizes	75.00	Kg	93.75
(a)		<b>Cost of materials (sub-total)</b>			<b>3807.75</b>
(b)		Storage @ 3% of cost of materials			114.23
(c)		Contingency @ 3% of cost of materials			114.23
(d)		Overhead charges @10% of cost of materials			380.78
		<b>Expenditure on materials (sub-total)</b>			<b>4416.99</b>
(e)		Cost of labour			2131.31
(f)		Cost of transportation			971.37
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>3102.68</b>
(g)		Supervision charges on cost of labour and transportation @10%			310.27
		<b>Expenditure to be recovered (Grand total)</b>			<b>7829.94</b>
			<b>Rounded to Rs.</b>		<b>7850.00</b>
<b>(Rupees SevenThousand Eight hundred and Fifty only)</b>					

**Estimate for post insertion in LT three phase over head line (with strut)**  
**I-20**

SI.No	Quantity	Particulars	Rate Rs	Unit	Amount Rs
1	1	PSC Pole 7M	1741.00	No	1741.00
2	1	PSC Pole 8M	2141.00	No	2141.00
3	1	4 line Xarm with clamp	492.00	No	492.00
5	4	Pin insulator set	44.00	Set	176.00
6	1.25	Bolt & Nut of sizes	75.00	Kg	93.75
7	2	Clamp	147.00	No	294.00
(a)		<b>Cost of materials (sub-total)</b>			<b>4937.75</b>
(b)		Storage @ 3% of cost of materials			148.13
(c)		Contingency @ 3% of cost of materials			148.13
(d)		Overhead charges @10% of cost of materials			493.78
		<b>Expenditure on materials (sub-total)</b>			<b>5727.79</b>
(e)		Cost of labour			3054.93
(f)		Cost of transportation			971.37
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>4026.30</b>
(g)		Supervision charges on cost of labour and transportation @10%			402.63
		<b>Expenditure to be recovered (Grand total)</b>			<b>10156.72</b>
<b>Rounded to Rs.</b>					<b>10200.00</b>
<b>(Rupees TenThousand Two Hundred only)</b>					

**Estimate for conversion of LT single phase weather proof service connection to  
LT three phase weather proof service connection with connected load upto and  
including 10 kW. I-21**

Sl.No	Quantity	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.00	Doz	20.00
2	1.375	G.I. wire	59.00	Kg	81.13
3	40	Weather proof wire 1/2.8mm T.C	1100.00	Coil	440.00
4	2	32 A fuse unit	69.00	Each	138.00
5	2	Bolts and Nuts of sizes	75.00	Kg	150.00
6	1	Insulation tape	17.50	Roll	17.50
(a)		<b>Cost of materials (sub-total)</b>			<b>846.63</b>
(b)		Storage @ 3% of cost of materials			25.40
(c)		Contingency @ 3% of cost of materials			25.40
(d)		Overhead charges @10% of cost of materials			84.66
		<b>Expenditure on materials (sub-total)</b>			<b>982.09</b>
(e)		Cost of labour			2073.50
(f)		Cost of transportation			185.18
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>2258.68</b>
(g)		Supervision charges on cost of labour and transportation @10%			225.87
		<b>Expenditure to be recovered (Grand total)</b>			<b>3466.63</b>
				<b>Rounded to Rs.</b>	<b>3500.00</b>
<b>(Rupees Three Thousand Five Hundred only)</b>					

**Estimate for conversion of LT single phase weather proof service connection to LT three phase weather proof service connection with load above 10kW upto and including 25kW.**

**I-22**

<b>Sl.No</b>	<b>Quantity</b>	<b>Particulars</b>	<b>Rate Rs</b>	<b>Unit</b>	<b>Amount Rs</b>
1	1	Iron screws of sizes	20.00	doz	20.00
2	4.4	GI wire	59.00	Kg	259.60
3	160	PVC 50 sq.mm S.C	32.00	m	5120.00
4	3	100 A fuse unit	634.00	Each	1902.00
5	2	Bolts and Nuts of sizes	75.00	Kg	150.00
6	1	Insulation tape	17.50	Roll	17.50
(a)		<b>Cost of materials (sub-total)</b>			<b>7469.10</b>
(b)		Storage @ 3% of cost of materials			224.07
(c)		Contingency @ 3% of cost of materials			224.07
(d)		Overhead charges @10% of cost of materials			746.91
		<b>Expenditure on materials (sub-total)</b>			<b>8664.16</b>
(e)		Cost of labour			2073.50
(f)		Cost of transportation			185.18
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>2258.68</b>
(g)		Supervision charges on cost of labour and transportation @10%			225.87
(h)		Credit depreciated value @ 50% for the following :			
		35m weather proof wire 1/2.8mm, T.C @ Rs.1100/coil : 1 No. 32A fuse unit @ Rs.69/-; 2.2Kg GI wire @ Rs.59/-			-292.00
		<b>Expenditure to be recovered (Grand total)</b>			<b>10856.70</b>
<b>Rounded to Rs.</b>					<b>10900.00</b>
<b>(Rupees Ten Thousand Nine Hundred only)</b>					

**Estimate for conversion of LT single phase weather proof service connection to LT three phase weather proof service connection with load above 25kW and below 50kVA**  
- I-23

Sl.No	Quantity	Particulars	Rate Rs	Unit	Amount Rs
1					
2					
3	1	Iron screws of sizes	20.00	doz	20.00
4	4.4	GI wire	59.00	Kg	259.60
5	160	PVC 95 sq.mm S.C	56.00	M	8960.00
6	3	200 A fuse unit	723.00	No	2169.00
7	2	Bolts and Nuts of sizes	75.00	Kg	150.00
8	1	Insulation tape	17.50	Roll	17.50
(a)		<b>Cost of materials (sub-total)</b>			<b>11576.10</b>
(b)		Storage @ 3% of cost of materials			347.28
(c)		Contingency @ 3% of cost of materials			347.28
(d)		Overhead charges @10% of cost of materials			1157.61
		<b>Expenditure on materials (sub-total)</b>			<b>13428.28</b>
(e)		Cost of labour			2280.85
(f)		Cost of transportation			185.18
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>2466.03</b>
(g)		Supervision charges on cost of labour and transportation @10%			246.60
(h)		Credit depreciated value @ 50% for the following 35m weather proof wire 1/2.8mm, T.C @ Rs.1100/coil : 1 No. 32A fuse unit @ Rs.69/-; 2.2Kg GI wire @ Rs.59/-			-292.00
		<b>Expenditure to be recovered (Grand total)</b>			<b>15848.91</b>
<b>Rounded to Rs.</b>					<b>15850.00</b>
<b>( Rupees Fifteen thousand Eight hundred and Fifty only )</b>					

**Estimate for conversion of LT single phase weather proof service connection to LT three phase weather proof service connection with load 50kVA and above up to and including 100kVA - I-24**

Sl.No	Quantity	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.00	doz	20.00
2	4.4	GI wire	59.00	Kg	259.60
3	160	PVC 120 sq.mm S.C	70.00	M	11200.00
4	3	200 A fuse unit	634.00	No	1902.00
5	2	Bolts and Nuts of sizes	75.00	Kg	150.00
6	1	Insulation tape	17.50	Roll	17.50
(a)		<b>Cost of materials (sub-total)</b>			<b>13549.10</b>
(b)		Storage @ 3% of cost of materials			406.47
(c)		Contingency @ 3% of cost of materials			406.47
(d)		Overhead charges @10% of cost of materials			1354.91
		<b>Expenditure on materials (sub-total)</b>			<b>15716.96</b>
(e)		Cost of labour			2280.85
(f)		Cost of transportation			185.18
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>2466.03</b>
(g)		Supervision charges on cost of labour and transportation @10%			246.60
(h)		Credit depreciated value @ 50% for the following 35m weather proof wire 1/2.8mm, T.C rate Rs.1100/coil : 1 No. 32A fuse unit @ Rs.69/-; 2.2Kg GI wire @ Rs.59/-			-292.00
		<b>Expenditure to be recovered (Grand total)</b>			<b>18137.59</b>
<b>Rounded to Rs.</b>					<b>18150.00</b>
<b>(Rupees Eighteen thousand One hundred and Fifty only)</b>					

**Estimate for enhancement of connected load of LT three phase weather proof service connection with a max. load of 10kW into the range of 10 kW - 25 kW.  
I-25**

Sl.No	Quantity	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.00	doz	20.00
2	4.4	GI wire	59.00	Kg	259.60
3	160	PVC 50 sq.mm SC	32.00	M	5120.00
4	3	100 A fuse unit	360.00	No	1080.00
5	2	Bolts and Nuts of sizes	75.00	Kg	150.00
6	1	Insulation tape	17.50	Roll	17.50
(a)		<b>Cost of materials (sub-total)</b>			<b>6647.10</b>
(b)		Storage @ 3% of cost of materials			199.41
(c)		Contingency @ 3% of cost of materials			199.41
(d)		Overhead charges @10% of cost of materials			664.71
		<b>Expenditure on materials (sub-total)</b>			<b>7710.64</b>
(e)		Cost of labour			2073.50
(f)		Cost of transportation			185.18
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>2258.68</b>
(g)		Supervision charges on cost of labour and transportation @10%			225.87
		<b>Expenditure to be recovered (Grand total)</b>			<b>10195.18</b>
<b>Rounded to Rs.</b>					<b>10200.00</b>
<b>(Rupees Ten thousand and Two hundred only)</b>					
Note: If the Energy meter is provided by Board, meter rent at the rate of Rs. 20 per meter per month will be collected extra.					

**Estimate for enhancement of connected load of LT three phase weather proof service connection with a maximum connected load of 10 kW into the range of >25 kW and less than 50 kVA. - I-26**

Sl.No	Quantity	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.00	doz	20.00
2	160	PVC 95 Sqmm S.C	56.00	m	8960.00
3	4.4	GI wire	59.00	Kg	259.60
4	3	200 A fuse unit	723.00	No	2169.00
5	2	Bolts and Nuts of sizes	75.00	Kg	150.00
6	1	Insulation tape	17.50	Roll	17.50
(a)		<b>Cost of materials (sub-total)</b>			<b>11576.10</b>
(b)		Storage @ 3% of cost of materials			347.28
(c)		Contingency @ 3% of cost of materials			347.28
(d)		Overhead charges @10% of cost of materials			1157.61
		<b>Expenditure on materials (sub-total)</b>			<b>13428.28</b>
(e)		Cost of labour			2695.55
(f)		Cost of transportation			185.18
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>2880.73</b>
(g)		Supervision charges on cost of labour and transportation @10%			288.07
		<b>Expenditure to be recovered (Grand total)</b>			<b>16597.08</b>
<b>Rounded to Rs.</b>					<b>16600.00</b>
<b>(Rupees Sixteen thousand and Six hundred only)</b>					
Note: If the Energy meter is provided by Board, meter rent at the rate of Rs. 75/- per meter per month will be collected extra.					



**Estimate for enhancement of connected load of LT three phase weather proof service connection with a maximum connected load of 10 kW into the range of 50 kVA – 100 kVA - I-27**

Sl.No	Quantity	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.00	doz	20.00
2	1	Earthing coil	535.00	No	535.00
3	160	PVC 120 Sqmm S.C	70.00	m	11200.00
4	4.4	GI wire	59.00	Kg	259.60
5	3	200 A fuse unit	634.00	No	1902.00
6	2	Bolts and Nuts of sizes	75.00	Kg	150.00
7	1	Insulation tape	17.50	Roll	17.50
(a)		<b>Cost of materials (sub-total)</b>			<b>14084.10</b>
(b)		Storage @ 3% of cost of materials			422.52
(c)		Contingency @ 3% of cost of materials			422.52
(d)		Overhead charges @10% of cost of materials			1408.41
		<b>Expenditure on materials (sub-total)</b>			<b>16337.56</b>
(e)		Cost of labour			2902.90
(f)		Cost of transportation			185.18
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>3088.08</b>
(g)		Supervision charges on cost of labour and transportation @10%			308.81
		<b>Expenditure to be recovered (Grand total)</b>			<b>19734.44</b>
		<b>Rounded to Rs.</b>			<b>19750.00</b>
		<b>(Rupees Nineteen Thousand Seven hundred and Fifty only)</b>			
Note:	1. If the Energy meter is provided by Board, meter rent at the rate of Rs. 75/- per meter per month will be collected extra.				
	2. Estimate for transformer installation attached separately				

**Estimate for enhancement of LT three phase weather proof service connection with connected load in the range of >10 kW to 25 kW into the range of > 25 kW and less than 50kVA.**  
I- 28

Sl.No	Quantity	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.00	doz	20.00
2	160	PVC 95 Sqmm S.C	56.00	m	8960.00
3	4.4	GI wire	59.00	Kg	259.60
4	3	200 A fuse unit	723.00	No	2169.00
5	2	Bolts and Nuts of sizes	75.00	Kg	150.00
6	1	Insulation tape	17.50	Roll	17.50
(a)		<b>Cost of materials (sub-total)</b>			<b>11576.10</b>
(b)		Storage @ 3% of cost of materials			347.28
(c)		Contingency @ 3% of cost of materials			347.28
(d)		Overhead charges @10% of cost of materials			1157.61
		<b>Expenditure on materials (sub-total)</b>			<b>13428.28</b>
(e)		Cost of labour			2695.55
(f)		Cost of transportation			185.18
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>2880.73</b>
(g)		Supervision charges on cost of labour and transportation @10%			288.07
		<b>Expenditure to be recovered (Grand total)</b>			<b>16597.08</b>
<b>Rounded to Rs.</b>					<b>16600.00</b>
<b>(Rupees Sixteen thousand and Six hundred only)</b>					
Note: If the Energy meter is provided by Board, meter rent at the rate of Rs. 75/- per meter per month will be collected extra.					

**Estimate for enhancement of conn. load of LT three Phase weather proof service connection from the range of 10kW - 25 kW to the range of 50 kVA -100 kVA (excluding the rate of installation of Transformer) - I-29**

Sl.No	Quantity	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.00	doz	20.00
2	160	PVC 120 Sqmm S.C	70.00	m	11200.00
3	4.4	GI wire	59.00	Kg	259.60
4	2	Bolts and Nuts of sizes	75.00	Kg	150.00
5	1	Insulation tape	17.50	Roll	17.50
(a)	<b>Cost of materials (sub-total)</b>				<b>11647.10</b>
(b)	Storage @ 3% of cost of materials				349.41
(c)	Contingency @ 3% of cost of materials				349.41
(d)	Overhead charges @10% of cost of materials				1164.71
	<b>Expenditure on materials (sub-total)</b>				<b>13510.64</b>
(e)	Cost of labour				2902.90
(f)	Cost of transportation				185.18
	<b>Cost of labour and transportation Sub-total (e&amp;f)</b>				<b>3088.08</b>
(g)	Supervision charges on cost of labour and transportation @10%				308.81
	<b>Expenditure to be recovered (Grand total)</b>				<b>16907.52</b>
<b>Rounded to Rs.</b>					<b>16950.00</b>
<b>(Rupees Sixteen Thousand Nine Hundred and Fifty only)</b>					

Note: 1. If the Energy meter is provided by Board, meter rent at the rate of Rs. 75/- per meter per month will be collected extra.

2. Estimate for transformer installation attached separately

**Estimate for enhancement of conn. load of LT three Phase weather proof service connection from the range of 25kW - 50 kVA to the range of 50 kVA -100 kVA (excluding the rate of installation of Transformer) - I-30**

Sl.No	Quantity	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.00	doz	20.00
2	160	PVC 120 Sqmm S.C	70.00	m	11200.00
3	4.4	GI wire	59.00	Kg	259.60
4	2	Bolts and Nuts of sizes	75.00	Kg	150.00
5	1	Insulation tape	17.50	Roll	17.50
(a)		<b>Cost of materials (sub-total)</b>			<b>11647.10</b>
(b)		Storage @ 3% of cost of materials			349.41
(c)		Contingency @ 3% of cost of materials			349.41
(d)		Overhead charges @10% of cost of materials			1164.71
		<b>Expenditure on materials (sub-total)</b>			<b>13510.64</b>
(e)		Cost of labour			2902.90
(f)		Cost of transportation			185.18
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>3088.08</b>
(g)		Supervision charges on cost of labour and transportation @10%			308.81
		<b>Expenditure to be recovered (Grand total)</b>			<b>16907.52</b>
<b>Rounded to Rs.</b>					<b>16950.00</b>
<b>(Rupees Sixteen Thousand Nine Hundred and Fifty only)</b>					
<p>Note: 1. If the Energy meter is provided by Board, meter rent at the rate of Rs. 75/- per meter per month will be collected extra.</p> <p>2. Estimate for transformer installation attached separately</p>					

**Estimate for Shifting Energy Meters - I.31(a)**

	<b>Unit</b>	<b>Amount</b>
<b>Single Phase Energy Meters</b>		
Shifting one Single Phase Metering equipment with all fittings including lowering down the WP service wire ,Dismantling meter Board without making damage and refitting the same at new location and redoing the WP service wire with all fittings.	No	394.00
Supervision charges on cost of labour and transportation @10%		39.40
<b>Expenditure to be recovered (Grand total)</b>		<b>433.40</b>
	<b>Rounded to Rs.</b>	<b>433.00</b>
<b>(Rupees Four hundred and Thirty Three only)</b>		

**Estimate for Shifting Energy Meters - I.31(b)**

	<b>Unit</b>	<b>Amount</b>
<b>Three Phase Energy Meters</b>		
Shifting one Three Phase Metering equipment with all fittings including lowering down the WP service wire ,Dismantling meter Board without making damage and refitting the same at new location and redoing the WP service wire with all fittings.	No	518.00
Supervision charges on cost of labour and transportation @10%		51.80
<b>Expenditure to be recovered (Grand total)</b>		<b>569.80</b>
	<b>Rounded to Rs.</b>	<b>570.00</b>
<b>(Rupees Five hundred and Seventy only)</b>		

**Estimate for Shifting Energy Meters - I.31(c)**

	<b>Unit</b>	<b>Amount</b>
<b>Three Phase CT Meters</b>		
Shifting one Three Phase CT Metering equipment with all fittings including lowering down the WP service wire ,Dismantling meter Board without making damage and refitting the same at new location and redoing the WP service wire with all fittings.	No	906.00
Supervision charges on cost of labour and transportation @10%		90.60
<b>Expenditure to be recovered (Grand total)</b>		<b>996.60</b>
	<b>Rounded to Rs.</b>	<b>997.00</b>
<b>(Rupees Nine hundred and Ninety Seven only)</b>		

**Estimate for Shifting Energy Meters - I.31(d)**

	<b>Unit</b>	<b>Amount</b>
<b>Single Phase ToD Meters</b>		
Shifting one Single Phase ToD Metering equipment with all fittings including lowering down the WP service wire ,Dismantling meter Board without making damage and refitting the same at new location and redoing the WP service wire with all fittings.	No	492.50
Supervision charges on cost of labour and transportation @10%		49.25
<b>Expenditure to be recovered (Grand total)</b>		<b>541.75</b>
	<b>Rounded to Rs.</b>	<b>542.00</b>
<b>(Rupees Five hundred and Forty Two only)</b>		



**Estimate for Shifting Energy Meters - I.31(e)**

	<b>Unit</b>	<b>Amount</b>
<b>Three Phase ToD Meters</b>		
Shifting one Three Phase ToD Metering equipment with all fittings including lowering down the WP service wire ,Dismantling meter Board without making damage and refitting the same at new location and redoing the WP service wire with all fittings.	No	1132.50
Supervision charges on cost of labour and transportation @10%		113.25
<b>Expenditure to be recovered (Grand total)</b>		<b>1245.75</b>
	<b>Rounded to Rs.</b>	<b>1246.00</b>
<b>(Rupees One thousand Two hundred and Forty Six only)</b>		

<b>Dismantling, shifting and re-erecting one LT pole of Single phase OH Line using ACSR Rabbit ( with or without stay)..... Assuming 23 Poles &amp; 20 Stays per km line.</b>		
		<b>II-1</b>
Particulars		Amount
<b>a) Shifting of 28 Nos. LT PSC poles</b>		
	Digging pole pit	228.09
	Fitting and erecting of LT Single pole	844.21
	Dismantling from original position(60% of erection)	506.53
	Giving jumper connection and minor repairs	103.68
	Handling charges LS	66.00
	Total for LT pole.	1748.51
<b>For 28 poles ( 1 Km) Sub Total (a)</b>		<b>48958.17</b>
<b>b) Shifting of 20 Nos. stays</b>		
	Digging one stay pit	228.09
	Erecting one stay for LT pole	324.78
	Dismantling from original position (60% of erection)	194.87
	Handling charges	66.00
	Total for one stay for LT pole	813.74
<b>For 28 stays (1Km) Sub Total (b)</b>		<b>18715.97</b>
<b>c) Shifting of 1 km 11 kV line</b>		
(i)	Cost of conductor for jointing and wastage	1980.00
(ii)	Storage @ 3% of cost of materials	59.40
(iii)	Contingency @ 3% of cost of materials	59.40
(iv)	Overhead charges @10% of cost of materials	198.00
(v)	<b>Total (i+ii+iii+iv)</b>	<b>2296.80</b>
(vi)	Stringing	6782.69
(vii)	Dismantling	4069.61
(viii)	Handling charges	66.00
(ix)	Cost of labour for Shifting 1 km 11 kV line ( vi+vii+viii)	10918.30
(x)	Supervision charges on cost of labour @10% of (ix)	1091.83
(xi)	Total cost for shifting 1 km 11kV line (v+ix+x)	<b>14306.93</b>
(xii)	Total expenditure for 1 km line (a+b+c(xi))	<b>81981.07</b>
(xiii)	<b>Expenditure to be recovered for dismantling, shifting and re erecting one 11KV DP (xii/23)</b>	<b>2927.90</b>
<b>Rounded to Rs.</b>		<b>2950.00</b>
<b>Rupees Two Thousand Nine Hundred and Fifty only</b>		

<b>Dismantling, shifting and re-erecting one LT pole of three phase OH Line using ACSR Rabbit ( with or without stay)..... Assuming 23 Poles &amp; 20 Stays per km line. II-2</b>		
Particulars		Amount
<b>a) Shifting of 28 Nos. LT PSC poles</b>		
	Digging pole pit	228.09
	Fitting and erecting of LT Single pole	844.21
	Dismantling from original position(60% of erection)	506.53
	Giving jumper connection and minor repairs	103.68
	Handling charges LS	66.00
	Total for LT pole.	1748.51
<b>For 28 poles ( 1 Km) Sub Total (a)</b>		<b>48958.17</b>
<b>b)Shifting of 20 Nos. stays</b>		
	Digging one stay pit	228.09
	Erecting one stay for LT pole	324.78
	Dismantling from original position (60% of erection)	194.87
	Handling charges	66.00
	Total for one stay for LT pole	813.74
<b>For 28 stays (1Km) Sub Total (b)</b>		<b>18715.97</b>
<b>c)Shifting of 1 km 11 kV line</b>		
For shifting 1 km LT three phase line, 150 m conductor is required for jointing and wastage		
(i)	Cost of conductor for jointing and wastage	5898.60
(ii)	Storage @ 3% of cost of materials	176.96
(iii)	Contingency @ 3% of cost of materials	176.96
(iv)	Overhead charges @10% of cost of materials	589.86
(v)	<b>Total (i+ii+iii+iv)</b>	<b>6842.38</b>
(vi)	Stringing	13565.38
(vii)	Dismantling	8139.23
(viii)	Handling charges	100.00
(ix)	Cost of labour for Shifting 1 km 11 kV line ( vi+vii+viii)	21804.61
(x)	Supervision charges on cost of labour @10% of (ix)	2180.46
(xi)	Total cost for shifting 1 km 11kV line (v+ix+x)	<b>30827.44</b>
(xii)	Total expenditure for 1 km line {a+b+c(xi)}	<b>98501.59</b>
(xiii)	<b>Expenditure to be recovered for dismantling, shifting and re erecting one 11KV DP (xii/23)</b>	<b>3517.91</b>
	<b>Rounded to Rs.</b>	<b>3550.00</b>
<b>Rupees ThreeThousand Five Hundred and Fifty only</b>		

<b>Dismantling, shifting and re-erecting one 11KV pole with OH Lines using ACSR Racoon Assuming 23 Poles &amp; 20 Stays per km line. II-3</b>		
Particulars		Amount
<b>a) Shifting of 23 Nos 11KV PSC poles</b>		
	Digging one pole pit	414.70
	Fitting and erecting one 11 KV Single Pole	1496.00
	Dismantling from original position	897.60
	Giving jumper connection and minor repairs	66.00
	Handling charges	100.00
	Total for one 11 kV pole	2974.30
<b>For 23 poles ( 1 Km)</b>		<b>Sub Total (a)</b>
		<b>68408.90</b>
<b>b) Shifting of 23 Nos. 11kV stays</b>		
	Digging one stay pit	414.70
	Erecting one stay for 11kV pole	431.75
	Dismantling from original position	259.05
	Handling charges	66.00
	Total for one stay for 11 kV pole	1171.50
<b>For 23 stays (1Km)</b>		<b>Sub Total (b)</b>
		<b>26944.50</b>
<b>c) Shifting of 1 km 11 kV line</b>		
	For shifting 1 km 11 kV line, 100 m conductor is required for jointing and wastage	
(i)	Cost of conductor for jointing and wastage	5856.90
(ii)	Storage @ 3% of cost of materials	175.71
(iii)	Contingency @ 3% of cost of materials	175.71
(iv)	Overhead charges @10% of cost of materials	585.69
(v)	<b>Total (i+ii+iii+iv)</b>	6794.00
(vi)	Stringing	13187.38
(vii)	Dismantling	7912.43
(viii)	Handling charges	296.00
(ix)	Cost of labour for Shifting 1 km 11 kV line <b>( vi+vii+viii)</b>	21395.81
(x)	Supervision charges on cost of labour @10% of (ix)	2139.58
(xi)	Total cost for shifting 1 km 11kV line <b>(v+ix+x)</b>	<b>30329.39</b>
(xii)	Total expenditure for 1 km line (a+b+c(xi))	<b>125682.79</b>
(xiii)	<b>Expenditure to be recovered for dismantling, shifting and re erecting one 11KV DP (xii/23)</b>	<b>5464.47</b>
		<b>Rounded to Rs.</b>
		<b>5500.00</b>
<b>Rupees Five Thousand Five Hundred only</b>		

<b>Dismantling, shifting and re-erecting one 11KV Double Pole (DP) with OH lines using ACSR Racoon. II-4</b>		
<b>Particulars</b>		<b>Amount</b>
<b>a) Shifting 11KV DP using PSC poles</b>		
	Digging pole pit	829.40
	Fitting and erecting of 11 KV Double Pole	4073.30
	Dismantling Double Pole from original position	2443.98
	Giving Jumper connection and minor repairs	66.00
	Handling charges	100.00
<b>Sub -Total (a)</b>		<b>7512.68</b>
<b>b) Shifting one 11 KV stay</b>		
	Digging one stay pit	1658.80
	Erecting one stay	1727.00
	Dismantling from original position	1036.20
	Handling charges	100.00
<b>Sub -Total (b)</b>		<b>4522.00</b>
<b>c) Shifting 1 km 11 KV line</b>		
For shifting 1 km line 100 m conductor is required for jointing and wastage		
(i)	Cost of conductor for jointing and wastage	5856.90
(ii)	Storage @ 3% of cost of materials	175.71
(iii)	Contingency @ 3% of cost of materials	175.71
(iv)	Overhead charges @10% of cost of materials	585.69
(v)	<b>Total (i+ii+iii+iv)</b>	6794.00
(vi)	Stringing	13187.38
(vii)	Dismantling	7912.43
(viii)	Handling charges	296.00
(ix)	Cost of labour for shifting 1Km 11kV line <b>(vi+vii+viii)</b>	21395.81
(x)	Supervision charges on cost of labour @10% of (ix)	2139.58
(xi)	Total cost for shifting 1 km 11kV line <b>(v+ix+x)</b>	30329.39
(xii)	Shifting line for 1 pole (x/23)	<b>1318.67</b>
	<b>Expenditure to be recovered for dismantling, shifting and re erecting one 11KV DP (a+b+c(xii) )</b>	<b>13353.35</b>
<b>Rounded to Rs.</b>		<b>13400.00</b>
	<b>(Rupees Thirteen thousand and Four Hundred only)</b>	

**Adding one conductor (ACSR Rabbit) on the existing poles (where cross arm is available) inclusive of cost of pin and insulator etc (assuming total 28 Nos poles per km (in which 6 Nos are Cut posts.) - II.5**

<b>Sl. No</b>	<b>Qty</b>	<b>Particulars</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	1050	ACSR Rabbit	39.32	M	41286.00
2	14	LT Shackle insulators with straps Bolt & Nuts	42.00	Set	588.00
3	21	LT Pin insulator with pin and packing clamp	44.00	Set	924.00
4	LS	Provision for sectionalizing	LS		522.90
(a)		<b>Cost of materials (sub-total)</b>			<b>43320.90</b>
(b)		Storage @ 3% of cost of materials			1299.63
(c)		Contingency @ 3% of cost of materials			1299.63
(d)		Overhead charges @10% of cost of materials			4332.09
		<b>Expenditure on materials (sub-total)</b>			<b>50252.24</b>
(e)		Cost of labour			26919.11
(f)		Cost of transportation			7424.26
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>34343.37</b>
(g)		Supervision charges on cost of labour and transportation @10%			3434.34
		<b>Grand total</b>			<b>88029.95</b>
		<b>Expenditure to be recovered per metre</b>			<b>88.03</b>
				<b>Rounded to Rs.</b>	<b>88.00</b>
		<b>(Rupees Eighty Eight only)</b>			

**Adding one conductor (ACSR Rabbit) on the existing poles (where cross arm is not available) inclusive of cost of pin and insulator etc .(assuming total 28 Nos poles per kM (in which 6 Nos are Cut posts.) - II.6**

Sl. No	Qty	Particulars	Rate	Unit	Amount
1	1050	ACSR Rabbit	39.32	M	41286.00
2	34	2 line cross arm with clamp	251.00	Nos	8534.00
3	14	LT Shackle with straps Bolt and Nuts	42.00	Set	588.00
4	21	LT pin insulator with pin and packing clamp	44.00	Set	924.00
5	LS	Provision for sectionalizing		LS	522.90
6	15	Bolts and Nuts	75.00	Kg	1125.00
(a)		<b>Cost of materials (sub-total)</b>			<b>52979.90</b>
(b)		Storage @ 3% of cost of materials			1589.40
(c)		Contingency @ 3% of cost of materials			1589.40
(d)		Overhead charges @10% of cost of materials			5297.99
		<b>Expenditure on materials (sub-total)</b>			<b>61456.68</b>
(e)		Cost of labour			34194.44
(f)		Cost of transportation			9448.76
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>43643.20</b>
(g)		Supervision charges on cost of labour and transportation @10%			4364.32
		<b>Grand total</b>			<b>109464.20</b>
		<b>Expenditure to be recovered per metre</b>			<b>109.46</b>
				<b>Rounded to Rs.</b>	<b>109.00</b>
<b>(Rupees One Hundred and Nine only)</b>					
(ACSR Rabbit for Phase and ACSR Weasel for Neutral and street main for 3 phase & ACSR Rabbit for Phase, ACSR Weasel for neutral & street main, for single phase)					

**Adding one conductor (ACSR Weasel) on the existing poles (where cross arm is available) inclusive of cost of insulator, pin etc (assuming total 28 Nos posts in which 6 Nos cut post ) - II-7**

<b>Sl. No</b>	<b>Qty</b>	<b>Particulars</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	1050	ACSR Weasel	24.42	M	25641.00
2	14	LT Shackle insulators with straps Bolt & Nuts	42.00	Set	588.00
3	21	LT Pin insulator with pin and packing clamp	44.00	Set	924.00
4	LS	Provision for sectionalizing	522.9	LS	522.90
(a)		<b>Cost of materials (sub-total)</b>			<b>27675.90</b>
(b)		Storage @ 3% of cost of materials			830.28
(c)		Contingency @ 3% of cost of materials			830.28
(d)		Overhead charges @10% of cost of materials			2767.59
		<b>Expenditure on materials (sub-total)</b>			<b>32104.04</b>
(e)		Cost of labour			26919.11
(f)		cost of transportation			7415.98
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>34335.09</b>
(g)		Supervision charges on cost of labour and transportation @10%			3433.51
		<b>Grand total</b>			<b>69872.65</b>
		<b>Expenditure to be recovered per metre</b>			<b>69.87</b>
				<b>Rounded to Rs.</b>	<b>70.00</b>
<b>(Rupees Seventy only)</b>					



<b>Adding one conductor (ACSR Weasel) on the existing poles (where cross arm is not available) inclusive of cost of insulator, pin etc - II-8</b>					
<b>Sl. No</b>	<b>Qty</b>	<b>Particulars</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	1050	ACSR Weasel	24.42	M	25641.00
2	34	2 line cross arm with clamp	251.00	Nos	8534.00
3	14	LT Shackle with straps Bolt and Nuts	42.00	Set	588.00
4	21	LT pin insulator with pin and packing clamp	44.00	Set	924.00
5	LS	Provision for sectionalizing	522.90	LS	522.90
6	15	Bolts and Nuts	75.00	Kg	1125.00
(a)		<b>Cost of materials (sub-total)</b>			<b>37334.90</b>
(b)		Storage @ 3% of cost of materials			1120.05
(c)		Contingency @ 3% of cost of materials			1120.05
(d)		Overhead charges @10% of cost of materials			3733.49
		<b>Expenditure on materials (sub-total)</b>			<b>43308.48</b>
(e)		Cost of labour			34194.11
(f)		Cost of transportation			9448.76
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>43642.87</b>
(g)		Supervision charges on cost of labour and transportation @10%			4364.29
		<b>Grand total</b>			<b>91315.64</b>
		<b>Expenditure to be recovered per metre</b>			<b>91.32</b>
				<b>Rounded to Rs.</b>	<b>91.00</b>
<b>(Rupees Ninety One only)</b>					
(Rates with ACSR Rabbit for Phase conductors and Weasel for Neutral and street main for 3 phase and ACSR Rabbit for phase, ACSR Weasel for neutral & street main, for single					

<b>Conversion of LT single phase 2 wire to LT 3 Phase 4 wire line - II.9</b>					
<b>Sl. No.</b>	<b>Qty</b>	<b>Particulars</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	2100	ACSR Rabbit	39.32	M	82572.00
2	29	2 Line cross arms with clamp	251.00	Nos	7279.00
3	28	LT Shackle with straps bolts and nuts	42.00	Set	1176.00
4	42	LT Pin insulator with pin and packing clamp	44.00	Set	1848.00
5	12	Bolts and nuts	75.00	Kg	900.00
6	4	LT lightning arrestors	315.00	Nos	1260.00
(a)	<b>Cost of materials (sub-total)</b>				<b>95035.00</b>
(b)	Storage @ 3% of cost of materials				2851.05
(c)	Contingency @ 3% of cost of materials				2851.05
(d)	Overhead charges @10% of cost of materials				9503.50
	<b>Expenditure on materials (sub-total)</b>				<b>110240.60</b>
(e)	Cost of labour				47197.22
(f)	Cost of transportation				13164.17
	<b>Cost of labour and transportation Sub-total (e&amp;f)</b>				<b>60361.39</b>
(g)	Supervision charges on cost of labour and transportation @10%				6036.14
	<b>Grand total</b>				<b>176638.13</b>
	<b>Expenditure to be recovered per metre</b>				<b>176.64</b>
				<b>Rounded to Rs.</b>	<b>177.00</b>
<b>(Rupees One Hundred and Seventy Seven only)</b>					

**Conversion of LT single phase 2 wire to LT three phase 5 wire line - II.10**

<b>Sl. No</b>	<b>Qty</b>	<b>Particulars</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	2100	ACSR Rabbit	39.32	M	82572.00
2	1050	ACSR Weasel	24.42	M	25641.00
3	29	4 Line cross arms with clamp	492.00	Nos	14268.00
4	42	LT Shackle with straps bolts and nuts	42.00	Set	1764.00
5	63	Pin insulator with pin and packing clamp	44.00	Set	2772.00
6	12	Bolts and nuts	75.00	Kg	900.00
7	4	LT lightning arrestors	315.00	Nos	1260.00
(a)		<b>Cost of materials (sub-total)</b>			<b>129177.00</b>
(b)		Storage @ 3% of cost of materials			3875.31
(c)		Contingency @ 3% of cost of materials			3875.31
(d)		Overhead charges @10% of cost of materials			12917.70
		<b>Expenditure on materials (sub-total)</b>			<b>149845.32</b>
(e)		Cost of labour			54296.68
(f)		Cost of transportation			18901.45
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>73198.13</b>
(g)		Supervision charges on cost of labour and transportation @10%			7319.81
		<b>Grand total</b>			<b>230363.26</b>
		<b>Expenditure to be recovered per metre</b>			<b>230.36</b>
			<b>Rounded to Rs.</b>		<b>230.00</b>
<b>(Rupees Two Hundred and Thirty only)</b>					

**Conversion of LT Single Phase three wire line to LT three phase 5 wire line - II.11**

<b>Sl. No</b>	<b>Qty</b>	<b>Particulars</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	2100	ACSR Rabbit	39.32	M	82572.00
2	29	2 Line cross arm with clamp	251.00	Nos	7279.00
3	28	LT Shackle with straps, bolts and nuts	42.00	Set	1176.00
4	42	LT Pin insulator with pin and packing clamp	44.00	Set	1848.00
5	12	Bolts and nuts	75.00	Kg	900.00
6	4	LT lightning arrestors	315.00	Nos	1260.00
(a)		<b>Cost of materials (sub-total)</b>			<b>95035.00</b>
(b)		Storage @ 3% of cost of materials			2851.05
(c)		Contingency @ 3% of cost of materials			2851.05
(d)		Overhead charges @10% of cost of materials			9503.50
		<b>Expenditure on materials (sub-total)</b>			<b>110240.60</b>
(e)		Cost of labour			47197.22
(f)		Cost of transportation			13327.70
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>60524.92</b>
(g)		Supervision charges on cost of labour and transportation @10%			6052.49
		<b>Grand total</b>			<b>176818.01</b>
		<b>Expenditure to be recovered per metre</b>			<b>176.82</b>
			<b>Rounded to Rs.</b>		<b>177.00</b>
<b>(Rupees One Hundred and Seventy Seven only)</b>					

<b>Drawing Single Phase 2 wire line under existing HT line - II.12</b>					
<b>SI No</b>	<b>Qty</b>	<b>Particulars</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	4	4 Line Cross arm with clamp	492.00	Nos.	1968.00
2	16	2 Line cross arm with clamp	251.00	Nos.	4016.00
3	18	LT Shackles with straps Bolts and Nuts	42.00	Nos.	756.00
4	32	LT Pin insulator with pin and packing clamp	44.00	set	1408.00
5	15	Bolt and Nuts of size	75.00	Kg	1125.00
6	2100	ACSR Rabbit	39.32	M	82572.00
7	2	LT Lightning Arrestor	315.00	Nos.	630.00
8	6	Earthing complete	693.12	Nos.	4158.72
9	LS	Provision for sectionalizing	1720.69	LS	1720.69
10	20	Composite LT spacers	56.25	Each	1125.00
(a)		<b>Cost of materials (sub-total)</b>			<b>99479.41</b>
(b)		Storage @ 3% of cost of materials			2984.38
(c)		Contingency @ 3% of cost of materials			2984.38
(d)		Overhead charges @10% of cost of materials			9947.94
		<b>Expenditure on materials (sub-total)</b>			<b>115396.12</b>
(e)		Cost of labour			38946.78
(f)		Cost of transportation			13327.70
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>52274.48</b>
(g)		Supervision charges on cost of labour and transportation @10%			5227.45
		<b>Grand total</b>			<b>172898.04</b>
		<b>Expenditure to be recovered per metre</b>			<b>172.90</b>
				<b>Rounded to Rs.</b>	<b>173.00</b>
<b>(Rupees One Hundred and Seventy Three only)</b>					

<b>Drawing Single Phase 3 wire line under existing HT line- II.13</b>					
<b>SI No</b>	<b>Qty</b>	<b>Particulars</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	20	4 Line Cross arm with clamp	492.00	Nos.	9840.00
2	27	LT Shackles with straps and bolts	42.00	Nos.	1134.00
3	48	LT Pin insulator with pin and packing clamp	44.00	set	2112.00
4	20	Bolt and Nuts of size	75.00	Kg	1500.00
5	2100	ACSR Rabbit	39.32	M	82572.00
6	1050	ACSR Weasel	24.42	M	25641.00
7	2	LT Lightning Arrestor	315.00	Nos.	630.00
8	6	Earthing complete	693.12	Nos.	4158.72
9	LS	Provision for sectionalising	1720.69	LS	1720.69
10	20	Composite LT spacers	56.25	Nos.	1125.00
(a)		<b>Cost of materials (sub-total)</b>			<b>130433.41</b>
(b)		Storage @ 3% of cost of materials			3913.00
(c)		Contingency @ 3% of cost of materials			3913.00
(d)		Overhead charges @10% of cost of materials			13043.34
		<b>Expenditure on materials (sub-total)</b>			<b>151302.76</b>
(e)		Cost of labour			43877.44
(f)		Cost of transportation			13327.70
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>57205.14</b>
(g)		Supervision charges on cost of labour and transportation @10%			5720.51
		<b>Grand total</b>			<b>214228.41</b>
		<b>Expenditure to be recovered per metre</b>			<b>214.23</b>
				<b>Rounded to Rs.</b>	<b>214.00</b>
<b>(Rupees Two Hundred and Fourteen only)</b>					

<b>Drawing 3 phase 4 wire line under existing HT line- II.14</b>					
<b>SI No</b>	<b>Qty</b>	<b>Particulars</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	20	4 Line Cross arm with clamp	492.00	Nos.	9840.00
2	36	LT Shackles with straps, Nut and Bolts	42.00	Nos.	1512.00
3	64	Pin insulator with pin and packing clamp	44.00	set	2816.00
4	20	Bolt and Nuts of sizes	75.00	Kg	1500.00
5	3150	ACSR Rabbit	39.32	M	123858.00
6	1050	ACSR Weasel	24.42	M	25641.00
7	6	LT Lightning Arrestor	315.00	Nos.	1890.00
8	6	Earthing complete	693.12	Nos.	4158.72
9	LS	Provision for sectionalizing	1720.69	LS	1720.69
10	20	Composite LT spacers	56.25	Nos.	1125.00
(a)		<b>Cost of materials (sub-total)</b>			<b>174061.41</b>
(b)		Storage @ 3% of cost of materials			5221.84
(c)		Contingency @ 3% of cost of materials			5221.84
(d)		Overhead charges @10% of cost of materials			<b>17406.14</b>
		<b>Expenditure on materials (sub-total)</b>			<b>201911.24</b>
(e)		Cost of labour			49432.77
(f)		Cost of transportation	4075.00		13327.70
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>62760.47</b>
(g)		Supervision charges on cost of labour and transportation @10%			6276.05
		<b>Grand total</b>			<b>270947.75</b>
		<b>Expenditure to be recovered per metre</b>			<b>270.95</b>
				<b>Rounded to Rs.</b>	<b>271.00</b>
<b>(Rupees Two Hundred and Seventy One only)</b>					

<b>Drawing Three phase 5 wire line under existing HT line- II.15</b>					
<b>SI No</b>	<b>Qty</b>	<b>Particulars</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	20	4 Line Cross arm with clamp	492.00	Nos.	9840.00
2	20	2 Line cross arm with clamp	251.00	Nos.	5020.00
3	45	LT Shackles with straps and bolts and Nuts	42.00	Nos.	1890.00
4	80	LT Pin insulator with pin and packing clamp	44.00	set	3520.00
5	30	Bolt and Nuts of sizes	75.00	Kg	2250.00
6	3150	ACSR Rabbit	39.32	M	123858.00
7	2100	ACSR Weasel	24.42	M	51282.00
8	6	LT Lightning Arrestor	315.00	Nos.	1890.00
9	6	Earthing complete	693.12	Nos.	4158.72
10	LS	Provision for sectionalising	1720.69	LS	1720.69
11	20	Composite LT spacers	56.25	Nos.	1125.00
(a)		<b>Cost of materials (sub-total)</b>			<b>206554.41</b>
(b)		Storage @ 3% of cost of materials			6196.63
(c)		Contingency @ 3% of cost of materials			6196.63
(d)		Overhead charges @10% of cost of materials			20655.44
		<b>Expenditure on materials (sub-total)</b>			<b>239603.12</b>
(e)		Cost of labour			53284.30
(f)		cost of transportation			13327.70
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>66612.00</b>
(g)		Supervision charges on cost of labour and transportation @10%			6661.20
		<b>Grand total</b>			<b>312876.32</b>
		<b>Expenditure to be recovered per metre</b>			312.88
				<b>Rounded to Rs.</b>	<b>313.00</b>
<b>(Rupees Three Hundred and Thirteen only)</b>					



<b>Construction of LT Single Phase 2 Wire line- II.16</b>					
Sl. No	Qty	Particulars	Rate	Unit	Amount
1	30	LT PSC Post 8 m	2141.00	Nos.	64230.00
2	4	4 Line Cross arm with clamp	492.00	Nos.	1968.00
3	28	2 Line cross arm with clamp	251.00	Nos.	7028.00
4	28	LT Shackles with straps Bolts & Nuts	42.00	Nos.	1176.00
5	42	LT Pin insulator with pin and packing clamp	44.00	Set	1848.00
6	15	Bolt and Nuts of size	75.00	Kg	1125.00
7	10	Stay set complete	905.00	Set	9050.00
8	2100	ACSR Rabbit	39.32	M	82572.00
10	4	Clamp for 2 Nos. strut	147.00	Nos	588.00
11	2	LT Lightning Arrestor	315.00	Nos.	630.00
12	6	Earthing complete	693.12	Nos.	4158.72
13	LS	Provision for sectionalising	1720.69	LS	1720.69
14	20	Composite LT spacers	56.25	Nos.	1125.00
(a)		<b>Cost of materials (sub-total)</b>			<b>177219.41</b>
(b)		Storage @ 3% of cost of materials			5316.58
(c)		Contingency @ 3% of cost of materials			5316.58
(d)		Overhead charges @10% of cost of materials			17721.94
		<b>Expenditure on materials (sub-total)</b>			<b>205574.52</b>
(e)		Cost of labour			82888.10
(f)		Cost of transportation			13327.70
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>96215.80</b>
(g)		Supervision charges on cost of labour and transportation @10%			9621.58
		<b>Grand total</b>			<b>311411.90</b>
		<b>Expenditure to be recovered per metre</b>			311.41
				<b>Rounded to Rs.</b>	<b>311.00</b>
<b>(Rupees Three Hundred and Eleven only)</b>					

Construction of LT Single Phase 3 Wire line- II.17					
Sl No	Qty	Particulars	Rate	Unit	Amount
1	30	LT PSC Post 8 m	2141.00	Nos.	64230.00
2	28	4 Line Cross arm with clamp	492.00	Nos.	13776.00
3	42	Shackles with straps and bolts	42.00	Nos.	1764.00
4	63	Pin insulator with pin and packing clamp	44.00	set	2772.00
5	20	Bolt and Nuts of size	75.00	Kg	1500.00
6	4	Clamp for 2 Nos. strut	147.00	Nos	588.00
7	20	Stay set complete	905.00	set	18100.00
8	2100	ACSR Rabbit	39.32	M	82572.00
9	1050	ACSR Weasel	24.42	M	25641.00
10	2	LT Lightning Arrestor	315.00	Nos.	630.00
11	6	Earthing complete	693.12	Nos.	4158.72
12	LS	Provision for sectionalising	1720.69	LS	1720.69
13	20	Composite LT spacers	56.25	Nos.	1125.00
(a)		<b>Cost of materials (sub-total)</b>			<b>218577.41</b>
(b)		Storage @ 3% of cost of materials			6557.32
(c)		Contingency @ 3% of cost of materials			6557.32
(d)		Overhead charges @10% of cost of materials			21857.74
		<b>Expenditure on materials (sub-total)</b>			<b>253549.80</b>
(e)		Cost of labour			87762.97
(f)		Cost of transportation			13327.70
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>101090.67</b>
(g)		Supervision charges on cost of labour and transportation @10%			10109.07
		<b>Grand total</b>			<b>364749.53</b>
		<b>Expenditure to be recovered per metre</b>			364.75
				<b>Rounded to Rs.</b>	<b>365.00</b>
<b>(Rupees Three Hundred and Sixty Five only)</b>					

<b>Construction of LT Three Phase 4 Wire line- II.18</b>					
SI No	Qty	Particulars	Rate	Unit	Amount
1	30	LT PSC Post 8 m	2141.00	Nos.	64230.00
2	28	4 Line Cross arm with clamp, Bolt & Nuts	492.00	Nos.	13776.00
3	56	LT Shackles with straps and bolts	42.00	Nos.	2352.00
4	84	LT Pin insulator with pin and packing clamp	44.00	Set	3696.00
5	20	Bolt and Nuts of size	75.00	Kg	1500.00
6	20	Stay set complete	905.00	Set	18100.00
7	3150	ACSR Rabbit	39.32	M	123858.00
8	1050	ACSR Weasel	24.42	M	25641.00
9	4	Clamp for 2 Nos. strut	147.00	Nos	588.00
10	6	LT Lightning Arrestor	315.00	Nos.	1890.00
11	6	Earthing complete	693.12	Nos.	4158.72
12	LS	Provision for sectionalising	1720.69	LS	1720.69
13	LS	Provision for helically formed fitting		LS	7592.40
14	20	Composite LT spacers	56.25	Nos.	1125.00
(a)		<b>Cost of materials (sub-total)</b>			<b>270227.81</b>
(b)		Storage @ 3% of cost of materials			8106.83
(c)		Contingency @ 3% of cost of materials			8106.83
(d)		Overhead charges @10% of cost of materials			27022.78
		<b>Expenditure on materials (sub-total)</b>			<b>313464.26</b>
(e)		Cost of labour			89795.68
(f)		Cost of transportation			13327.70
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>103123.38</b>
(g)		Supervision charges on cost of labour and transportation @10%			10312.34
		<b>Grand total</b>			<b>426899.98</b>
		<b>Expenditure to be recovered per metre</b>			426.90
				<b>Rounded to Rs.</b>	<b>427.00</b>
<b>(Rupees Four Hundred and Twenty Seven only)</b>					

Construction of LT Three Phase 5 Wire line - II.19					
SI No	Qty	Particulars	Rate	Unit	Amount
1	30	LT PSC Post 8 m	2141.00	Nos.	64230.00
2	28	4 Line Cross arm with clamp	492.00	Nos.	13776.00
3	28	2 Line cross arm with clamp	251.00	Nos.	7028.00
4	70	LT Shackles with straps and bolts	42.00	Nos.	2940.00
5	105	LT Pin insulator with pin and packing clamp	44.00	Set	4620.00
6	30	Bolt and Nuts of size	75.00	Kg	2250.00
7	20	Stay set complete	905.00	Set	18100.00
8	3150	ACSR Rabbit	39.32	M	123858.00
9	2100	ACSR Weasel	24.42	M	51282.00
10	4	Clamp for 2 Nos. strut	147.00	Nos	588.00
11	6	LT Lightning Arrestor	315.00	Nos.	1890.00
12	6	Earthing complete	693.12	Nos.	4158.72
13	LS	Provision for sectionalising	1720.69	LS	1720.69
14	20	Composite LT spacers	56.25	Nos.	1125.00
(a)		<b>Cost of materials (sub-total)</b>			<b>297566.41</b>
(b)		Storage @ 3% of cost of materials			8926.99
(c)		Contingency @ 3% of cost of materials			8926.99
(d)		Overhead charges @10% of cost of materials			29756.64
		<b>Expenditure on materials (sub-total)</b>			<b>345177.04</b>
(e)		Cost of labour			91962.51
(f)		Cost of transportation			13327.70
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>105290.21</b>
(g)		Supervision charges on cost of labour and transportation @10%			10529.02
		<b>Grand total</b>			<b>460996.27</b>
		<b>Expenditure to be recovered per metre</b>			460.996
				<b>Rounded to Rs.</b>	<b>461.00</b>
		<b>(Rupees Four Hundred and Sixty One only)</b>			

**Construction of 11KV line using ACSR Rabbit (with out tree cutting compensation)-  
II.20**

SI No	Qty	Particulars	Rate	Unit	Amount
1	24	PSC Post 9 m	3353.00	Nos.	80472.00
2	16	V cross arm with clamp	962.00	Nos.	15392.00
3	27	MS Cleat	56.00	Nos.	1512.00
4	90	Washers of sizes	6.25	Nos.	562.50
5	50	Bolt and Nuts of size	75.00	Kg	3750.00
6	21	Stay set complete	1224.00	Set	25704.00
7	3150	ACSR Rabbit	39.32	M	123858.00
8	125	Angles and channels	77.00	Kg	9625.00
9	27	Tension set with single disc	423.00	Set	11421.00
10	16	Provision for coil earthing	693.12	Nos.	11089.92
11	48	11 KV Pin insulator set	120.00	Nos.	5760.00
12	16	Pole top bracket	119.00	Nos.	1904.00
13	8	Provision for pipe earthing	2627.50	set	21020.00
(a)		<b>Cost of materials (sub-total)</b>			<b>312070.42</b>
(b)		Storage @ 3% of cost of materials			9362.11
(c)		Contingency @ 3% of cost of materials			9362.11
(d)		Overhead charges @10% of cost of materials			31207.04
		<b>Expenditure on materials (sub-total)</b>			<b>362001.69</b>
(e)		Cost of labour			99801.64
(f)		Cost of transportation			9994.50
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>109796.14</b>
(g)		Supervision charges on cost of labour and transportation @10%			10979.61
		<b>Grand total</b>			<b>482777.44</b>
		<b>Expenditure to be recovered per metre</b>			482.78
		<b>Rounded to Rs.</b>			<b>483.00</b>
<b>(Rupees Four Hundred and Eighty three only)</b>					
Note : Amount for PTCC Clearance and Tree Cutting Costs shall be recovered extra, on actuals					

**Construction of 11KV line using ACSR Raccoon  
(with out tree cutting compensation ) - II.21**

SI No	Qty	Particulars	Rate	Unit	Amount
1	24	PSC Post 9 m	3353.00	Nos.	80472.00
2	16	V cross arm with clamp	962.00	Nos.	15392.00
3	27	MS Cleat	74.00	Nos.	1998.00
4	90	Washers of sizes	6.25	Nos.	562.50
5	50	Bolt and Nuts of size	75.00	Kg	3750.00
6	21	Stay set complete	1224.00	Set	25704.00
7	3150	ACSR Raccoon	58.57	M	184495.50
8	125	Angles and channels	77.00	Kg	9625.00
9	27	Tension set with single disc	423.00	Set	11421.00
10	16	Provision for coil earthing	693.12	Nos.	11089.92
11	48	11 KV Pin insulator set	120.00	Nos.	5760.00
12	16	Pole top bracket	119.00	Nos.	1904.00
13	8	Provision for pipe earthing	2627.50	Set	21020.00
(a)		<b>Cost of materials (sub-total)</b>			<b>373193.92</b>
(b)		Storage @ 3% of cost of materials			11195.82
(c)		Contingency @ 3% of cost of materials			11195.82
(d)		Overhead charges @10% of cost of materials			37319.39
		<b>Expenditure on materials (sub-total)</b>			<b>432904.95</b>
(e)		Cost of labour			99801.64
(f)		Cost of transportation			9994.95
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>109796.59</b>
(g)		Supervision charges on cost of labour and transportation @10%			10979.66
		<b>Grand total</b>			<b>553681.20</b>
		<b>Expenditure to be recovered per metre</b>			553.68
		<b>Rounded to Rs.</b>			554.00
<b>(Rupees Five Hundred and Fifty Four only)</b>					
Note : Amount for PTCC Clearance and Tree Cutting Costs shall be recovered extra, on actuals					

<b>Installation of 1 No. 11 KV/ 433 V, 25 KVA Transformer ( pole mounted )- III.1</b>					
<b>SI No</b>	<b>Qty</b>	<b>Particulars</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	1	25 KVA Transformer	52100.00	Each	52100.00
2	2	PSC Pole 9M	3353.00	Each	6706.00
3	8	Channel Cross Arm 3M with clamp	2206.00	Each	17648.00
4	15	Bolt & Nut of sizes	75.00	kg	1125.00
5	40	Washers of sizes	6.25	Each	250.00
6	1	11 kV AB Switch	9884.00	Each	9884.00
7	3	D. O. Fuse unit	656.00	Each	1968.00
8	3	11 kV Lightning Arrestor	306.00	Each	918.00
9	5	Provision for earthing	693.12	Each	3465.60
10	1	Provision for Jumpering	1175.63	LS	1175.63
11	1	Provision for Clamping	534.38	LS	534.38
12	9	Fuse unit 63A	259.00	Each	2331.00
13	1	Distribution Box	20250.00	LS	20250.00
14	2	Statutory Boards	12.00	Each	24.00
15	4	2 line X-arm	251.00	Each	1004.00
16	1	Lock & Key	137.50	Each	137.50
(a)		<b>Cost of materials (sub-total)</b>			<b>119521.11</b>
(b)		Storage @ 3% of cost of materials			3585.63
(c)		Contingency @ 3% of cost of materials			3585.63
(d)		Overhead charges @10% of cost of materials			11952.11
		<b>Expenditure on materials (sub-total)</b>			<b>138644.49</b>
(e)		Electrical Inspectorate Fees			775.00
(f)		Cost of labour			26744.94
(g)		cost of transportation			6662.21
		<b>Cost of labour and transportation Sub-total (f&amp;g)</b>			<b>33407.15</b>
(h)		Supervision charges on cost of labour and transportation @10%			3340.72
		<b>Expenditure to be recovered (Grand total)</b>			<b>176167.35</b>
<b>Rounded to Rs.</b>					<b>176200.00</b>
<b>Rupees One Lakh Seventy Six Thousand and Two Hundred Only</b>					
Note : Amount, if any, for PTCC Clearance and Tree Cutting Costs shall be collected extra					

<b>Installation of 1 No. 11 KV/ 433 V , 100 KVA Transformer ( pole mounted )-III.2</b>					
<b>SI No</b>	<b>Qty</b>	<b>Particulars</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	1	100 KVA Transformer	121500.00	Each	121500.00
2	2	PSC Pole 9M	3353.00	Each	6706.00
3	8	Channel Cross Arm 3M with clamp	2206.00	Each	17648.00
4	15	Bolt & Nut of sizes	75.00	kg	1125.00
5	40	Washers of sizes	6.25	Each	250.00
6	1	11 kV AB Switch	9884.00	Each	9884.00
7	3	D. O. Fuse unit	656.00	Each	1968.00
8	3	11 kV Lightning Arrestor	306.00	Each	918.00
9	5	Provision for earthing	2627.50	Each	13137.50
10	1	Provision for Jumpering	1175.63	LS	1175.63
11	1	Provision for Clamping	534.38	LS	534.38
12	6	Fuse unit 200A	723.00	Each	4338.00
13	1	Distribution Box	20250.00	LS	20250.00
14	2	Statutory Boards	12.00	Each	24.00
15	4	2 line X-arm	251.00	Each	1004.00
16	1	Lock & Key	137.50	Each	137.50
(a)		<b>Cost of materials (sub-total)</b>			<b>200600.01</b>
(b)		Storage @ 3% of cost of materials			6018.00
(c)		Contingency @ 3% of cost of materials			6018.00
(d)		Overhead charges @10% of cost of materials			20060.00
		<b>Expenditure on materials (sub-total)</b>			<b>232696.01</b>
(e)		Electrical Inspectorate Fees			1150.00
(f)		Cost of labour			30961.72
(g)		cost of transportation			6662.21
		<b>Cost of labour and transportation Sub-total (f&amp;g)</b>			<b>37623.93</b>
(h)		Supervision charges on cost of labour and transportation @10%			3762.39
		<b>Expenditure to be recovered (Grand total)</b>			<b>275232.33</b>
<b>Rounded to Rs.</b>					<b>275250.00</b>
<b>Rupees Two Lakhs Seventy Five thousand Two hundred and Fifty Only</b>					
Note : Amount, if any, for PTCC Clearance and Tree Cutting Costs shall be collected extra					



<b>Installation of 1 No. 11 KV/ 433 V , 160 KVA Transformer - III.3</b>					
SI No	Qty	Particulars	Rate	Unit	Amount
1	1	160 KVA Transformer	177000.00	Each	177000.00
2	2	PSC Pole 9M	3353.00	Each	6706.00
3	1	Constructing Plinth	20874.51	Each	20874.51
4	6	Channel Cross Arm 3M with clamp	2206.00	Each	13236.00
5	15	Bolt & Nut of sizes	75.00	kg	1125.00
6	40	Washers of sizes	6.25	Each	250.00
7	1	11 kV AB Switch	9884.00	Each	9884.00
8	3	D. O. Fuse unit	656.00	Each	1968.00
9	3	11 kV Lightning Arrestor	306.00	Each	918.00
10	5	Provision for earthing	2627.50	Each	13137.50
11	1	Provision for Jumpering	1175.63	LS	1175.63
12	1	Provision for Clamping	534.38	LS	534.38
13	6	Fuse unit 200A	723.00	Each	4338.00
14	1	Distribution Box	20250.00	LS	20250.00
15	2	Statutory Boards	12.00	Each	24.00
16	4	2 line X-arm	251.00	Each	1004.00
17	1	Lock & Key	137.50	Each	137.50
(a)		<b>Cost of materials (sub-total)</b>			<b>272562.52</b>
(b)		Storage @ 3% of cost of materials			8176.88
(c)		Contingency @ 3% of cost of materials			8176.88
(d)		Overhead charges @10% of cost of materials			27256.25
		<b>Expenditure on materials (sub-total)</b>			<b>316172.52</b>
(e)		Electrical Inspectorate Fees			1450.00
(g)		Cost of labour			33350.72
(g)		cost of transportation			13327.70
		<b>Cost of labour and transportation Sub-total (f&amp;g)</b>			<b>46678.42</b>
(h)		Supervision charges on cost of labour and transportation @10%			4667.84
		<b>Expenditure to be recovered (Grand total)</b>			<b>368968.79</b>
<b>Rounded to Rs.</b>					<b>369000.00</b>
<b>Rupees Three Lakhs Sixty Nine thousand Only</b>					
Note : Amount, if any, for PTCC Clearance and Tree Cutting Costs shall be collected extra					

<b>Installation of 1 No. 11 KV/ 433 V , 250 KVA Transformer- III.4</b>					
<b>SI No</b>	<b>Qty</b>	<b>Particulars</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	1	250 KVA Transformer	206500.00	Each	206500.00
2	2	PSC Pole 9M	3353.00	Each	6706.00
3	1	Constructing Plinth	20874.51	Each	20874.51
4	6	Channel Cross Arm 3M with clamp	2206.00	Each	13236.00
5	15	Bolt & Nut of sizes	75.00	kg	1125.00
6	40	Washers of sizes	6.25	Each	250.00
7	1	11 kV AB Switch	9884.00	Each	9884.00
8	3	D. O. Fuse unit	656.00	Each	1968.00
9	3	11 kV Lightning Arrestor	306.00	Each	918.00
10	5	Provision for earthing	2627.50	Each	13137.50
11	1	Provision for Jumpering	1175.63	LS	1175.63
12	1	Provision for Clamping	534.38	LS	534.38
13	6	Fuse unit 300A	1153.00	Each	6918.00
14	1	Distribution Box	20250.00	LS	20250.00
15	2	Statutory Boards	12.00	Each	24.00
16	4	2 line X-arm	251.00	Each	1004.00
17	1	Lock & Key	137.50	Each	137.50
(a)		<b>Cost of materials (sub-total)</b>			<b>304642.52</b>
(b)		Storage @ 3% of cost of materials			9139.28
(c)		Contingency @ 3% of cost of materials			9139.28
(d)		Overhead charges @10% of cost of materials			30464.25
		<b>Expenditure on materials (sub-total)</b>			<b>353385.32</b>
(e)		Electrical Inspectorate Fees			1900.00
(f)		Cost of labour			35977.19
(g)		cost of transportation			13327.70
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>49304.89</b>
(h)		Supervision charges on cost of labour and transportation @10%			4930.49
		<b>Expenditure to be recovered (Grand total)</b>			<b>409520.70</b>
<b>Rounded to Rs.</b>					<b>409550.00</b>
<b>Rupees Four Lakhs Nine thousand Five hundred and Fifty Only</b>					
Note : Amount, if any, for PTCC Clearance and Tree Cutting Costs shall be collected					

<b>Installation of 1 No. 11 KV/ 433 V , 500 KVA Transformer- III.5</b>					
SI No	Qty	Particulars	Rate	Unit	Amount
1	1	500 KVA Transformer	396174.00	Each	396174.00
2	2	PSC Pole 9M	3353.00	Each	6706.00
3	1	Constructing Plinth	20874.51	Each	20874.51
4	6	Channel Cross Arm 3M with clamp	2206.00	Each	13236.00
5	15	Bolt & Nut of sizes	75.00	kg	1125.00
6	40	Washers of sizes	6.25	Each	250.00
7	1	11 kV AB Switch	9884.00	Each	9884.00
8	3	D. O. Fuse unit	656.00	Each	1968.00
9	3	11 kV Lightning Arrestor	306.00	Each	918.00
10	5	Provision for earthing	2627.50	Each	13137.50
11	1	Provision for Jumpering	1175.63	LS	1175.63
12	1	Provision for Clamping	534.38	LS	534.38
13	12	Fuse unit 300A	1153.00	Each	13836.00
14	1	Distribution Box	30000.00	LS	30000.00
15	2	Statutory Boards	12.00	Each	24.00
16	4	2 line X-arm	251.00	Each	1004.00
17	1	Lock & Key	137.50	Each	137.50
(a)		<b>Cost of materials (sub-total)</b>			<b>510984.52</b>
(b)		Storage @ 3% of cost of materials			15329.54
(c)		Contingency @ 3% of cost of materials			15329.54
(d)		Overhead charges @10% of cost of materials			51098.45
		<b>Expenditure on materials (sub-total)</b>			<b>592742.04</b>
(e)		Electrical Inspectorate Fees			3150.00
(f)		Cost of labour			40177.06
(g)		cost of transportation			13327.70
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>53504.76</b>
(h)		Supervision charges on cost of labour and transportation @10%			5350.48
		<b>Expenditure to be recovered (Grand total)</b>			<b>654747.28</b>
<b>Rounded to Rs.</b>					<b>654750.00</b>
<b>Rupees Six Lakhs Fifty Four thousand Seven hundred and Fifty Only</b>					
Note : Amount, if any, for PTCC Clearance and Tree Cutting Costs shall be collected extra					

<b>Installation of double tube fittings including cost of fluorescent tubes - IV.1</b>					
<b>Sl. No.</b>	<b>Qty</b>	<b>Particulars</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	1	Street light fitting with 2x40 Watts FT with CBN	1605.00	No.	1605.00
2	1	Pipe Fitting for double FT with CBN for street light fitting	795.00	No.	795.00
3	LS	Weather proof wire and wiring clip	200.00	LS	200.00
(a)	<b>Cost of materials (sub-total)</b>				<b>2600.00</b>
(b)	Storage @ 3% of cost of materials				78.00
(c)	Contingency @ 3% of cost of materials				78.00
(d)	Overhead charges @10% of cost of materials				260.00
<b>Expenditure on materials (sub-total)</b>					<b>3016.00</b>
(e)	Cost of labour				357.19
(f)	cost of transportation				134.09
<b>Cost of labour and transportation Sub-total (e&amp;f)</b>					<b>491.28</b>
(g)	Supervision charges on cost of labour and transportation @10%				49.13
<b>Expenditure to be recovered (Grand total)</b>					<b>3556.41</b>
			<b>Rounded to Rs.</b>		3600.00
<b>Rupees Three Thousand Six Hundred only</b>					

<b>Installation of ordinary Street light - IV.2</b>					
<b>Sl. No.</b>	<b>Qty</b>	<b>Particulars</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
1	1	Street light fittings	450.00	No.	450.00
2	1	DC reflector with nipples and holders	200.00	No.	200.00
3	LS	Weather proof wire and wiring clip,40 W lamp	195.00	LS	195.00
(a)		<b>Cost of materials (sub-total)</b>			<b>845.00</b>
(b)		Storage @ 3% of cost of materials			25.35
(c)		Contingency @ 3% of cost of materials			25.35
(d)		Overhead charges @10% of cost of materials			84.50
		<b>Expenditure on materials (sub-total)</b>			<b>980.20</b>
(e)		Cost of labour			257.00
(f)		cost of transportation			134.55
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>			<b>391.55</b>
(g)		Supervision charges on cost of labour and transportation @10%			39.16
		<b>Expenditure to be recovered (Grand total)</b>			<b>1410.91</b>
<b>Rounded to Rs.</b>					<b>1450.00</b>
<b>Rupees One Thousand Four Hundred and Fifty only</b>					

<b>Estimate for installation of Data Aquisition compatible Extensible type Ring Main Unit without VCB -CCC (E) - VI.1</b>						
<b>SI No.</b>	<b>Qty.</b>	<b>Particulars</b>	<b>Rate (Rs)</b>	<b>Unit</b>	<b>Amount(Rs)</b>	
1	(a)	1 No.	Cost of 11 KV DA Compatible outdoor extensible type RMU with 3 load break switches	2,65,000.00	E	265000.00
	(b)	2 Nos.	Cost of providing earthing	2,627.50	M	5255.00
(a)	<b>Cost of materials (sub-total)</b>					270255.00
(b)	Storage @ 3% of cost of materials					8107.65
(c)	Contingency @ 3% of cost of materials					8107.65
(d)	Overhead charges @10% of cost of materials					27025.50
	<b>Expenditure on materials (sub-total)</b>					<b>313495.80</b>
(e)	Cost of labour					12560.00
(f)	Cost of transportation					6900.00
	Cost of construction of foundation handling, erection, conveyance and allignment					70175.00
	<b>Cost of labour and transportation Sub-total (e&amp;f)</b>					<b>89635.00</b>
(g)	Supervision charges on cost of labour and transportation @10%					8963.50
	<b>Expenditure to be recovered (Grand total)</b>					<b>412094.30</b>
					<b>Rounded to</b>	<b>412100.00</b>
<b>Rupees Four Lakhs Twelve Thousand and One Hundred only</b>						
Note: Cost for providing cable termination additional cable and straight joint kit and labour charge may be realised from the consumers as per actuals.						

Estimate for installation of DA compatible Extensible type Ring Main Unit with VCB -CTC (E) - VI.2						
Sl No.	Qty.	Particulars	Rate	Unit	Amount	
1	(a)	1 No.	Cost of 11 KV DA Compatible outdoor extensible type RMU with 2 load break switches	3,17,000.00	E	3,17,000.00
	(b)	2 Nos.	Cost of providing earthing	2,627.50	M	5,255.00
	(a)	<b>Cost of materials (sub-total)</b>				3,22,255.00
	(b)	Storage @ 3% of cost of materials				9,667.65
	(c)	Contingency @ 3% of cost of materials				9,667.65
	(d)	Overhead charges @10% of cost of materials				32,225.50
		<b>Expenditure on materials (sub-total)</b>				<b>3,73,815.80</b>
	(e)	Cost of labour				6,280.00
	(f)	Cost of transportation				6,900.00
	(g)	Cost of construction of foundation handling, erection, conveyance and allignment				70,175.00
		<b>Cost of labour and transportation Sub-total (e&amp;f)</b>				<b>83,355.00</b>
	(h)	Supervision charges on cost of labour and transportation @10%				8,335.50
		<b>Expenditure to be recovered (Grand total)</b>				<b>4,65,506.30</b>
<b>Rounded to</b>						<b>4,65,550.00</b>
<b>Rupees Four Lakhs Sixty Five Thousand Five Hundred and Fifty only</b>						
Note: Cost for Providing cable termination additional cable and straight joint kit and labour charges may be realised from the consumers as per actuals.						

<b>Estimate for installation of DA compatible Extensible add-on type Ring Main Unit without VCB (Single Switch C-Extension)- VI.3</b>						
SI No.	Qty.	Particulars	Rate (Rs)	Unit	Amount (Rs)	
1	(a)	1 No.	Cost of RMU extensible on both sides with motors for remote switching and DA Compatible	1,72,000.00	E	1,72,000.00
	(b)	1 No.	Cost of bus bars, bolts/nuts, jointing solvents, covering materials, sleeves etc. for connecting the add on unit	25,000.00	M	25,000.00
	(a)	<b>Cost of materials (sub-total)</b>				<b>1,97,000.00</b>
	(b)	Storage @ 3% of cost of materials				5,910.00
	(c)	Contingency @ 3% of cost of materials				5,910.00
	(d)	Overhead charges @10% of cost of materials				19,700.00
		<b>Expenditure on materials (sub-total)</b>				<b>2,28,520.00</b>
	(e)	Cost of labour				15,700.00
	(f)	Cost of transportation				6,900.00
	(g)	Cost of construction of foundation fencing, and yard metalling				70,175.00
	(h)	Labour charges for connecting bus bars to the existing RMUs/new extension heat shrinkable covers, applying water resistant compound etc				15,700.00
		<b>Cost of labour and transportation Sub-total</b>				<b>1,08,475.00</b>
	(i)	Supervision charges on cost of labour and transportation @10%				10,847.50
		<b>Expenditure to be recovered (Grand total)</b>				<b>3,47,842.50</b>
<b>Rounded to</b>						<b>3,47,850.00</b>
<b>Rupees Three Lakhs Forty Seven Thousand Eight Hundred and Fifty only</b>						
Note: Cost for providing cable termination additional cable and straight joint kit and labour charge may be realised from the consumers as per actuals.						



<b>Estimate for installation of DA compatible, Extensible, add-on type Ring Main Unit with VCB (Single Switch T-Extension)- VI 4</b>							
SI No.		Qty.	Particulars	Rate	Unit	Amount	
1	(a)	1 No.	Cost of RMU extensible on both sides with motors for remote switching and DA Compatible	232000.00	E	232000.00	
	(b)	1 No.	Cost of bus bars, bolts/nuts, jointing solvents, covering materials, sleeves etc. for connecting the add on unit	25000.00	Set	25000.00	
	(a)	<b>Cost of materials (sub-total)</b>					<b>257000.00</b>
	(b)	Storage @ 3% of cost of materials					7710.00
	(c)	Contingency @ 3% of cost of materials					7710.00
	(d)	Overhead charges @10% of cost of materials					25700.00
		<b>Expenditure on materials (sub-total)</b>					<b>298120.00</b>
	(e)	Cost of labour					15700.00
	(f)	Cost of transportation					6900.00
	(g)	Cost of construction of foundation fencing, and yard metalling					70175.00
	(h)	Labour charges for connecting bus bars to the existing RMUs/new extension heat shrinkable covers, applying water resistant compound etc					15700.00
		<b>Cost of labour and transportation Sub-total</b>					<b>108475.00</b>
	(i)	Supervision charges on cost of labour and transportation @10%					10847.50
		<b>Expenditure to be recovered (Grand total)</b>					<b>417442.50</b>
<b>Rounded to</b>						<b>417450.00</b>	
<b>Rupees Four Lakhs Seventeen Thousand Four Hundred and Fifty Only</b>							
Note: Cost for providing cable termination additional cable and straight joint kit and labour charge may be realised from the consumers as per actuals.							

**Estimate for installation of DA compatible Extensible type Ring Main Unit with provision for isolation and earthing facility (GCG)- VI.5**

SI No.	Qty.	Particulars	Rate	Unit	Amount
1	(a) 1 No.	Cost of Ring Main Units with load break switches and facility to connect two 11kV cable and earthing facility on both sides (GCG)	189000.00	E	189000.00
	(b) 2 Nos.	Cost for providing earthing	2627.50	Set	5255.00
	(a)	<b>Cost of materials (sub-total)</b>			<b>194255.00</b>
	(b)	Storage @ 3% of cost of materials			5827.65
	(c)	Contingency @ 3% of cost of materials			5827.65
	(d)	Overhead charges @10% of cost of materials			19425.50
		<b>Expenditure on materials (sub-total)</b>			<b>225335.80</b>
	(e)	Cost of labour			12560.00
	(f)	Cost of transportation			6900.00
	(g)	Cost of construction of foundation handling and erection, conveyance and alignment			70175.00
		<b>Cost of labour and transportation Sub-total</b>			<b>89635.00</b>
	(h)	Supervision charges on cost of labour and transportation @10%			8963.50
		<b>Expenditure to be recovered (Grand total)</b>			<b>323934.30</b>
<b>Rounded to</b>					<b>323950.00</b>

**Rupees Three Lakhs Twenty Three Thousand Nine Hundred and Fifty Only**

Note: Cost for providing cable termination additional cable and straight joint kit and labour charge may be realised from the consumers as per actuals.

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