

**KERALA STATE ELECTRICITY REGULATORY COMMISSION
THIRUVANANTHAPURAM**

O.A. No. 12 of 2016

**Present : Sri. T. M. Manoharan, Chairman
Sri. K. Vikraman Nair, Member**

**In the matter of approval of the cost data of the rates of materials and labour for
the distribution works in the license area of Thrissur Corporation
Electricity Department for the year 2016-17.**

**Petitioner : Thrissur Corporation Electricity
Department, Thrissur**
**Petitioner represented by : Sri J Jose, Electrical Engineer, TCED.
Sri . B Nikhil, Assistant Engineer
Sri Francis P X, Assistant Engineer**

Order dated 14 - 10- 2016

1. Thrissur Corporation Electricity Department (herein after referred to as the applicant or TCED) has submitted an application, as per the provisions of Kerala State Electricity Regulatory Commission (Conduct of Business) Regulations, 2003, for the approval of the cost data for the distribution works for the year 2016-17 for the recovery of expenditure under Section 46 of the Electricity Act 2003.

Proceedings of the Commission and Public Hearing

2. The application was filed as per Regulation 33 (1) of Kerala Electricity Supply Code, 2014 wherein it is specified that the licensee shall submit once in a year, a proposal to the Commission for approval of the cost data of the rate of materials and work at which the expenditure as per Section 46 of the Electricity Act, 2003 is to be recovered.
3. This application filed by TCED on 16.08.2016 was admitted as OA No 12/2016. Public hearing was conducted on 05.09.2016 at 2.30 PM at Ramanilayam, Thrissur. Sri. J Jose, Electrical Engineer, TCED made a presentation on the details of cost data submitted by TCED. He stated that, as directed by the

Commission, TCED took earnest efforts to reduce the cost. TCED also stated that it decided to use PSC pole instead of steel post to reduce the cost. Further, material purchase was arranged through e - tender as directed by the Commission. It is submitted that TCED has proposed no DP structure since the connections are given using Ring Main Units (RMU)s. It is reported that the excess cost recovered in earlier years have been completely refunded. The works done, if any, for to improve the aesthetics of the roads in corporation area will be done at the cost of Corporation only and will not be passed on to the consumers.

4. Sri Manoj. G, Assistant Executive Engineer, K S E B Ltd. submitted that the cost data proposed by TCED is in line with the cost data for K S E B Ltd. and K S E B Ltd. has no much reservations on the same apart from some small difference in cost. The main difference is in the installation of RMU and Commission may analyze the same on the basis of cost data approved for K S E B Ltd. It is noticed that some of the items have 70 % increases over the material cost approved for K S E B Ltd.

Analysis and Decision of the Commission

5. Section 46 of the Electricity Act, 2003 empowers the distribution licensee to charge from a person requiring supply of electricity, any expenses reasonably incurred in providing any electric line or electrical plant used for the purpose of giving that supply. Regulation 33 of the Kerala Electricity Supply Code, 2014 stipulates that the licensee shall obtain from the Commission annually, approval of the schedule of rates for recovery of such expenditure. Regulation 33 is quoted hereunder:

33. Approval of Cost Data by the Commission:

- (1) The licensee shall submit once in a year, a proposal to the Commission for approval of the cost data of the rates of materials and work at which the expenses as per Section 46 of the Act is to be recovered by the licensee.*

- (2) *The licensee shall publish such proposal in its web site and publish an extract in one Malayalam daily and one English daily having wide circulation in the State, as directed by the Commission.*
- (3) *The Commission shall, after conducting a public hearing on such proposal, scrutinize the proposal, determine the reasonable rates of material and labour and approve cost data with or without modification.*
- (4) *The cost data approved by the Commission shall be published in the web site of the licensee and it shall be valid for at least one year from the date of its issue.*

Provided that the Commission may, on the request of the licensee, enlarge the period of validity of the cost data.

6. The Commission issued order dated 20.5.2016 in OP No.12/2015, approving the cost data of distribution works for K S E B Ltd. for the year 2016-17. The Commission has also approved the cost data of KDHPCL vide order dated 14.07.2016 in OA 20 / 2014. The works carried out by the distribution licensees in the state for providing service to the consumers are of similar nature. The Commission noticed some changes in a few items in the cost data for distribution works submitted by TCED from the cost data approved for K S E B Ltd. The Commission is of the view that the cost data for different licenses within the state should be comparable. The Commission, after verifying the cost data submitted by the TCED, found that the cost data submitted is generally in line with that of the approved cost data for K S E B Ltd. The data for transformer installation is different since TCED proposes only connectivity through RMU, which is also generally acceptable, since the area of distribution license of TCED comes in the corporation area.
7. The Commission took a considered view that the material cost would be less for K S E B Ltd. due to the fact that purchase are made in large volumes by K S E B Ltd. In the scheme for purchase of materials in Government and other Public Sector Undertakings, as per the Store Purchase Rules and the orders issued by the Government in this regard, there is a practice of giving price

preference to the small scale industrial units functioning within the State. Such price preference is given subject to a maximum of 10%, considering the problems faced by the small scale industrial units in the manufacture of goods, when compared to the manufacture done by the medium and large scale industrial units. This type of price preference is given only in the case of purchase from small scale industrial units. The quantities of materials purchased by TCED may be smaller when compared to the quantities purchased by KSEB Ltd. Therefore the Commission is of the view that, since KSEB Ltd has been purchasing the materials in large volume, the cost of material procurement by KSEB Ltd will be comparatively lesser than that incurred by TCED. Hence, a maximum of 10% increase over the material cost adopted by the Commission for KSEB Ltd for the year 2016-17, can be provided for arriving at reasonable rates for the materials for TCED.

8. Govt. of Kerala has directed vide Order dated 17-04-2013 to adopt the CPWD data and schedule of rates in State Government departments with effect from 01-10-2013. Hence the estimates for K S E B Ltd. are prepared in accordance with the CPWD SOR 2014. The rate of items applicable to Delhi is proposed in the SOR 2014 and these rates, multiplied by the cost index provided for various places, give the rates of items for the corresponding places. The Commission adopted a cost index of 140 for K S E B Ltd. being the average of the indexes published for different parts of the state. Hence the rate in CPWD SOR 2014 multiplied by 1.4 is considered for the preparation of estimate rates for K S E B Ltd. Since the cost index for Thrissur is 143 as published by PWD vide circular No. CE/Admn/PLA/1014/2005 and TCED has proposed the labour data same as that of K S E B Ltd., the Commission approved the same.
9. Commission therefore approves the cost data for TCED by modifying the approved cost data for K S E B Ltd. as per the following methodology:
 - (i) Cost of Material : material cost proposed by TCED or the material cost of K S E B Ltd. increased by 10 % , whichever is lower
 - (ii) Labour and transportation charges same as that of K S E B Ltd.

10. The Commission also intends to place on record some of the modalities taken while arriving at the cost data for easy understanding of the licensee and the consumers. Further, the Commission feels that this will help in proper usage of materials and ensures recovery of only reasonable cost from prospective consumers, even if the licensee opts for a superior class of material.
11. TCED proposed ACSR rabbit for giving service connection in single phase and for three phase line. ACSR weasel is sufficient for single phase. In three phase lines ACSR rabbit and ACSR weasel can be used in phase and neutral respectively. The Commission modified and approves the cost data accordingly.
12. TCED proposed 8M poles for all the overhead lines. The Commission has the duty to protect the interest of the consumers and to ensure that no undue amount is charged by the licensee from the consumers.

Section 58 of the Central electricity Authority (Measures relating to Safety and Electric Supply) is as follows:

58. Clearance above ground of the lowest conductor of overhead lines.- (1) *No conductor of an overhead line, including service lines, erected across a street shall at any part thereof be at a height of less than-*

- (i) for lines of voltage not exceeding 650 Volts - 5.8 metres*
- (ii) for lines of voltage exceeding 650 Volts but not exceeding 33 kV - 6.1 metres*

(2) No conductor of an overhead line, including service lines, erected along any street shall at any part thereof be at a height less than-

- (i) for lines of voltage not exceeding 650 Volts - 5.5 metres*
- (ii) for lines of voltage exceeding 650 Volts but not exceeding 33 kV - 5.8 metres*

(3) No conductor of an overhead line including service lines, erected elsewhere than along or across any street shall be at a height less than-

- (i) for lines of voltage upto and including 11,000 Volts, if bare - 4.6 metres*

<i>(ii) for lines of voltage upto and including 11,000 Volts, if insulated</i>	-	<i>4.0 metres</i>
<i>(iii) for lines of voltage exceeding 11,000 Volts but not exceeding 33 kV</i>	-	<i>5.2 metres</i>

The Commission approves the use of 7M/ 8M PSC poles for connections giving services. It is evident that 7M poles cannot be used for the construction of overhead (OH) lines along or across a public street for providing service connections, if the statutory clearance cannot be maintained. However, when the over head service line is for providing supply to a consumer through a street, 7 M poles can be safely used. The Commission, after considering all these factors, has decided that 7M pole can be used for the construction of single phase OH service lines, wherever safety clearance can be maintained. For three phase lines, 8M poles can be used. TCED shall make optimum use of the size of poles based on the site condition and adhering to safety requirements. TCED can realize the difference in cost of using 8M pole from the consumers whenever 8M poles are found essential due to technical reasons for providing single phase services. The Commission is of the view that increased cost for usage of steel poles cannot be allowed to be passed on to consumers. The Commission has therefore allowed only the usage of PSC poles for giving service to the consumers.

13. The Commission, decided to revise the estimate for construction of over head lines based on the actual length of the line to be constructed. The methodology adopted is to arrive the rates for construction of lines with a minimum specified length based on the number of poles required to be used along with the 'rate per metre' for additional length of the line. The said methodology is adopted by the Commission to protect the consumers from paying higher amount than what is actually required and at the same time, the licensee can recover the actual expenses incurred for providing the service to the consumers.

14. The Commission has taken a view that the estimates for service connections are to be reasonable and affordable. The regulation 54 of Supply Code, 2014 is reproduced below:

54. Space for installation of service line, meter and other equipment.- *The consumer shall provide free of charge, the space of requisite dimensions at convenient location as mutually agreed between the consumer and the licensee, for erection and installation of transformer, switch gear, meter, other equipment and that part of service line within his premises, up to the point of supply.*

From the above the prospective consumers need to provide proper arrangement for fixing meter and hence the estimate rates for effecting electric connections need not reflect fixing meter boards etc, and cost data is modified accordingly. Also HRC fuses proposed by TCED is replaced by fuse units.

15. TCED proposed transformer installations through RMU citing the reason that they operate in the corporation areas. Cases may arise wherein installation of transformer alone has to be carried out. The Commission is of the view that the cost data should cover the installation of transformer also. Hence the proposal of TCED is modified. The work of RMU installation is proposed by TCED and the same is approved following the methodology as decided in paragraph 9 above. If transformer is installed along with RMU, TCED can realize the costs of both, to execute the work

Orders of the Commission

16. TCED is authorised to recover from a person requiring supply of electricity in pursuance of Section 43 of the Act, the expenditure incurred by it for various works in connection with providing electric line or electrical plant required for giving the supply, at the rates given in the cost data as approved as per Annexures 1 to 67.

Sd/-

K. Vikraman Nair
Member

Sd/-

T. M. Manoharan
Chairman

Approved for Issue

Sd/-
Santhosh Kumar. K.B
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

**Cost Data of Distribution works approved by the Commission for Thrissur Corporation
Electricity Department for the financial year 2016-17.**

A B S T R A C T

SI No.	Description of the work	Approved Rate (Rs)
1	LT single phase weather proof service connection upto and including 5kW	1750
2	LT three phase weather proof service connection up to and including 10 KW	4350
3	LT three phase weather proof service connection above 10kW upto and including 25kW	15300
4	LT three phase weather proof service connection above 25kW & below 50kVA	22850
5	LT three phase weather proof service connection from 50kVA and above upto and including 100kVA .	25500
6	Providing support pole for weather proof service connection.	5050
7	LT single phase over head service connection upto and including 50m with max. 1 Post	8400 + 68 per M of OH Line
8	LT single phase over head service connection above 50 m upto and including 100 m with max. 2 Posts	19400+ 68 per M of OH Line above 50M
9	LT single phase over head service connection above 100m up to and including 150m with max. 3 Posts	29950 + 68 per M of OH Line above 100M
10	LT single phase over head service connection above 150m up to and including 200m with max. 4 Posts	41550+ 68 per M of OH Line above 150M
11	LT three phase over head service connection upto and including 50m with max. 1 Post	11600 + 199 per M of OH Line
12	LT three phase over head service connection above 50m upto and including 100m with max. 2 Posts	29850 + 199 per M of OH Line above 50M
13	LT three phase over head service connection above 100m up to and including 150m with max. 3 Posts	48100 + 199 per M of OH Line above 100M
14	LT three phase over head service connection above 150m up to and including 200m with max. 4 Posts	67100 + 199 per M of OH Line above 150M

SI No.	Description of the work	Approved Rate (Rs)
15	Post insertion for LT single phase over head line (without stay)	5950
16	Post insertion for LT single phase over head line (with stay)	7400
17	Post insertion for LT single phase over head line (with strut)	11750
18	Post insertion for LT three phase over head line (without stay)	7650
19	Post insertion for LT three phase over head line (with stay)	9100
20	Post insertion for LT three phase over head line (with strut)	13800
21	Conversion of LT single phase weatherproof service connection to LT three phase weather proof service connection with connected load upto and including 10kW	3850
22	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	14900
23	Conversion of LT single phase weatherproof service connection to LT three phase weather proof service connection with load above 25kW and below 50kVA	21900
24	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	24550
25	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.	14300
26	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.	21850
27	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.	25450

SI No.	Description of the work	Approved Rate (Rs)
28	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.	19850
29	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.	22750
30	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 .	20200
31	Shifting Single Phase meter	550
32	Shifting 3 phase meter	700
33	Shifting 3 phase CT meter	1250
34	HT post insertion in HT/LT line (with stay)	15050
35	HT post insertion in HT/LT line (with strut)	17400
36	Providing strut using LT pole	6550
37	Providing strut using HT pole	8850
38	Providing LT stay	1750
39	Providing HT stay	2300

SI No.	Description of the work	Approved Rate (Rs)
40	Reconductoring 1 conductor per metre of LT line with ACSR Rabbit	60
41	Reconductoring 1 conductor per metre of LT line with ACSR Weasel	40
42	Reconductoring per metre HT line with ACSR Raccoon	275
43	Reconductoring per metre HT line with ACSR Rabbit	190
44	Adding one conductor (ACSR Rabbit) per metre on the existing poles (where cross arm is available) inclusive of cost of pin,insulator etc.	90
45	Adding one conductor (ACSR Rabbit) per metre on the existing poles (where cross arm is not available) inclusive of cost of pin, insulator etc.	105
46	Adding one conductor per metre of ACSR Weasel on the existing poles (where cross arm is available) inclusive of cost of pin, insulator etc.	70
47	Adding one conductor per metre ofACSR Weasel on the existing poles (where cross arm is not available) inclusive of cost ofpin,insulator etc.	85
48	Conversion of LT single phase 2 wire line to LT Three phase 4 wire line per metre	185
49	Conversion of LT single phase 2 wire line to LT Three phase 5 wire line per metre	220
50	Conversion of LT single phase 3 wire line to LT Three phase 5 wire line per metre	180
51	Drawing Single Phase 2 wire line per metre under existing HT line	150

SI No.	Description of the work	Approved Rate (Rs)
52	Drawing Single Phase 3 wire line per metre under existing HT line	205
53	Drawing Three Phase 4 wire line per metre under existing HT line	270
54	Drawing Three Phase 5 wire line per metre under existing HT line	320
55	Construction of LT single phase, 2 wire line per metre	355
56	Construction of LT single phase, 3 wire line per metre	400
57	Construction of LT 3 phase, 4 wire line per metre	475
58	Construction of LT 3 phase, 5 wire line per metre	525
59	Construction of 11KV line per metre using ACSR RABBIT using PSC Poles	600
60	Construction of 11KV line per metre using ACSR RACOON using PSC Poles	680
61	Laying of HT XLPE UG Cable per metre (3x300 mm ² single run)	2045
62	Installation of 11 kV/ 433 V , 100 kVA Transformer	343400
63	Installation of 11 kV/ 433 V , 160 kVA Transformer.	393950

SI No.	Description of the work	Approved Rate (Rs)
64	Installation of 11 kV/ 433 V, 250 kVA Transformer.	451050
65	Installation of 11 kV/ 433 V , 500 kVA Transformer.	731750
66	Installation of DA compatible Extensible type Ring Main Unit without VCB - CCC (E)	454600
67	Installation of DA compatible Extensible type Ring Main Unit with VCB - CTC (E)	517550

Sd/-
K. Vikraman Nair
Member

Sd/-
T.M. Manoharan
Chairman

Approved for Issue

Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

LT single phase weather proof service connection upto and including 5 kW

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.80	doz	20.80
2	2.20	G.I.Wire 4mm (8SWG)	70.40	kg	154.88
3	40	Weather proof wire 1/1.8 (2x2.5sqmm)	8.00	M	320.00
4	1	32 A fuse unit	78.94	E	78.94
5	1	Insulation tape	18.20	roll	18.20
(a)		Cost of materials (Sub-total)			592.82
(b)		Storage @ 3% of cost of materials			17.78
(c)		Contingency @ 3% of cost of materials			17.78
(d)		Overhead charges @10% of cost of materials			59.28
		Expenditure on materials (Sub-total)			687.67
(e)		Cost of labour			759.99
(f)		Cost of transportation			192.59
		Cost of labour & transportation Sub-total (e&f)			952.58
(g)		Supervision charges on cost of labour and transportation @10%			95.26
		Expenditure to be recovered (Grand total)			1735.50
				Rounded to Rs.	1750.00
Rupees One Thousand Seven Hundred Fifty Only					

Sd/-
K. Vikraman Nair
Member

Sd/-
T.M. Manoharan
Chairman

Approved for issue
Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

LT three phase weather proof service connection up to and including 10 KW

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.80	doz	20.80
2	1	Earthing coil	588.50	E	588.50
3	4.4	G.I.Wire 4mm(8SWG)	70.40	kg	309.76
4	80	Weather proof 1/2.8 (2x6sqmm)	14.80	M	1183.60
5	3	32 A fuse unit	78.94	E	236.81
6	1	Insulation tape	18.20	roll	18.20
(a)		Cost of materials (Sub-total)			2357.67
(b)		Storage @ 3% of cost of materials			70.73
(c)		Contingency @ 3% of cost of materials			70.73
(d)		Overhead charges @10% of cost of materials			235.77
		Expenditure on materials (Sub-total)			2734.89
(e)		Cost of labour			1266.65
(f)		Cost of transportation			192.59
		Cost of labour & transportation Sub-total (e&f)			1459.24
(g)		Supervision charges on cost of labour and transportation @10%			145.92
		Expenditure to be recovered (Grand total)			4340.06
				Rounded to Rs.	4350.00

Rupees Four Thousand Three Hundred Fifty Only

Sd/-
K. Vikraman Nair
Member

Sd/-
T.M. Manoharan
Chairman

Approved for issue
Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

LT three phase weather proof service connection above 10 kW & up to and including 25 kW

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.80	doz	20.80
2	1	Earthing coil	588.50	E	588.50
3	4.4	G.I.Wire 4mm (8SWG)	70.40	kg	309.76
4	160	LT PVC Al 50 sq.mm Cable	56.10	M	8976.00
5	3	100 A fuse unit	390.00	E	1170.00
6	1	Insulation tape	18.20	roll	18.20
(a)		Cost of materials (Sub-total)			11083.26
(b)		Storage @ 3% of cost of materials			332.50
(c)		Contingency @ 3% of cost of materials			332.50
(d)		Overhead charges @10% of cost of materials			1108.33
		Expenditure on materials (Sub-total)			12856.58
(e)		Cost of labour			2026.64
(f)		Cost of transportation			192.59
		Cost of labour & transportation Sub-total (e&f)			2219.23
(g)		Supervision charges on cost of labour and transportation @10%			221.92
		Expenditure to be recovered (Grand total)			15297.73
				Rounded to Rs.	15300.00
Rupees Fifteen Thousand Three Hundred Only					

Sd/-
K. Vikraman Nair
Member

Sd/-
T.M. Manoharan
Chairman

Approved for issue
Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

LT three phase weather proof service connection above 25 kW & below 50kVA

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.80	doz	20.80
2	1	Earthing coil	588.50	E	588.50
3	160	LT PVC Al 95 sq.mm cable	84.70	M	13552.00
4	4.4	G.I.Wire 4mm (8SWG)	64.00	kg	281.60
5	3	200 A fuse unit	799.70	E	2399.10
6	1	Insulation tape	18.20	roll	18.20
(a)		Cost of materials (Sub-total)			16860.20
(b)		Storage @ 3% of cost of materials			505.81
(c)		Contingency @ 3% of cost of materials			505.81
(d)		Overhead charges @10% of cost of materials			1686.02
		Expenditure on materials (Sub-total)			19557.83
(e)		Cost of labour			2786.63
(f)		Cost of transportation			192.59
		Cost of labour & transportation Sub-total (e&f)			2979.22
(g)		Supervision charges on cost of labour and transportation @10%			297.92
		Expenditure to be recovered (Grand total)			22834.97
				Rounded to Rs.	22850.00

Rupees TwentyTwo Thousand Eight Hundred Fifty Only

Sd/-
K. Vikraman Nair
Member

Sd/-
T.M. Manoharan
Chairman

Approved for issue
Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

LT three phase weather proof service connection from 50 kVA and above upto and including 100 kVA

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.80	doz	20.80
2	1	Earthing coil	588.50	E	588.50
3	160	LT PVC Al. 120 sq.mm cable	99.00	M	15840.00
4	4.4	G.I.Wire 4mm (8 SWG)	64.00	kg	281.60
5	3	200 A fuse unit	799.70	E	2399.10
6	1	Insulation tape	18.20	roll	18.20
(a)		Cost of materials (Sub-total)			19148.20
(b)		Storage @ 3% of cost of materials			574.45
(c)		Contingency @ 3% of cost of materials			574.45
(d)		Overhead charges @10% of cost of materials			1914.82
		Expenditure on materials (Sub-total)			22211.91
(e)		Cost of labour			2786.63
(f)		Cost of transportation			192.59
		Cost of labour & transportation Sub-total (e&f)			2979.22
(g)		Supervision charges on cost of labour and transportation @10%			297.92
		Expenditure to be recovered (Grand total)			25489.05
Rounded to Rs.					25500.00
Rupees TwentyFive Thousand Five Hundred Only					

Sd/-
K. Vikraman Nair
Member

Sd/-
T.M. Manoharan
Chairman

Approved for issue
Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Providing support pole for weather proof service connection

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	7 M PSC Pole	2322.10	E	2322.10
2	1	Clamp with Bolt and Nut	109.82	set	109.82
(a)		Cost of materials (Sub-total)			2431.92
(b)		Storage @ 3% of cost of materials			72.96
(c)		Contingency @ 3% of cost of materials			72.96
(d)		Overhead charges @10% of cost of materials			243.19
		Expenditure on materials (Sub-total)			2821.03
(e)		Cost of labour			1150.87
(f)		Cost of transportation			870.69
		Cost of labour & transportation Sub-total (e&f)			2021.56
(g)		Supervision charges on cost of labour and transportation @10%			202.16
		Expenditure to be recovered (Grand total)			5044.75
				Rounded to Rs.	5050.00
Rupees Five Thousand Fifty Only					

Sd/-
K. Vikraman Nair
Member

Sd/-
T.M. Manoharan
Chairman

Approved for issue
Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

LT single phase over head service connection upto and including 50 M with one pole

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	7 M PSC Pole	2322.10	E	2322.10
2	2	2 line Xarm	215.60	E	431.20
3	2	Clamp G.I for LT cross arm (2/4 line)	91.30	E	182.60
4	4	Shackle set	66.00	set	264.00
5	1	LT Stay set	710.60	set	710.60
6	0.5	Bolt & Nut of sizes	91.00	kg	45.50
7	5	ACSR Weasel	26.79	M	133.95
(a)		Cost of materials (Sub-total)			4089.95
(b)		Storage @ 3% of cost of materials			122.70
(c)		Contingency @ 3% of cost of materials			122.70
(d)		Overhead charges @10% of cost of materials			409.00
		Expenditure on materials (Sub-total)			4744.34
(e)		Cost of labour			2169.54
(f)		Cost of transportation			1127.22
		Cost of labour & transportation Sub-total (e&f)			3296.76
(g)		Supervision charges on cost of labour and transportation @10%			329.68
		Expenditure to be recovered (Grand total)			8370.77
			Rounded to Rs.		8400.00
		Cost of OH line	68.00	M	
		Total	8400 + 68 per M of OH Line		

(Rupees Eight Thousand Four Hundred plus Rupees Sixty Eight per Meter of OH Line)

Note :

- 1 Cost of weather proof portion shall be collected extra
- 2 Charges for providing additional poles, stays and struts if any required shall be collected extra.
- 3 Rs 680/- per pole can be collected if 8 m pole is used due to technical reasons.

Sd/-

K. Vikraman Nair
Member

Sd/-

T.M. Manoharan
Chairman

Approved for issue

Sd/-

Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

LT single phase over head service connection above 50 M upto and including 100 M with maximum 2 Poles

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	2	7 M PSC Pole	2322.10	E	4644.20
2	3	2 line Xarm	215.60	E	646.80
3	3	Clamp G.I for LT cross arm (2/4 line)	91.30	E	273.90
4	4	Shackle set	66.00	set	264.00
5	2	Pin insulator set	57.00	set	114.00
6	2	Packing clamp for pin insulator	19.10	E	38.20
6	2	LT stay set	710.60	set	1421.20
7	1	Bolt & Nut of sizes	91.00	kg	91.00
8	110	ACSR Weasel	26.79	M	2946.90
(a)		Cost of materials (Sub-total)			10440.20
(b)		Storage @ 3% of cost of materials			313.21
(c)		Contingency @ 3% of cost of materials			313.21
(d)		Overhead charges @10% of cost of materials			1044.02
		Expenditure on materials (Sub-total)			12110.63
(e)		Cost of labour			4339.51
(f)		Cost of transportation			2254.45
		Cost of labour & transportation Sub-total (e&f)			6593.96
(g)		Supervision charges on cost of labour and transportation @10%			659.40
		Expenditure to be recovered (Grand total)			19363.99
			Rounded to Rs.		19400.00
		Cost of OH line	68.00	M	
		Total	19400+ 68 per M of OH Line above 50M		

(Rupees Nineten Thousand Three Hundred and Fifty plus Rupees Sixty Eight per Meter of OH Line above 50M)

Note :

- 1 Cost of weather proof portion shall be collected extra
- 2 Charges for providing additional poles, stays and struts if any required shall be collected extra.
- 3 Rs 680/- per pole can be collected if 8 m pole is used due to technical reasons.

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T.M. Manoharan
Chairman

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Sd/-
Secretary

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

LT single phase over head service connection above 100 M upto and including 150 M with maximum 3 Poles

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	3	7 M PSC pole	2322.10	E	6966.30
2	4	2 line Xarm	215.60	E	862.40
3	4	Clamp G.I for LT cross arm (2/4 line)	91.30	E	365.20
4	4	Shackle set	66.00	set	264.00
5	4	Pin insulator set	57.00	set	228.00
6	4	Packing clamp for pin insulator	19.10	E	76.40
7	2	LT stay set	710.60	set	1421.20
8	1.50	Bolt & Nut of sizes	91.00	kg	136.50
9	215	ACSR Weasel	26.79	M	5759.85
(a)		Cost of materials (Sub-total)			16079.85
(b)		Storage @ 3% of cost of materials			482.40
(c)		Contingency @ 3% of cost of materials			482.40
(d)		Overhead charges @10% of cost of materials			1607.99
		Expenditure on materials (Sub-total)			18652.63
(e)		Cost of labour			6509.26
(f)		Cost of transportation			3759.84
		Cost of labour & transportation Sub-total (e&f)			10269.10
(g)		Supervision charges on cost of labour and transportation @10%			1026.91
		Expenditure to be recovered (Grand total)			29948.64
			Rounded to Rs.		29950.00
		Cost of OH line	68.00	M	
		Total	29950 + 68 per M of OH Line above 100M		

(Rupees Twenty Nine Thousand Nine Hundred and Fifty plus Rupees Sixty Eight per Meter of OH Line above 100M)

Note :

- 1 Cost of weather proof portion shall be collected extra
- 2 Charges for providing additional poles, stays and struts if any required shall be collected extra.
- 3 Rs 680/- per pole can be collected if 8 m pole is used due to technical reasons.

Sd/-

K. Vikraman Nair
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T.M. Manoharan
Chairman

Approved for issue
Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

LT single phase over head service connection above 150 M upto and including 200 M with maximum 4 Poles

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	4	7 M PSC Pole	2322.10	E	9288.40
2	5	2 line Xarm	215.60	E	1078.00
3	5	Clamp G.I for LT cross arm (2/4 line)	91.30	E	456.50
4	4	Shackle set	66.00	set	264.00
5	6	Pin Insulator set	57.00	set	342.00
6	6	Packing Clamp for Pin insulator	19.10	E	114.60
7	3	LT stay set	710.60	set	2131.80
8	2	Bolt & Nut of sizes	91.00	kg	182.00
9	320	ACSR Weasel	26.79	M	8572.80
(a)		Cost of materials (Sub-total)			22430.10
(b)		Storage @ 3% of cost of materials			672.90
(c)		Contingency @ 3% of cost of materials			672.90
(d)		Overhead charges @10% of cost of materials			2243.01
		Expenditure on materials (Sub-total)			26018.92
(e)		Cost of labour			8679.03
(f)		Cost of transportation			4508.90
		Cost of labour & transportation Sub-total (e&f)			13187.93
(g)		Supervision charges on cost of labour and transportation @10%			1318.79
		Expenditure to be recovered (Grand total)			40525.64
			Rounded to Rs.		40550.00
		Cost of OH line	68.00	M	
		Total	41550+ 68 per M of OH Line above 150M		

(Rupees Forty Thousand Five Hundred and Fifty plus Rupees Sixty Eight per Meter of OH Line above 150M)

Note :

- 1 Cost of weather proof portion shall be collected extra
- 2 Charges for providing additional poles, stays and struts if any required shall be collected extra.
- 3 Rs 680/- per pole can be collected if 8 m pole is used due to technical reasons.

Sd/-

K. Vikraman Nair
Member

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T.M. Manoharan
Chairman

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Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

LT three phase over head service connection upto and including 50 M with one pole

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	8 M PSC Pole	2909.50	E	2909.50
2	2	4 line Xarm	479.60	E	959.20
3	2	Clamp G.I for LT cross Arm (2/4 line)	91.30	E	182.60
4	8	Shackle set	66.00	set	528.00
5	2	LT stay set	710.60	set	1421.20
6	1.25	Bolt & Nut of sizes	91.00	kg	113.75
7	7.50	ACSR Rabbit	43.00	M	322.50
8	2.50	ACSR Weasel	26.79	M	66.98
(a)		Cost of materials (Sub-total)			6503.73
(b)		Storage @ 3% of cost of materials			195.11
(c)		Contingency @ 3% of cost of materials			195.11
(d)		Overhead charges @10% of cost of materials			650.37
		Expenditure on materials (Sub-total)			7544.32
(e)		Cost of labour			2499.53
(f)		Cost of transportation			1167.82
		Cost of labour & transportation Sub-total (e&f)			3667.35
(g)		Supervision charges on cost of labour and transportation @10%			366.73
		Expenditure to be recovered (Grand total)			11578.40
				Rounded to Rs.	11600.00
		Cost of OH line	199.00	M	
		Total			11600 + 199 per M of OH Line

(Rupees Eleven Thousand Seven Hundred and Fifty plus Rupees One Hundred and Ninety Nine per Meter of OH Line)

Note :

- 1 Cost of weather proof portion shall be collected extra
- 2 Charges for providing additional poles, stays and struts if any required shall be collected extra.

Sd/-

K. Vikraman Nair
Member

Sd/-

T.M. Manoharan
Chairman

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Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

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LT three phase over head service connection above 50 M upto and including 100 M with maximum 2 poles.

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	2	8 M PSC Pole	2909.50	E	5819.00
2	3	4 line Xarm	479.60	E	1438.80
3	3	Clamp G.I for LT cross arm (2/4 line)	91.30	E	273.90
4	8	Shackle set	66.00	set	528.00
5	4	Pin insulator set	57.00	set	228.00
6	4	Packing clamp for pin insulator	19.10	E	76.40
7	2	LT stay set	710.60	set	1421.20
8	2.50	Bolt & Nut of sizes	91.00	kg	227.50
9	165	ACSR Rabbit	43.00	M	7095.00
10	55	ACSR Weasel	26.79	M	1473.45
(a)		Cost of materials (Sub-total)			18581.25
(b)		Storage @ 3% of cost of materials			557.44
(c)		Contingency @ 3% of cost of materials			557.44
(d)		Overhead charges @10% of cost of materials			1858.13
		Expenditure on materials (Sub-total)			21554.25
(e)		Cost of labour			4999.78
(f)		Cost of transportation			2335.65
		Cost of labour & transportation Sub-total (e&f)			7335.43
(g)		Supervision charges on cost of labour and transportation @10%			733.54
		Expenditure to be recovered (Grand total)			29623.22
			Rounded to Rs.		29650.00
		Cost of OH line	199.00	M	
		Total	29850 + 199 per M of OH Line above 50M		

(Rupees Twenty Nine Thousand Six Hundred and Fifty plus Rupees One Hundred and Ninety Nine per Meter of OH Line above 50M)

Note :

- 1 Cost of weather proof portion shall be collected extra
- 2 Charges for providing additional poles, stays and struts if any required shall be collected extra.

Sd/-

K. Vikraman Nair
Member

Sd/-

T.M. Manoharan
Chairman

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Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

LT three phase Over Head service connection above 100M upto and including 150m with maximum 3 poles

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	3	8 M PSC Pole	2909.50	E	8728.50
2	4	4 line Xarm	479.60	E	1918.40
3	4	Clamp G.I for LT cross arm (2/4 line)	91.30	E	365.20
4	8	Shackle set	66.00	set	528.00
5	8	Pin insulator set	57.00	set	456.00
6	8	Packing clamp for pin insulator	19.10	E	152.80
7	2	LT stay set	710.60	set	1421.20
8	3.75	Bolt & Nut of sizes	91.00	kg	341.25
9	322.50	ACSR Rabbit	43.00	M	13867.50
10	107.50	ACSR Weasel	26.79	M	2879.93
(a)		Cost of materials (Sub-total)			30658.78
(b)		Storage @ 3% of cost of materials			919.76
(c)		Contingency @ 3% of cost of materials			919.76
(d)		Overhead charges @ 10% of cost of materials			3065.88
		Expenditure on materials (Sub-total)			35564.18
(e)		Cost of labour			7498.58
(f)		Cost of transportation			3880.64
		Cost of labour & transportation Sub-total (e&f)			11379.22
(g)		Supervision charges on cost of labour and transportation @ 10%			1137.92
		Expenditure to be recovered (Grand total)			48081.32
			Rounded to Rs.		48100.00
		Cost of OH line	199.00	M	
		Total	48100 + 199 per M of OH Line above 100M		

(Rupees Fort Eight Thousand and One Hundred plus Rupees One Hundred and Ninety Nine per Meter of OH Line above 100M)

Note :

- 1 Cost of weather proof portion shall be collected extra
- 2 Charges for providing additional poles, stays and struts if any required shall be collected extra.

Sd/-

K. Vikraman Nair
Member

Sd/-

T.M. Manoharan
Chairman

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Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

LT three phase over head service connection above 150 M upto and including 200 M with maximum 4 poles

SI.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	4	8 M PSC Pole	2909.50	E	11638.00
2	5	4 line Xarm	479.60	E	2398.00
3	5	Clamp G.I for LT cross arm (2/4 line)	91.30	E	456.50
4	8	Shackle set	66.00	set	528.00
5	12	Pin insulator set	57.00	set	684.00
6	12	Packing clamp for pin insulator	19.10	E	229.20
7	3	LT stay set	710.60	set	2131.80
8	5	Bolt & Nut of sizes	91.00	kg	455.00
9	480	ACSR Rabbit	43.00	M	20640.00
10	160	ACSR Weasel	26.79	M	4286.40
(a)		Cost of materials (Sub-total)			43446.90
(b)		Storage @ 3% of cost of materials			1303.41
(c)		Contingency @ 3% of cost of materials			1303.41
(d)		Overhead charges @10% of cost of materials			4344.69
		Expenditure on materials (Sub-total)			50398.40
(e)		Cost of labour			9998.11
(f)		Cost of transportation			4671.30
		Cost of labour & transportation Sub-total (e&f)			14669.41
(g)		Supervision charges on cost of labour and transportation @10%			1466.94
		Expenditure to be recovered (Grand total)			66534.76
Rounded to Rs.					66550.00
		Cost of OH line	199.00	M	
		Total	67100 + 199 per M of OH Line above 150M		

(Rupees Sixty Six Thousand and Five Hundred and Fifty plus Rupees One Hundred and Ninety Nine per Meter of OH Line above 150M)

Note :

- 1 Cost of weather proof portion shall be collected extra
- 2 Charges for providing additional poles, stays and struts if any required shall be collected extra.

Sd/-

K. Vikraman Nair
Member

Sd/-

T.M. Manoharan
Chairman

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Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Pole insertion in LT Single Phase Over Head line (without stay)

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	7 M PSC Pole	2322.10	E	2322.10
2	1	2 line Xarm	215.60	E	215.60
3	1	Clamp G.I for LT cross arm (2/4 line)	91.30	E	91.30
4	2	Pin insulator set	57.00	set	114.00
5	2	Packing clamp for pin insulator	19.10	E	38.20
6	0.50	Bolt & Nut of sizes	91.00	kg	45.50
(a)		Cost of materials (Sub-total)			2826.70
(b)		Storage @ 3% of cost of materials			84.80
(c)		Contingency @ 3% of cost of materials			84.80
(d)		Overhead charges @10% of cost of materials			282.67
		Expenditure on materials (Sub-total)			3278.97
(e)		Cost of labour			1306.00
(f)		Cost of transportation			1086.14
		Cost of labour & transportation Sub-total (e&f)			2392.14
(g)		Supervision charges on cost of labour and transportation @10%			239.21
		Expenditure to be recovered (Grand total)			5910.32
Rounded to Rs.					5950.00

Rupees Five Thousand Nine Hundred Fifty Only**Note :**

1 Rs 680/- per pole can be collected if 8 m pole is used due to technical reasons.

Sd/-

K. Vikraman Nair
Member

Sd/-

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Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Pole insertion in LT single phase over head line (with stay)

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	7m PSC Pole	2322.10	E	2322.10
2	1	2 line Xarm	215.60	E	215.60
3	1	Clamp G.I for LT cross arm (2/4 line)	91.30	E	91.30
4	2	Pin insulator set	57.00	set	114.00
5	2	Packing clamp for pin insulator	19.10	E	38.20
6	1	LT stay set	710.60	set	710.60
7	0.50	Bolt & Nut of sizes	91.00	kg	45.50
(a)		Cost of materials (Sub-total)			3537.30
(b)		Storage @ 3% of cost of materials			106.12
(c)		Contingency @ 3% of cost of materials			106.12
(d)		Overhead charges @10% of cost of materials			353.73
		Expenditure on materials (Sub-total)			4103.27
(e)		Cost of labour			1873.49
(f)		Cost of transportation			1086.14
		Cost of labour & transportation Sub-total (e&f)			2959.63
(g)		Supervision charges on cost of labour and transportation @10%			295.96
		Expenditure to be recovered (Grand total)			7358.86
				Rounded to Rs.	7400.00

Rupees Seven Thousand Four Hundred Only

Note :

1 Rs 680/- per pole can be collected if 8 m pole is used due to technical reasons.

Sd/-

K. Vikraman Nair
Member

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T.M. Manoharan
Chairman

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Secretary

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Pole insertion in LT single phase over head line (with strut)

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	2	7m PSC Pole	2322.10	E	4644.20
2	3	2 line Xarm	215.60	E	646.80
3	3	Clamp G.I for LT cross arm (2/4 line)	91.30	E	273.90
4	2	Pin insulator set	57.00	set	114.00
5	2	Packing clamp for Pin insulator	19.10	E	38.20
6	0.50	Bolt & Nut of sizes	91.00	kg	45.50
(a)		Cost of materials (Sub-total)			5762.60
(b)		Storage @ 3% of cost of materials			172.88
(c)		Contingency @ 3% of cost of materials			172.88
(d)		Overhead charges @10% of cost of materials			576.26
		Expenditure on materials (Sub-total)			6684.62
(e)		Cost of labour			2423.88
(f)		Cost of transportation			2172.28
		Cost of labour & transportation Sub-total (e&f)			4596.16
(g)		Supervision charges on cost of labour and transportation @10%			459.62
		Expenditure to be recovered (Grand total)			11740.40
				Rounded to Rs.	11750.00

Rupees Eleven Thousand Seven Hundred Fifty Only

Note :

1 Rs 680/- per pole can be collected if 8 m pole is used due to technical reasons.

Sd/-

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Member

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Secretary

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Pole insertion in LT three phase over head line (without stay)

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	8 M PSC Pole	2909.50	E	2909.50
2	1	4 line Xarm	479.60	E	479.60
3	1	Clamp G.I for LT cross arm (2/4 line)	91.30	E	91.30
4	4	Pin insulator set	57.00	set	228.00
5	4	Packing clamp for pin insulator	19.10	E	76.40
6	1.25	Bolt & Nut of sizes	91.00	kg	113.75
(a)		Cost of materials (Sub-total)			3898.55
(b)		Storage @ 3% of cost of materials			116.96
(c)		Contingency @ 3% of cost of materials			116.96
(d)		Overhead charges @10% of cost of materials			389.86
		Expenditure on materials (Sub-total)			4522.32
(e)		Cost of labour			1408.14
(f)		Cost of transportation			1398.98
		Cost of labour & transportation Sub-total (e&f)			2807.12
(g)		Supervision charges on cost of labour and transportation @10%			280.71
		Expenditure to be recovered (Grand total)			7610.15
Rounded to Rs.					7650.00
Rupees Seven Thousand Six Hundred Fifty Only					

Sd/-

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Member

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Chairman

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Secretary

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

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	8M PSC Pole	2909.50	E	2909.50
2	1	4 line Xarm	479.60	E	479.60
3	1	Clamp G.I for LT cross arm (2/4 line)	91.30	E	91.30
4	4	Pin insulator set	57.00	set	228.00
5	4	Packing clamp for pin insulator	19.10	E	76.40
6	1	LT stay set	710.60	set	710.60
7	1.25	Bolt & Nut of sizes	91.00	kg	113.75
(a)		Cost of materials (Sub-total)			4609.15
(b)		Storage @ 3% of cost of materials			138.27
(c)		Contingency @ 3% of cost of materials			138.27
(d)		Overhead charges @10% of cost of materials			460.92
		Expenditure on materials (Sub-total)			5346.61
(e)		Cost of labour			1969.97
(f)		Cost of transportation			1398.98
		Cost of labour & transportation Sub-total (e&f)			3368.95
(g)		Supervision charges on cost of labour and transportation @10%			336.90
		Expenditure to be recovered (Grand total)			9052.46
				Rounded to Rs.	9100.00
Rupees Nine Thousand One Hundred Only					

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Pole insertion in LT three phase over head line (with strut)

SI.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	2	8m PSC Pole	2909.50	E	5819.00
2	1	4 line Xarm	479.60	E	479.60
3	1	Clamp G.I for LT cross arm (2/4 line)	91.30	E	91.30
4	2	2 line Xarm	215.60	E	431.20
5	2	Clamp G.I for LT cross arm (2/4 line)	91.30	E	182.60
6	4	Pin insulator set	57.00	set	228.00
7	4	Packing Clamp for pin insulator	19.10	E	76.40
8	1.25	Bolt & Nut of sizes	91.00	kg	113.75
(a)		Cost of materials (Sub-total)			7421.85
(b)		Storage @ 3% of cost of materials			222.66
(c)		Contingency @ 3% of cost of materials			222.66
(d)		Overhead charges @10% of cost of materials			742.19
		Expenditure on materials (Sub-total)			8609.35
(e)		Cost of labour			2526.02
(f)		Cost of transportation			2172.28
		Cost of labour & transportation Sub-total (e&f)			4698.30
(g)		Supervision charges on cost of labour and transportation @10%			469.83
		Expenditure to be recovered (Grand total)			13777.48
Rounded to Rs.					13800.00
Rupees Thirteen Thousand Eight Hundred Only					

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T.M. Manoharan
Chairman

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Conversion of LT single phase weather proof service connection to LT three phase weather proof service connection with connected load upto and including 10kW

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.80	doz.	20.80
2	4.4	G.I. wire 4mm	70.40	kg	309.76
3	80	Weather proof 1/2.8 (2x6sqmm)	14.80	M	1183.60
4	2	32 A fuse unit	78.94	E	157.87
5	1	Insulation tape	18.20	roll	18.20
(a)		Cost of materials (Sub-total)			1690.23
(b)		Storage @ 3% of cost of materials			50.71
(c)		Contingency @ 3% of cost of materials			50.71
(d)		Overhead charges @10% of cost of materials			169.02
		Expenditure on materials (Sub-total)			1960.67
(e)		Cost of labour			1773.31
(f)		Cost of transportation			192.59
		Cost of labour & transportation Sub-total (e&f)			1965.90
(g)		Supervision charges on cost of labour and transportation @10%			196.59
(h)		Credit depreciated value of taken back materials			-287.41
		Expenditure to be recovered (Grand total)			3835.75
				Rounded to Rs.	3850.00
Rupees Three Thousand Eight Hundred Fifty Only					

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Conversion of LT single phase weather proof service connection to LT three phase weather proof service connection with load above 10 kW upto and including 25 kW

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.80	doz	20.80
2	4.4	GI wire 4 mm(8SWG)	64.00	kg	281.60
3	160	PVC 50 sq.mm S.C cable	56.10	M	8976.00
4	3	100 A fuse unit	390.00	E	1170.00
5	1	Insulation tape	18.20	roll	18.20
(a)		Cost of materials (Sub-total)			10466.60
(b)		Storage @ 3% of cost of materials			314.00
(c)		Contingency @ 3% of cost of materials			314.00
(d)		Overhead charges @10% of cost of materials			1046.66
		Expenditure on materials (Sub-total)			12141.26
(e)		Cost of labour			2533.30
(f)		Cost of transportation			192.59
		Cost of labour & transportation Sub-total (e&f)			2725.89
(g)		Supervision charges on cost of labour and transportation @10%			272.59
(h)		Credit depreciated value of taken back materials			-287.41
		Expenditure to be recovered (Grand total)			14878.46
				Rounded to Rs.	14900.00
Rupees Fourteen Thousand Nine Hundred Only					

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Conversion of LT single phase weather proof service connection to LT three phase weather proof service connection with load above 25kW upto and including 50kVA

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.80	doz	20.80
2	4.4	GI wire 4mm	64.00	kg	281.60
3	160	PVC 95 sq.mm S.C cable	84.70	M	13552.00
4	3	200 A fuse unit	799.70	E	2399.10
5	1	Insulation tape	18.20	roll	18.20
(a)		Cost of materials (Sub-total)			16271.70
(b)		Storage @ 3%			488.15
(c)		Contingency @ 3%			488.15
(d)		Overhead charges @10% of cost of materials			1627.17
		Expenditure on materials (Sub-total)			18875.17
(e)		Cost of labour			2786.63
(f)		Cost of transportation			192.59
		Cost of labour & transportation Sub-total (e&f)			2979.22
(g)		Supervision charges on cost of labour and transportation @10%			297.92
(h)		Credit depreciated value of taken back materials			-287.41
		Expenditure to be recovered (Grand total)			21864.91
				Rounded to Rs.	21900.00

Rupees TwentyOne Thousand Nine Hundred Only

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

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

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.80	doz	20.80
2	4.4	GI wire 4 mm	64.00	kg	281.60
3	160	PVC 120 sq.mm S.C cable	99.00	M	15840.00
4	3	200 A fuse unit	799.70	E	2399.10
5	1	Insulation tape	18.20	roll	18.20
(a)		Cost of materials (Sub-total)			18559.70
(b)		Storage @ 3%			556.79
(c)		Contingency @ 3%			556.79
(d)		Overhead charges @10% of cost of materials			1855.97
		Expenditure on materials (Sub-total)			21529.25
(e)		Cost of labour			2786.63
(f)		Cost of transportation			192.59
		Cost of labour & transportation Sub-total (e&f)			2979.22
(g)		Supervision charges on cost of labour and transportation @10%			297.92
(h)		Credit depreciated value of taken back materials			-287.41
		Expenditure to be recovered (Grand total)			24518.99
Rounded to Rs.					24550.00
Rupees TwentyFour Thousand Five Hundred Fifty Only					

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Enhancement of connected load of LT three phase weather proof service connection with a max. load of 10kW into the range of 10 kW to 25 kW.

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.80	doz	20.80
2	4.4	GI wire 4 mm (8SWG)	64.00	kg	281.60
3	160	LT PVC AL 50 Sq.mm cable	56.10	M	8976.00
4	3	100 A fuse unit	390.00	E	1170.00
5	1	Insulation tape	18.20	roll	18.20
(a)		Cost of materials (Sub-total)			10466.60
(b)		Storage @ 3%			314.00
(c)		Contingency @ 3%			314.00
(d)		Overhead charges @10% of cost of materials			1046.66
		Expenditure on materials (Sub-total)			12141.26
(e)		Cost of labour			2026.64
(f)		Cost of transportation			192.59
		Cost of labour & transportation Sub-total (e&f)			2219.23
(g)		Supervision charges on cost of labour and			221.92
(h)		Credit depreciated value of taken back materials			-331.00
		Expenditure to be recovered (Grand total)			14251.41
Rounded to Rs.					14300.00
Rupees Fourteen Thousand Three Hundred Only					

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

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 - 50 kVA.

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.80	doz	20.80
2	160	PVC 95 Sqmm S.C cable	84.70	M	13552.00
3	4.4	GI wire 4mm	64.00	kg	281.60
4	3	200 A fuse unit	799.70	E	2399.10
5	1	Insulation tape	18.20	roll	18.20
(a)		Cost of materials (Sub-total)			16271.70
(b)		Storage @ 3%			488.15
(c)		Contingency @ 3%			488.15
(d)		Overhead charges @10% of cost of materials			1627.17
		Expenditure on materials (Sub-total)			18875.17
(e)		Cost of labour			2786.63
(f)		Cost of transportation			192.59
		Cost of labour & transportation Sub-total (e&f)			2979.22
(g)		Supervision charges on cost of labour and transportation @10%			297.92
(h)		Credit depreciated value of taken back materials			-331.00
		Expenditure to be recovered (Grand total)			21821.31
Rounded to Rs.					21850.00
Rupees TwentyOne Thousand Eight Hundred Fifty Only					

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Enhancement of connected load of LT three phase service connection with a maximum connected load of 10 kW into the range of 50 kVA - 100 kVA .

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.80	doz	20.80
2	1	Earthing coil	588.50	E	588.50
3	160	PVC 120 Sqmm S.C cable	99.00	M	15840.00
4	4.4	GI wire 4mm (8SWG)	64.00	kg	281.60
5	3	200 A fuse unit	799.70	E	2399.10
6	1	Insulation tape	18.20	roll	18.20
(a)		Cost of materials (Sub-total)			19148.20
(b)		Storage @ 3%			574.45
(c)		Contingency @ 3%			574.45
(d)		Overhead charges @10% of cost of materials			1914.82
		Expenditure on materials (Sub-total)			22211.91
(e)		Cost of labour			3039.96
(f)		Cost of transportation			192.59
		Cost of labour & transportation Sub-total (e&f)			3232.55
(g)		Supervision charges on cost of labour and transportation @10%			323.26
(h)		Credit depreciated value of taken back materials			-331.00
		Expenditure to be recovered (Grand total)			25436.72
Rounded to Rs.					25450.00

Rupees TwentyFive Thousand Four Hundred Fifty Only

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Enhancement of connected load of LT three phase service connection with load in the range of 10kW - 25 kW into the range of 25 kW - 50kVA

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.80	doz	20.80
2	160	PVC 95 Sqmm S.C	84.70	M	13552.00
3	4.4	GI wire 4mm (8SWG)	64.00	kg	281.60
4	3	200 A fuse unit	799.70	E	2399.10
5	1	Insulation tape	18.20	roll	18.20
(a)		Cost of materials (Sub-total)			16271.70
(b)		Storage @ 3%			488.15
(c)		Contingency @ 3%			488.15
(d)		Overhead charges @10% of cost of materials			1627.17
		Expenditure on materials (Sub-total)			18875.17
(e)		Cost of labour			2786.63
(f)		Cost of transportation			192.59
		Cost of labour & transportation Sub-total (e&f)			2979.22
(g)		Supervision charges on cost of labour and transportation @10%			297.92
(h)		Credit depreciated value of taken back materials			-2350.00
		Expenditure to be recovered (Grand total)			19802.31
Rounded to Rs.					19850.00

Rupees Nineteen Thousand Eight Hundred Fifty Only

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Estimate for enhancement of connected load of LT three Phase service connection with load in the range of 10kW - 25 kW into the range of 50 kVA -100 kVA

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.80	doz	20.80
2	160	PVC 120 Sqmm S.C cable	99.00	M	15840.00
3	4.4	GI wire 4 mm (8SWG)	64.00	kg	281.60
4	3	200 A fuse unit	799.70	E	2399.10
5	1	Insulation tape	18.20	roll	18.20
(a)		Cost of materials (Sub-total)			18559.70
(b)		Storage @ 3%			556.79
(c)		Contingency @ 3%			556.79
(d)		Overhead charges @10% of cost of materials			1855.97
		Expenditure on materials (Sub-total)			21529.25
(e)		Cost of labour			3039.96
(f)		Cost of transportation			192.59
		Cost of labour & transportation Sub-total (e&f)			3232.55
(g)		Supervision charges on cost of labour and transportation @10%			323.26
(h)		Credit depreciated value of taken back materials			-2350.00
		Expenditure to be recovered (Grand total)			22735.06
				Rounded to Rs.	22750.00
Rupees TwentyTwo Thousand Seven Hundred Fifty Only					

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Enhancement of connected load of LT three phase service connection with load in the range of 25 kW-50 kVA into the range of 50 kVA -100 kVA

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	Iron screws of sizes	20.80	doz	20.80
2	160	PVC 120 Sqmm S.C cable	99.00	M	15840.00
3	4.4	GI wire 4 mm (8SWG)	64.00	kg	281.60
4	2	Bolts and Nuts of sizes	91.00	kg	182.00
5	1	Insulation tape	18.20	roll	18.20
(a)		Cost of materials (Sub-total)			16342.60
(b)		Storage @ 3%			490.28
(c)		Contingency @ 3%			490.28
(d)		Overhead charges @10% of cost of materials			1634.26
		Expenditure on materials (Sub-total)			18957.42
(e)		Cost of labour			3039.96
(f)		Cost of transportation			192.59
		Cost of labour & transportation Sub-total (e&f)			3232.55
(g)		Supervision charges on cost of labour and transportation @10%			323.26
(h)		Credit depreciated value of taken back materials			-2350.00
		Expenditure to be recovered (Grand total)			20163.22
Rounded to Rs.					20200.00
Rupees Twenty Thousand Two Hundred Only					

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Estimate for shifting single phase energymeters

SI.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
		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.		E	481.53
		Add 10% supervision charges			48.15
		Total			529.68
		Rounded to Rs.			550.00

Rupees Five Hundred Fifty Only

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Estimate for shifting three phase energy Meters

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
		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.		E	633.55
		Add 10% supervision charges			63.35
		Total			696.90
		Rounded to Rs.			700.00

Rupees Seven Hundred Only

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Estimate for shifting three phase CT meters

SI.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
		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.		E	1115.29
		Add 10% supervision charges			111.53
		Total			1226.82
		Rounded to Rs.			1250.00

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

HT pole insertion in HT/LT line (with stay)

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	9 M PSC pole	4213.00	E	4213.00
2	1	V cross arm	928.00	E	928.00
3	1	Clamp G.I for V cross arm	158.00	E	158.00
4	1	4 Line X arm	479.60	E	479.60
5	1	Clamp G.I for LT cross arm (2/4 line)	91.30	E	91.30
6	3	11 kV Pin insulator set	139.70	set	419.10
7	4	LT Pin insulator set	57.00	set	228.00
8	4	Packing clamp for pin insulator	19.10	E	76.40
9	1	Stay set complete	917.40	set	917.40
10	1	Provision for earthing	507.10	E	507.10
11	3	Pole top bracket	112.00	E	336.00
12	1.50	Bolt & Nut of sizes	91.00	kg	136.50
(a)		Cost of materials (Sub-total)			8490.40
(b)		Storage @ 3%			254.71
(c)		Contingency @ 3%			254.71
(d)		Overhead charges @10% of cost of materials			849.04
		Expenditure on materials (Sub-total)			9848.86
(e)		Cost of labour			3152.53
(f)		Cost of transportation			1566.79
		Cost of labour & transportation Sub-total (e&f)			4719.32
(g)		Supervision charges on cost of labour and			471.93
		Expenditure to be recovered (Grand total)			15040.12
Rounded to Rs.					15050.00
Rupees Fifteen Thousand Fifty Only					

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

HT pole insertion in HT/LT line (with strut using 8 M pole)

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	9 M PSC Pole	4213.00	E	4213.00
2	1	8 M PSC Pole	2909.50	E	2909.50
3	1	V cross arm	928.00	E	928.00
4	1	Clamp G.I for V cross Arm	158.00	E	158.00
5	1	4 Line X arm	479.60	E	479.60
6	1	Clamp G.I for LT cross arm (2/4 line)	91.30	E	91.30
7	3	11 kV Pin insulator set	139.70	set	419.10
8	4	LT Pin insulator set	57.00	set	228.00
9	3	Packing clamp for pin insulator	19.10	E	57.30
10	3	Pole top bracket	112.00	E	336.00
11	1.50	Bolt & Nut of sizes	91.00	E	136.50
(a)		Cost of materials (Sub-total)			9956.30
(b)		Storage @ 3%			298.69
(c)		Contingency @ 3%			298.69
(d)		Overhead charges @10% of cost of materials			995.63
		Expenditure on materials (Sub-total)			11549.31
(e)		Cost of labour			3449.60
(f)		Cost of transportation			1857.11
		Cost of labour & transportation Sub-total (e&f)			5306.71
(g)		Supervision charges on cost of labour and transportation @10%			530.67
		Expenditure to be recovered			17386.69
				Rounded to Rs.	17400.00
Rupees Seventeen Thousand Four Hundred Only					

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**Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity
Department for the financial year 2016-17.**

Providing strut using LT pole

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	8 M PSC Pole	2909.50	E	2909.50
2	2	2 line Xarm	215.60	E	431.20
3	2	Clamp G.I for LT cross arm (2/4 line)	91.30	E	182.60
(a)		Cost of materials (Sub-total)			3523.30
(b)		Storage @ 3%			105.70
(c)		Contingency @ 3%			105.70
(d)		Overhead charges @10% of cost of materials			352.33
		Expenditure on materials (Sub-total)			4087.03
(e)		Cost of labour			1117.89
(f)		Cost of transportation			1086.14
		Cost of labour & transportation sub total (e&f)			2204.03
(g)		Supervision charges on cost of labour and transportation @10%			220.40
		Expenditure to be recovered (Grand total)			6511.46
Rounded to Rs.					6550.00

Rupees Six Thousand Five Hundred Fifty Only

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Chairman**

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Providing strut using HT pole

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	9m PSC pole	4213.00	E	4213.00
2	2	2 line Xarm	215.60	E	431.20
3	2	Clamp G.I for LT cross arm (2/4 line)	91.30	E	182.60
		Cost of materials (Sub-total)			4826.80
(b)		Storage @ 3%			144.80
(c)		Contingency @ 3%			144.80
(d)		Overhead charges @10% of cost of materials			482.68
		Expenditure on materials (Sub-total)			5599.09
(e)		Cost of Labour			1862.25
(f)		Cost of Transportation			1086.14
		Cost of labour & transportation Sub-total (e&f)			2948.39
(g)		Supervision charges on cost of labour and transportation @10%			294.84
		Expenditure to be recovered (Grand total)			8842.32
				Rounded to	8850.00

Rupees Eight Thousand Eight Hundred Fifty Only

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Providing LT stay

SI.No	Qty	Particulars	Rate	Unit	Amount
1	1.0	LT stay set	710.60	set	710.60
2	0.5	Bolt & Nut of sizes	91.00	kg	45.50
		Cost of materials (Sub-total)			756.10
(b)		Storage @ 3% of cost of materials			22.68
(c)		Contingency @ 3% of cost of materials			22.68
(d)		Overhead charges @10% of cost of materials of cost of			75.61
		Expenditure on materials (Sub-total)			877.08
(e)		Cost of labour			567.55
(f)		Cost of transportation, loading & unloading			192.59
		Cost of labour & transportation Sub-total (e&f)			760.14
(g)		Supervision charges on cost of labour and transportation @10%			76.01
					1713.23
				Rounded to	1750.00

Rupees One Thousand Seven Hundred Fifty Only

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Chairman

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Providing HT stay

SI.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	Stay set complete	917.40	set	917.40
2	1	Bolt & Nut of sizes	91.00	kg	91.00
(a)		Cost of materials (Sub-total)			1008.40
(b)		Storage @ 3%			30.25
(c)		Contingency @ 3%			30.25
(d)		Overhead charges @10% of cost of materials			100.84
		Expenditure on materials (Sub-total)			1169.74
(e)		Cost of labour			821.43
(f)		Transportation, loading & unloading			192.59
		Cost of labour & transportation Sub-total (e&f)			1014.02
(g)		Supervision charges on cost of labour and transportation @10%			101.40
		Expenditure to be recovered (Grand total)			2285.17
		Rounded to			2300.00

Rupees Two Thousand Three Hundred Only

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Reconductoring 1 conductor of LT line with ACSR Rabbit

SI.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1050	ACSR Rabbit	43.00	M	45150.00
(a)		Cost of materials (Sub-total)			45150.00
(b)		Storage @ 3% of cost of materials			1354.50
(c)		Contingency @ 3% of cost of materials			1354.50
(d)		Overhead charges @10% of cost of materials of cost of materials			4515.00
		Expenditure on materials (Sub-total)			52374.00
(e)		Cost of labour			13253.36
(f)		Cost of transportation			406.00
		Cost of labour & transportation Sub-total (e&f)			13659.36
		Supervision charges on cost of labour and transportation @10%			1365.94
	60	Cost of taken back materials (assuming AAC/AAAC) 1000x60 gm	124.00	kg	7440.00
		Grand Total			59959.30
		Expenditure to be recovered per metre			59.96
				Rounded to	60.00
Rupees Sixty Only					

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**Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity
Department for the financial year 2016-17.**

Reconductoring 1 conductor of LT line with ACSR Weasel

SI.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1050	ACSR Weasel	26.79	M	28124.25
(a)		Cost of materials (Sub-total)			28124.25
(b)		Storage @ 3% of cost of materials			843.73
(c)		Contingency @ 3% of cost of materials			843.73
(d)		Overhead charges @10% of cost of materials of cost of materials			2812.43
		Expenditure on materials (Sub-total)			32624.13
(e)		Cost of labour			13182.36
(f)		Transportation, loading & unloading			406
		Cost of labour & transportation Sub-total (e&f)			13588.36
		Supervision charges on cost of labour and transportation @10%			1358.84
60		Cost of taken back materials (assuming AAC/AAAC) 1000x60 gm	124.00	kg	7440.00
		Grand Total			40131.33
		Expenditure to be recovered per metre			40.13
		Rounded to			40.00
Rupees Forty only					

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity
Department for the financial year 2016-17.

Reconductoring 1km HT line with ACSR Raccoon

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	3150	ACSR Raccoon	64.28	M	202482.00
(a)		Cost of materials (Sub-total)			202482.00
(b)		Storage @ 3% of cost of materials			6074.46
(c)		Contingency @ 3% of cost of materials			6074.46
(d)		Overhead charges @10% of cost of materials of cost of materials			20248.20
		Expenditure on materials (Sub-total)			234879.12
(e)		Cost of labour			49706.46
(f)		Cost of Transportation, loading & unloading			2748.00
		Cost of labour & transportation Sub-total (e&f)			52454.46
		Supervision charges on cost of labour and transportation @10%			5245.45
	204	Cost of taken back materials (assuming ACSR Mink) 1000x204 gm	104.00	kg	21216.00
				Grand Total	271363.02
				Expenditure to be recovered per metre	271.36
				Rounded to	275.00
Rupees Two Hundred SeventyFive Only					

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**Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity
Department for the financial year 2016-17.**

Reconductoring 1 km HT line with ACSR Rabbit

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	3150	ACSR Rabbit	43.00	M	135450.00
(a)		Cost of materials (Sub-total)			135450.00
(b)		Storage @ 3% of cost of materials			4063.50
(c)		Contingency @ 3% of cost of materials			4063.50
(d)		Overhead charges @10% of cost of materials			13545.00
		Expenditure on materials (Sub-total)			157122.00
(e)		Cost of labour			44598.55
(f)		Transportation, loading & unloading			2748.00
		Cost of labour & transportation Sub-total (e&f)			47346.55
(g)		Supervision charges on cost of labour and transportation @10%			4734.66
	204	Cost of taken back materials (Assuming ACSR Mink) 1000x204gm	104.00	kg	21216.00
		Grand Total			187987.21
		Expenditure to be recovered per metre			187.99
		Rounded to			190.00

Rupees One Hundred Ninety Only

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Adding one conductor (ACSR Rabbit) on the existing poles (where cross arm is available)

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1050	ACSR Rabbit	43.00	M	45150.00
2	14	LT Shackle insulators set	66.00	set	924.00
3	21	LT pin insulator set	57.00	set	1197.00
4	21	Packing clamp for pin insulator	19.10	E	401.10
5	LS	Provision for sectionalizing	1789.52	LS	1789.52
(a)		Cost of materials (sub-total)			49461.62
(b)		Storage @ 3% of cost of materials			1483.85
(c)		Contingency @ 3% of cost of materials			1483.85
(d)		Overhead charges @10% of cost of materials of cost of			4946.16
		Expenditure on materials (Sub-total)			57375.48
(e)		Cost of labour			26680.07
(f)		Cost of transportation			406.00
		Cost of labour & transportation Sub-total (e&f)			27086.07
(g)		Supervision charges on cost of labour and transportation @10%			2708.61
		Grand Total			87170.16
		Expenditure to be recovered per metre			87.17
		Rounded to Rs.			90.00
Rupees Ninety Only					

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Adding one conductor (ACSR Rabbit) on the existing poles (where cross arm is not available)

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1050	ACSR Rabbit	43.00	M	45150.00
2	35	2 line Xarm	215.60	E	7546.00
3	35	Clamp G.I for LT cross arm (2/4 line)	91.30	E	3195.50
4	14	LT Shackle set	66.00	set	924.00
5	21	LT pin insulator set	57.00	set	1197.00
6	21	Packing clamp for pin insulator	19.10	E	401.10
7	LS	Provision for sectionalizing	1789.52	LS	1789.52
8	15	Bolts and Nuts	91.00	kg	1365.00
(a)		Cost of materials (sub-total)			61568.12
(b)		Storage @ 3% of cost of materials			1847.04
(c)		Contingency @ 3% of cost of materials			1847.04
(d)		Overhead charges @10% of cost of materials of cost of			6156.81
		Expenditure on materials (Sub-total)			71419.02
(e)		Cost of labour			27946.72
(f)		Cost of transportation			406.00
		Cost of Labour & transportation Sub-total (e&f)			28352.72
(g)		Supervision charges on cost of labour and transportation @10%			2835.27
		Grand Total			102607.01
		Expenditure to be recovered per metre			102.61
		Rounded to Rs.			105.00

Rupees One Hundred Five Only

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Adding one conductor (ACSR Weasel) for 1km on the existing poles (where cross arm is available)

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1050	ACSR Weasel	26.79	M	28124.25
2	14	LT Shackle set	66.00	set	924.00
3	21	LT pin insulator set	57.00	set	1197.00
4	21	Packing Clamp for pin insulator	19.10	E	401.10
5	LS	Provision for sectionalizing	1789.52	LS	1789.52
(a)		Cost of materials (sub-total)			32435.87
(b)		Storage @ 3% of cost of materials			973.08
(c)		Contingency @ 3% of cost of materials			973.08
(d)		Overhead charges @10% of cost of materials of cost of			3243.59
		Expenditure on materials (Sub-total)			37625.61
(e)		Cost of labour			26604.07
(f)		Cost of transportation			406.00
		Cost of labour & transportation Sub-total (e&f)			27010.07
(g)		Supervision charges on cost of labour and transportation @10%			2701.01
		Grand Total			67336.69
		Expenditure to be recovered per metre			67.34
		Rounded to Rs.			70.00
Rupees Seventy Only					

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Adding one conductor (ACSR Weasel) for 1km on the existing poles (where cross arm is not available)

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1050	ACSR Weasel	26.79	M	28124.25
2	35	2 line Xarm	215.60	E	7546.00
3	35	Clamp G.I for LT cross arm (2/4 line)	91.30	E	3195.50
4	14	LT Shackle set	66.00	set	924.00
5	21	LT pin insulator set	57.00	set	1197.00
6	21	Packing Clamp for pin insulator	19.10	E	401.10
7	LS	Provision for sectionalizing	1789.52	LS	1789.52
8	15	Bolts and Nuts	91.00	kg	1365.00
(a)		Cost of materials (sub-total)			44542.37
(b)		Storage @ 3%			1336.27
(c)		Contingency @ 3%			1336.27
(d)		Overhead charges @10% of cost of materials			4454.24
		Expenditure on materials (Sub-total)			51669.15
(e)		Cost of labour			27870.72
(f)		Cost of transportation			406.00
		Cost of labour & transportation Sub-total (e&f)			28276.72
(g)		Supervision charges on cost of labour and transportation @10%			2827.67
		Grand Total			82773.54
		Expenditure to be recovered per metre			82.77
		Rounded to Rs.			85.00
Rupees EightyFive Only					

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Conversion of 1 Km of LT single phase 2 wire to LT 3 Phase 4 wire line

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	2100	ACSR Rabbit	43.00	E	90300.00
2	35	4 line Xarm	479.60	E	16786.00
3	35	Clamp G.I for LT cross arm (2/4 line)	91.30	E	3195.50
4	28	LT Shackle set	66.00	set	1848.00
5	42	LT Pin insulatorset	57.00	set	2394.00
6	42	Packing clamp for pin insulator	19.10	E	802.20
7	12	Bolts and nuts	91.00	kg	1092.00
8	4	LT lightning arrestors	350.00	E	1400.00
(a)		Cost of materials (sub-total)			117817.70
(b)		Storage @ 3% of cost of materials			3534.53
(c)		Contingency @ 3% of cost of materials			3534.53
(d)		Overhead charges @10% of cost of materials			11781.77
		Expenditure on materials (Sub-total)			136668.53
(e)		Cost of labour			39299.89
(f)		Cost of transportation			1624.00
		Cost of labour & transportation Sub-total (e&f)			40923.89
(g)		Supervision charges on cost of labour and transportation @10%			4092.39
		Grand Total			181684.81
		Expenditure to be recovered per metre			181.68
		Rounded to Rs.			185.00

Rupees One Hundred EightyFive Only

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Conversion of 1 Km of LT single phase 2 wire to LT three phase 5 wire line

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	2100	ACSR Rabbit	43.00	M	90300.00
2	1050	ACSR Weasel	26.79	M	28124.25
3	35	4 line Xarm	479.60	E	16786.00
4	35	Clamp G.I for LT cross arm (2/4 line)	91.30	E	3195.50
5	42	LT Shackle set	66.00	set	2772.00
6	63	Pin insulator set	57.00	set	3591.00
7	63	Packing clamp for pin insulator	21.01	E	1323.63
8	12	Bolts and nuts	91.00	kg	1092.00
9	4	LT lightning arrestors	350.00	E	1400.00
(a)		Cost of materials (sub-total)			148584.38
(b)		Storage @ 3% of cost of materials			4457.53
(c)		Contingency @ 3% of cost of materials			4457.53
(d)		Overhead charges @10% of cost of materials			14858.44
		Expenditure on materials (Sub-total)			172357.88
(e)		Cost of labour			41785.24
(f)		Cost of transportation			2030.00
		Cost of labour & transportation Sub-total (e&f)			43815.24
(g)		Supervision charges on cost of labour and transportation @10%			4381.52
		Grand Total			220554.64
		Expenditure to be recovered per metre			220.55
		Rounded to Rs.			220.00

Rupees Two Hundred Twenty Only

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Conversion of 1Km of LT Single Phase three wire line to LT three phase 5 wire line

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	2100	ACSR Rabbit	43.00	M	90300.00
2	35	2 line Xarm	215.60	E	7546.00
3	35	Clamp G.I for LT cross arm (2/4 line)	91.30	E	3195.50
4	28	LT Shackle set	66.00	set	1848.00
5	42	LT Pin insulator set	57.00	set	2394.00
6	42	Packing clamp for pin insulator	19.10	E	802.20
7	12	Bolts and nuts	91.00	kg	1092.00
8	4	LT lightning arrestors	350.00	E	1400.00
(a)		Cost of materials (sub-total)			108577.70
(b)		Storage @ 3% of cost of materials			3257.33
(c)		Contingency @ 3% of cost of materials			3257.33
(d)		Overhead charges @10% of cost of materials			10857.77
		Expenditure on materials (Sub-total)			125950.13
(e)		Cost of labour			44556.23
(f)		Cost of transportation			2030.00
		Cost of labour & transportation Sub-total (e&f)			46586.23
(g)		Supervision charges on cost of labour and transportation @10%			4658.62
		Grand Total			177194.99
		Expenditure to be recovered per metre			177.19
		Rounded to Rs.			180.00

Rupees One Hundred Eighty Only

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Drawing 1 km Single Phase 2 wire line under existing HT line

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	24	2 line Xarm	215.60	E	5174.40
2	24	Clamp G.I for 2 line cross arm	91.30	E	2191.20
3	16	LT shackles set	66.00	E.	1056.00
4	32	LT pin insulator set	57.00	set	1824.00
5	32	Packing clamp for pin insulator	19.10	E	611.20
6	15	Bolt and Nuts of size	91.00	kg	1365.00
7	2100	ACSR Rabbit	43.00	M	90300.00
8	2	LT lightning Arrestor	350.00	E	700.00
9	6	Earthing complete	693.12	E	4158.72
10	LS	Provision for sectionalizing	1789.52	LS	1789.52
11	20	Composite LT spacers	58.50	E	1170.00
(a)		Cost of materials (sub-total)			110340.04
(b)		Storage @ 3% of cost of materials			3310.20
(c)		Contingency @ 3% of cost of materials			3310.20
(d)		Overhead charges @10% of cost of materials			11034.00
		Expenditure on materials (Sub-total)			127994.45
(e)		Cost of labour			16931.84
(f)		Cost of transportation			812.00
		Cost of labour & transportation Sub-total (e&f)			17743.84
(g)		Supervision charges on cost of labour and transportation @10%			1774.38
		Grand Total			147512.67
		Expenditure to be recovered per metre			147.51
		Rounded to Rs.			150.00
Rupees One Hundred Fifty Only					

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Drawing 1 km Single Phase 3 wire line under existing HT line

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	24	4 line Xarm	479.60	E	11510.40
2	24	Clamp G.I for LT cross arm (2/4 line)	91.30	E	2191.20
3	24	LT Shackles set	66.00	E	1584.00
4	48	LT Pin insulatorset	57.00	set	2736.00
5	48	Packing clamp for pin insulator	19.10	E	916.80
6	20	Bolt and Nuts of size	91.00	kg	1820.00
7	2100	ACSR Rabbit	43.00	M	90300.00
8	1050	ACSR Weasel	26.79	M	28129.50
9	2	LT Lightning Arrestor	350.00	E	700.00
10	6	Earthing complete	693.12	E	4158.72
11	LS	Provision for sectionalising	1789.52	LS	1789.52
12	20	Composite LT spacers	58.50	E	1170.00
(a)		Cost of materials (sub-total)			147006.14
(b)		Storage @ 3% of cost of materials			4410.18
(c)		Contingency @ 3%of cost of materials			4410.18
(d)		Overhead charges @10% of cost of materials			14700.61
		Expenditure on materials (Sub-total)			170527.12
(e)		Cost of labour			30055.03
(f)		Cost of transportation			1218.00
		Cost of labour & transportation Sub-total (e&f)			31273.03
(g)		Supervision charges on cost of labour and transportation @10%			3127.30
		Grand Total			204927.45
		Expenditure to be recovered per metre			204.93
		Rounded to Rs.			205.00
Rupees Two Hundred Five Only					

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Drawing 1 km 3 phase 4 wire line under existing HT line

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	24	4 line Xarm	479.60	E	11510.40
2	24	Clamp G.I for LT cross arm (2/4 line)	91.30	E	2191.20
3	32	LT Shackles set	66.00	E	2112.00
4	64	LT Pin insulator set	57.00	set	3648.00
5	64	Packing clamp for pin insulator	19.10	E	1222.40
6	20	Bolt and Nuts of sizes	91.00	Kg	1820.00
7	3150	ACSR Rabbit	43.00	M	135450.00
8	1050	ACSR Weasel	26.79	M	28129.50
9	6	LT Lightning Arrestor	350.00	E	2100.00
10	6	Earthing complete	693.12	E	4158.72
11	LS	Provision for sectionalizing	1789.52	LS	1789.52
12	20	Composite LT spacers	58.50	E	1170.00
(a)		Cost of materials (sub-total)			195301.74
(b)		Storage @ 3% of cost of materials			5859.05
(c)		Contingency @ 3% of cost of materials			5859.05
(d)		Overhead charges @10% of cost of materials			19530.17
		Expenditure on materials (Sub-total)			226550.02
(e)		Cost of labour			34179.92
(f)		Cost of transportation			1624.00
		Cost of labour & transportation Sub-total (e&f)			35803.92
(g)		Supervision charges on cost of labour and transportation @10%			3580.39
		Grand Total			265934.32
		Expenditure to be recovered per metre			265.93
		Rounded to Rs.			270.00

Rupees Two Hundred Seventy Only

Sd/-

K. Vikraman Nair
Member

Sd/-

T.M. Manoharan
Chairman

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Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Drawing 1 km three phase 5 wire line under existing HT line

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	24	4 line Xarm	479.60	E	11510.40
2	24	Clamp G.I for LT cross arm (2/4 line)	91.30	E	2191.20
3	24	2 line Xarm	215.60	E	5174.40
4	24	Clamp G.I for LT cross arm (2/4 line)	91.30	E	2191.20
5	40	LT Shackles set	66.00	E	2640.00
6	80	LT Pin insulator set	57.00	set	4560.00
7	80	Packing clamp for pin insulator	19.10	E	1528.00
8	30	Bolt and Nuts of sizes	91.00	kg	2730.00
9	3150	ACSR Rabbit	43.00	M	135450.00
10	2100	ACSR Weasel	26.79	M	56259.00
11	6	LT Lightning Arrestor	350.00	E	2100.00
12	6	Earthing complete	693.12	E	4158.72
13	LS	Provision for sectionalising	1789.52	LS	1789.52
14	20	Composite LT spacers	58.50	E	1170.00
(a)		Cost of materials (sub-total)			233452.44
(b)		Storage @ 3% of cost of materials			7003.57
(c)		Contingency @ 3% of cost			7003.57
(d)		Overhead charges @10% of cost of materials			23345.24
		Expenditure on materials (Sub-total)			270804.83
(e)		Cost of labour			38304.81
(f)		Cost of transportation			2030.00
		Cost of labour & transportation Sub-total (e&f)			40334.81
(g)		Supervision charges on cost of labour and transportation @10%			4033.48
		Grand Total			315173.12
		Expenditure to be recovered per metre			315.17
		Rounded to Rs.			320.00

Rupees Three Hundred Twenty Only

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T.M. Manoharan
Chairman

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Construction of 1 km LT Single Phase 2 Wire line

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	28	8m PSC pole	2909.50	E	81466.00
2	35	2 line Xarm	215.60	E	7546.00
3	35	Clamp G.I for LT cross arm (2/4 line)	91.30	E	3195.50
4	28	LT Shackles set	66.00	E	1848.00
5	42	LT Pin insulator set	57.00	set	2394.00
6	42	Packing clamp for pin insulator	19.10	E	802.20
7	15	Bolt and Nuts of size	91.00	kg	1365.00
8	28	LT stay set	710.60	set	19896.80
9	2100	ACSR Rabbit	43.00	M	90300.00
10	4	Clamp for 2 Nos. strut	168.17	E	672.67
11	2	LT Lightning Arrestor	350.00	E	700.00
12	6	Earthing complete	693.12	E	4158.72
13	LS	Provision for sectionalising	1789.52	LS	1789.52
14	20	Composite LT spacers	58.50	E	1170.00
(a)		Cost of materials (sub-total)			217304.41
(b)		Storage @ 3% of cost of materials			6519.13
(c)		Contingency @ 3% of cost			6519.13
(d)		Overhead charges @ 10% of cost of materials			21730.44
		Expenditure on materials (Sub-total)			252073.12
(e)		Cost of labour			75051.52
(f)		Cost of transportation			17283.29
		Cost of labour & transportation			92334.81
(g)		Supervision charges on cost of labour and			9233.48
		Grand Total			353641.40
		Expenditure to be recovered per metre			353.64
		Rounded to Rs.			355.00
Rupees Three Hundred FiftyFive Only					

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Chairman

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Construction of 1 Km of LT Single Phase 3 Wire line

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	28	8m PSC Pole	2909.50	E	81466.00
2	35	4 line Xarm	479.60	E	16786.00
3	35	Clamp G.I for LT cross arm (2/4 line)	91.30	E	3195.50
4	42	LT Shackles set	66.00	E	2772.00
5	63	LT Pin insulator set	57.00	set	3591.00
6	63	Packing clamp for pin insulator	19.10	E	1203.30
7	20	Bolt and Nuts of size	91.00	kg	1820.00
8	4	Clamp for 2 Nos. strut	177.87	E	711.48
9	28	Stay set complete	710.60	set	19896.80
10	2100	ACSR Rabbit	43.00	M	90300.00
11	1050	ACSR Weasel	26.79	M	28129.50
12	2	LT Lightning Arrestor	350.00	E	700.00
13	6	Earthing complete	693.12	E	4158.72
14	LS	Provision for sectionalising	1789.52	LS	1789.52
15	20	Composite LT spacers	58.50	E	1170.00
(a)		Cost of materials (sub-total)			257689.82
(b)		Storage @ 3% of cost of materials			7730.69
(c)		Contingency @ 3% of cost of materials			7730.69
(d)		Overhead charges @10% of cost of materials			25768.98
		Expenditure on materials (Sub-total)			298920.19
(e)		Cost of labour			74908.30
(f)		Cost of transportation			17689.29
		Cost of labour & transportation Sub-total (e&f)			92597.59
(g)		Supervision charges on cost of labour and transportation @10%			9259.76
		Grand Total			400777.53
		Expenditure to be recovered per metre			400.78
		Rounded to Rs.			400.00

Rupees Four Hundred Only

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Chairman

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Construction of 1 km of LT three phase 4 wire line

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	28	8 M PSC pole	2909.50	E	81466.00
2	35	4 line Xarm	479.60	E	16786.00
3	35	Clamp G.I for 4 line cross arm	91.30	E	3195.50
4	56	LT Shackles set	66.00	E	3696.00
5	84	LT Pin insulator set	57.00	set	4788.00
6	84	Packing clamp for pin insulator	19.10	E	1604.40
7	20	Bolt and Nuts of size	91.00	kg	1820.00
8	28	Stay set	710.60	set	19896.80
9	3150	ACSR Rabbit	43.00	M	135450.00
10	1050	ACSR Weasel	26.79	M	28129.50
11	4	Clamp for 2 Nos. strut	177.87	E	711.48
12	6	LT Lightning Arrestor	350.00	E	2100.00
13	6	Earthing complete	693.12	E	4158.72
14	LS	Provision for sectionalising	1789.52	LS	1789.52
15	LS	Provision for helically formed fitting	7896.10	LS	7896.10
16	20	Composite LT spacers	58.50	E	1170.00
(a)		Cost of materials (sub-total)			314658.02
(b)		Storage @ 3% of cost of materials			9439.74
(c)		Contingency @ 3% of cost of materials			9439.74
(d)		Overhead charges @10% of cost of materials			31465.80
		Expenditure on materials (Sub-total)			365003.30
(e)		Cost of labour			79448.22
(f)		Cost of transportation			18095.29
		Cost of labour & transportation Sub-total (e&f)			97543.51
(g)		Supervision charges on cost of labour and transportation @10%			9754.35
		Grand Total			472301.15
		Expenditure to be recovered per metre			472.30
		Rounded to Rs.			475.00

Rupees Four Hundred SeventyFive Only

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Member

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Chairman

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Construction of 1 km of LT three phase 5 wire line

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	28	8 M PSC Pole	2909.50	E	81466.00
2	35	4 line Xarm	479.60	E	16786.00
3	35	Clamp G.I for LT Cross Arm (2/4 line)	91.30	E	3195.50
4	35	2 line Xarm	215.60	E	7546.00
5	35	Clamp G.I for LT Cross Arm (2/4 line)	91.30	E	3195.50
6	70	LT Shackles set	66.00	E	4620.00
7	105	LT Pin insulator set	57.00	set	5985.00
8	105	Packing Clamp for Pin insulator	19.10	E	2005.50
9	30	Bolt and Nuts of size	91.00	kg	2730.00
10	28	Stay set complete	710.60	set	19896.80
11	3150	ACSR Rabbit	43.00	M	135450.00
12	2100	ACSR Weasel	26.79	M	56259.00
13	4	Clamp for 2 Nos. strut	177.87	E	711.48
14	6	LT Lightning Arrestor	350.00	E	2100.00
15	6	Earthing complete	693.12	E	4158.72
16	LS	Provision for sectionalising	1789.52	LS	1789.52
17	20	Composite LT spacers	58.50	E	1170.00
(a)		Cost of materials (sub-total)			349065.02
(b)		Storage @ 3% of cost of materials			10471.95
(c)		Contingency @ 3% of cost			10471.95
(d)		Overhead charges @ 10% of cost of materials			34906.50
		Expenditure on materials (Sub-total)			404915.42
(e)		Cost of Labour			87426.19
(f)		Cost of transportation			18501.29
		Cost of Labour & transportation Sub-total (e&f)			105927.48
(g)		Supervision charges on cost of labour and transportation @ 10%			10592.75
		Grand Total			521435.65
		Expenditure to be recovered per metre			521.44
		Rounded to Rs.			525.00
Rupees Five Hundred TwentyFive Only					

Sd/-

K. Vikraman Nair
Member

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T.M. Manoharan
Chairman

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

**Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity
Department for the financial year 2016-17.**

Construction of 1km of 11kV line using ACSR Rabbit (without tree cutting compensation)

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	24	9m PSC Pole	4213.00	E	101112.00
2	16	V cross arm	928.00	E	14848.00
3	16	Clamp G.I for V Cross Arm	173.80	E	2780.80
4	27	MS Cleat	63.00	E	1701.00
5	90	Washers of sizes	6.25	E	562.50
6	50	Bolt and Nuts of size	91.00	kg	4550.00
7	21	Stay set complete	1280.40	set	26888.40
8	3150	ACSR Rabbit	43.00	M	135450.00
9	125	Angles and channels	84.70	kg	10587.50
10	27	Tension set with single disc	585.20	set	15800.40
11	16	Provision for coil earthing	507.10	E	8113.60
12	48	11 KV Pin insulator set	139.70	E	6705.60
13	16	Pole top bracket	112.00	E	1792.00
14	8	Provision for pipe earthing	2627.50	set	21020.00
(a)		Cost of materials (sub-total)			352436.80
(b)		Storage @ 3% of cost of materials			10573.10
(c)		Contingency @ 3% of cost			10573.10
(d)		Overhead charges @10% of cost of materials			35243.68
		Expenditure on materials (Sub-total)			408826.69
(e)		Cost of labour			149308.93
(f)		Cost of transportation			20392.44
		Cost of labour & transportation Sub-total (e&f)			169701.37
(g)		Supervision charges on cost of labour and transportation @10%			16970.14
		Grand Total			595498.19
		Expenditure to be recovered per metre			595.50
		Rounded to Rs.			600.00

Rupees Six Hundred Only

Note: 1. Amount required for PTCC Clearance shall be collected extra.
2. Tree cutting compensation based on actual expenditure shall be collected extra.

Sd/-

K. Vikraman Nair
Member

Sd/-

T.M. Manoharan
Chairman

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Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Construction of 1Km of 11KV line using ACSR Raccoon (with out tree cutting compensation) using 24 no of

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	24	9m PSC pole	4213.00	E	101112.00
2	16	V cross arm	928.00	E	14848.00
3	16	Clamp G.I for V Cross Arm	173.80	E	2780.80
4	27	MS Cleat	63.00	E	1701.00
5	90	Washers of sizes	6.25	E	562.50
6	50	Bolt and Nuts of size	91.00	kg	4550.00
7	21	Stay set complete	1280.40	set	26888.40
8	3150	ACSR Raccoon	64.28	M	202482.00
9	125	Angles and channels	84.70	kg	10587.50
10	27	Tension set with single disc	585.20	set	15800.40
11	16	Provision for coil earthing	507.10	E	8113.60
12	48	11 KV Pin insulator set	139.70	E	6705.60
13	16	Pole top bracket	112.00	E	1792.00
14	8	Provision for pipe earthing	2627.50	set	21020.00
(a)		Cost of materials (sub-total)			418943.80
(b)		Storage @ 3% of cost of materials			12568.31
(c)		Contingency @ 3% of cost of			12568.31
(d)		Overhead charges @10% of cost of materials			41894.38
		Expenditure on materials (Sub-total)			485974.81
(e)		Cost of labour			152727.73
(f)		Cost of transportation			20392.44
		Cost of labour & transportation Sub-total (e&f)			173120.17
(g)		Supervision charges on cost of labour and transportation @10%			17312.02
		Grand Total			676406.99
		Expenditure to be recovered per metre			676.41
		Rounded to Rs.			680.00

Rupees Six Hundred Eighty Only

Note: 1 Amount required for PTCC Clearance shall be collected extra.

2.Tree cutting compensation based on actual expenditure shall be collected extra.

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K. Vikraman Nair
Member

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T.M. Manoharan
Chairman

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Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity Department for the financial year 2016-17.

Laying 1 km of HT XLPE UG Cable (3x300 mm² single run)

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1.05	3x300 sq.mm XLPE UG Cable	1046000.00	km	1098300.00
2	3	3x300 Sq mm XLPE end termination kit	2568.50	E	7705.50
3	2	3x300 sq. mm XLPE st. joint kit	4000.00	E	8000.00
(a)		Cost of materials (Sub-total)			1114005.50
(b)		Storage @ 3% of cost of materials			33420.17
(c)		Contingency @ 3% of cost of materials			33420.17
(d)		Overhead charges @10% of cost of materials			111400.55
		Expenditure on materials (Sub-total)			1292246.38
(e)		Cost of labour			668416.10
(f)		Cost of transportation			13880.23
		Cost of labour & transportation Sub-total (e&f)			682296.33
(g)		Supervision charges on cost of labour and transportation @10%			68229.63
		Grand total			2042772.34
		Expenditure to be recovered per metre			2042.77
		Rounded to Rs.			2045.00

Rupees Two Thousand FourtyFive Only

Note: Road cutting, restoration, PTCC Clearance and other charges extra if any.

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K. Vikraman Nair
Member

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T.M. Manoharan
Chairman

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Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity
Department for the financial year 2016-17.

Installation of 1 No. 11 kV/ 433 V, 100 kVA Transformer with RMU

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	100kVA Transformer	171538.40	E	171538.40
2	1	Construction of Plinth	36489.32	E	36489.32
4	10	3 x 300 mm ² 11.K.V. XLPE U.G.Cable	1046.00	M	10460.00
5	3	3 x 300 mm ² 11.K.V. XLPE U.G.Cable End Kit (HS)	2568.50	E	7705.50
8	3	Provision for Earthing	2765.55	Nos	8296.65
9	9	Fuse unit 200A	799.70	Nos	7197.30
10	1	Distribution box	3456.20	LS	3456.20
11	4	Statutory boards	14.52	E	58.08
14	2	Lock and key	143.00	E	286.00
15	90	XLPE Al 240 sq mm unarmoured cable	208.00	M	18720.00
16	34	Al Socket 240 sq mm	32.00	E	1088.00
(a)		Cost of materials (Sub-total)			265295.45
(b)		Storage @ 3% of cost of materials			7958.86
(c)		Contingency @ 3% of cost of materials			7958.86
(d)		Overhead charges @10% of cost of materials			26529.55
		Expenditure on materials (Sub-total)			307742.72
(e)		Cost of labour			26268.40
(f)		Cost of transportation			6137.42
		Cost of labour & transportation			32405.82
(h)		Supervision charges on cost of labour and			3240.58
		Expenditure to be recovered (Grand total)			343389.12
				Rounded to Rs.	343400.00

Rupees Three Lakh FourtyThree Thousand Four Hundred Only

Note: Amount required for PTCC Clearance shall be collected extra.

Sd/-

K. Vikraman Nair
Member

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T.M. Manoharan
Chairman

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Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

**Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity
Department for the financial year 2016-17.**

Installation of 1 No. 11 kV/ 433 V, 160 kVA Transformer with RMU

Sl.No	Qty	Particulars	Rate (Rs)	Unit	Amount
1	1	160 kVA transformer	214931.00	E	214931.00
2	1	Construction of Plinth	36489.32	E	36489.32
4	10	3 x 300 mm ² 11.K.V. XLPE U.G.Cable	1046.00	M	10460.00
5	3	3 x 300 mm ² 11.K.V. XLPE U.G.Cable End Kit (HS)	2568.50	E	7705.50
8	3	Provision for Earthing	2765.55	Nos	8296.65
9	9	Fuse unit 200A	799.70	Nos	7197.30
10	1	Distribution box	3456.20	LS	3456.20
11	4	Statutory boards	14.52	E	58.08
14	2	Lock and key	143.00	E	286.00
15	90	XLPE Al 240 sq mm unarmoured cable	208.00	M	18720.00
16	34	Al Socket 240 sq mm	32.00	E	1088.00
(a)		Cost of materials (Sub-total)			308688.05
(b)		Storage @ 3% of cost of materials			9260.64
(c)		Contingency @ 3% of cost of materials			9260.64
(d)		Overhead charges @10% of cost of materials			30868.81
		Expenditure on materials (Sub-total)			358078.14
(e)		Cost of labour			26428.94
(f)		Cost of transportation			6137.42
		Cost of labour & transportation			32566.36
(h)		Supervision charges on cost of labour and			3256.64
		Expenditure to be recovered (Grand total)			393901.14
				Rounded to Rs.	393950.00

Rupees Three Lakh NinetyThree Thousand Nine Hundred Fifty Only

Note: Amount required for PTCC Clearance shall be collected extra.

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K. Vikraman Nair
Member

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T.M. Manoharan
Chairman

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Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity
Department for the financial year 2016-17.

67 Installation of 11 kV/433V 250 kVA Transformer with RMU

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	250 KVA transformer	260843.00	E	260843.00
2	1	Construction of Plinth	36489.32	E	36489.32
4	10	3 x 300 mm ² 11.K.V. XLPE U.G.Cable	1046.00	M	10460.00
5	3	3 x 300 mm ² 11.K.V. XLPE U.G.Cable End Kit (HS)	2568.50	E	7705.50
8	3	Provision for Earthing	2765.55	Nos	8296.65
9	9	Fuse unit 200A	799.70	Nos	7197.30
10	1	Distribution box	3456.20	LS	3456.20
11	4	Statutory boards	14.52	E	58.08
14	2	Lock and key	143.00	E	286.00
15	90	11V XLPE Al 240 sq mm unarmoured cable	208.00	M	18720.00
16	34	Al Socket 240 sq mm	32.00	E	1088.00
(a)		Cost of materials (Sub-total)			354600.05
(b)		Storage @ 3% of cost of materials			10638.00
(c)		Contingency @ 3% of cost of materials			10638.00
(d)		Overhead charges @10% of cost of materials			35460.01
		Expenditure on materials (Sub-total)			411336.06
(e)		Cost of labour			29954.77
(f)		Cost of transportation			6137.42
		Cost of labour & transportation			36092.19
(h)		Supervision charges on cost of labour and			3609.22
		Expenditure to be recovered (Grand total)			451037.47
				Rounded to Rs.	451050.00

Rupees Four Lakh FiftyOne Thousand Fifty Only

Note: Amount required for PTCC Clearance shall be collected extra.

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K. Vikraman Nair
Member

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T.M. Manoharan
Chairman

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for Thrissur Corporation Electricity
Department for the financial year 2016-17.

Installation of 1 No.11 kV/ 433 V , 500 kVA, Transformer with RMU

Sl.No	Qty	Particulars	Rate Rs	Unit	Amount Rs
1	1	500 kVA Transformer	490644.00	E	490644.00
2	1	Construction of Plinth	36489.32	E	36489.32
4	10	3 x 300 mm ² 11.K.V. XLPE U.G.Cable	1046.00	M	10460.00
5	3	3 x 300 mm ² 11.K.V. XLPE U.G.Cable End Kit (HS)	2568.50	E	7705.50
8	3	Provision for Earthing	2765.55	Nos	8296.65
9	9	Fuse unit 200A	799.70	Nos	7197.30
10	1	Distribution box	3456.20	LS	3456.20
11	4	Statutory boards	14.52	E	58.08
14	2	Lock and key	143.00	E	286.00
15	90	XLPE Al 240 sq mm unarmoured cable	208.00	M	18720.00
16	34	Al Socket 240 sq mm	32.00	E	1088.00
(a)		Cost of materials (Sub-total)			584401.05
(b)		Storage @ 3% of cost of materials			17532.03
(c)		Contingency @ 3% of cost of materials			17532.03
(d)		Overhead charges @10% of cost of materials			58440.11
		Expenditure on materials (Sub-total)			677905.22
(e)		Cost of labour			42805.15
(f)		Cost of transportation			6137.42
		Cost of labour & transportation			48942.57
(h)		Supervision charges on cost of labour and			4894.26
		Expenditure to be recovered (Grand total)			731742.04
				Rounded to Rs.	731750.00

Rupees Seven Lakh ThirtyOne Thousand Seven Hundred Fifty Only

Note: Amount required for PTCC Clearance shall be collected extra.

Sd/-

K. Vikraman Nair
Member

Sd/-

T.M. Manoharan
Chairman

Approved for issue

Sd/-
Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for K.S.E.B.Ltd for the financial year 2016-17.

Installation of DA compatible Extensible type Ring Main Unit without VCB - CCC (E)

SI No.	Qty.	Particulars	Rate (Rs)	Unit	Amount (Rs)
1	1	Cost of 11 KV DA Compatible outdoor extensible type RMU with 3 load break switches	294070.70	E	294070.70
2	2	Cost of providing earthing	2756.55	set	5513.10
(a)		Cost of materials (sub-total)			299583.80
(b)		Storage @ 3% of cost of materials			8987.51
(c)		Contingency @ 3% of cost of materials			8987.51
(d)		Overhead charges @10% of cost of materials			29958.38
		Expenditure on materials (Sub-total)			347517.21
(e)		Cost of Labour			13062.40
(f)		Cost of transportation			7176.00
		Cost of construction of foundation, handling, erection, conveyance and allignment			77105.00
		Cost of Labour & transportation Sub-total (e&f)			97343.40
(g)		Supervision charges on cost of labour & transportation@10%			9734.34
		Expenditure to be recovered (Grand Total)			454594.95
				Rounded to Rs.	454600.00

Rupees Four Lakh FiftyFour Thousand Six Hundred Only

Sd/-

K. Vikraman Nair
Member

Sd/-

T.M. Manoharan
Chairman

Approved for issue

Sd/-

Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for K.S.E.B.Ltd for the financial year 2016-17.

Installation of DA compatible Extensible type Ring Main Unit with VCB - CTC (E)

Sl No.	Qty.	Particulars	Rate (Rs)	Unit	Amount (Rs)
1	1	Cost of 11 KV DA Compatible outdoor extensible type RMU with 2 load break switches	354762.10	E	354762.10
2	2 .	Cost of providing earthing	2627.50	set	5255.00
(a)		Cost of materials (sub-total)			360017.10
(b)		Storage @ 3% of cost of materials			10800.51
(c)		Contingency @ 3%of cost of materials			10800.51
(d)		Overhead charges @10%of cost of materials			36001.71
		Expenditure on materials (Sub-total)			417619.84
(e)		Cost of Labour			6531.20
(f)		Cost of transportation			7176.00
(g)		Cost of construction of foundation, handling, erection, conveyance and			77105.00
		Cost of Labour & transportation Sub-total (e,f & g)			90812.20
(g)		Supervision charges on cost of labour & transportation@10%			9081.22
		Expenditure to be recovered (Grand Total)			517513.26
				Rounded to Rs.	517550.00

Rupees Five Lakh Seventeen Thousand Five Hundred Fifty Only

Sd/-

K. Vikraman Nair
Member

Sd/-

T.M. Manoharan
Chairman

Approved for issue
Sd/-
Secretary