

**KERALA STATE ELECTRICITY REGULATORY COMMISSION
THIRUVANANTHAPURAM**

O.A. No. 20 of 2014
(663/C.Engg/KDHP/2014)

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

In the matter of : Approval of the cost data of the rates of materials and labour for the distribution works in the distribution license area of Kannan Devan Hills Plantations Company Private Limited, Munnar for the year 2016-17.

Petitioner : Kannan Devan Hills Plantations Company Private Limited., KDHP House, Munnar

Order dated 14-07- 2016

1. Kannan Devan Hills Plantations Company Limited (herein after referred to as the applicant or KDHPCL) 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 of the rates of materials and labour for the distribution works in the distribution license area of Kannan Devan Hills Plantations Company Private Limited, Munnar for the year for the year 2014-15 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 by the distribution licensee.

3. This application filed by KDHPCL on 07.03.2014 was admitted as OA No 20/2014. The abstract of the application was published in the website of the Commission and of the applicant. Public hearing was conducted on 25.11.2014 at 12 Noon at K D H Club Hall, Munnar.
4. During the public hearing at Munnar, the Commission directed the licensee to give proposal, for consideration of the Commission, for giving service to domestic consumers having low connected load at the expenses of the licensee to recover the same through tariff. A proposal was submitted by KDHPCL on 08.01.2015; but the Commission observed that the same was not a specific one. From the reports it can be observed that the number of OH services to be effected during a year is only around 20.

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 provides that, the distribution licensee shall obtain 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 from the Commission once in every year. The Regulation 33 is quoted below.

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, after detailed analysis, has issued order dated 20.5.2016 in OP No.12/2015, approving the cost data of distribution works for KSEB Ltd. for the year 2016-17. The works carried out by the distribution licensees in the state for providing service to the consumers are of similar nature. The Commission is of the opinion that some of the cost data for distribution works submitted by KDHPCL differ from the cost data approved for KSEB Ltd. The Commission is of the view that the cost data for different licensees within the state should be comparable. The Commission, after verifying the cost data submitted by the KDHPCL, is of the opinion that the cost data submitted by KDHPCL are generally on higher side. The Commission also observed some anomalies like preparing data for transformer installation without cost of transformer, usage of steel poles instead of concrete poles etc for distribution works. Hence the Commission decided to process the cost data of KDHPCL in line with the approved cost data of KSEB Ltd for the year 2016-17.
7. The Commission observed that some of the works proposed by KDHPCL do not come under the purview of Section 46 of the Electricity Act 2003. The Commission is therefore, considering only those works related to recovery of charges under Section 46 of Electricity Act, 2003 for KDHPCL. Those works

proposed by KDHPCL (Annexures II(1) to II(7)) but do not come under the purview of the Section 46 of Electricity Act, 2003 are not considered here.

8. 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 KDHPCL 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 KDHPCL. Hence the Commission is of the opinion that, 10% increase over the material cost adopted by the Commission for KSEB Ltd for the year 2016-17, has to be provided for arriving at reasonable rates for the materials for KDHPCL.
9. The cost estimates of KSEB Ltd are prepared based on Public Works Department, Kerala (PWD) schedule of rate and the average of cost indices published by PWD for different area in the state. Government 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 KSEB 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 KSEB 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 KSEB Ltd. The cost index for Munnar as published by PWD vide circular No CE/Admn/PLA/1014/2005 is 163.

10. Commission therefore decided to work out the cost data for KDHPCL by revising the approved cost data for KSEB Ltd. as per the following methodology:
 - (i) Cost of Material to be increased by 10% over that of KSEB Ltd.
 - (ii) Labour and transportation charges to be increased by applying the ratio of 163/140.
11. 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. The Commission does also feel 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.
12. The Commission after detailed analysis has approved usage of 8 SWG GI wire as support wire for service connections considering the fact that the same will provide sufficient mechanical strength. Hence cost of 8 SWG GI wire is taken for usage as support wire for service connection.
13. The KSEB Ltd proposed to use weasel conductor instead of squirrel conductor and explained the reason to the satisfaction of the Commission and hence Commission approved the same. The usage of weasel conductor reduced voltage drop and gave higher mechanical strength leading to less failures and increased quality of supply. The Commission is of the view that the usage of weasel conductor for giving the service can be implemented by KDHPCL.
14. The Commission, on going through the data proposed by KDHPCL observed that KDHPCL proposes steel poles for giving services to the consumers. The Commission observed that, KSEB Ltd, has been using PSC poles for carrying out distribution works in terrains similar to that of Munnar. 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*
- (ii) for lines of voltage upto and including 11,000 Volts, if insulated - 4.0 metres*
- (iii) for lines of voltage exceeding 11,000 Volts but not exceeding 33 kV - 5.2 metres*

The Commission approves data for giving services using 7M/ 8M PSC poles. It is evident that 7M PSC poles cannot be used for the construction of overhead (OH) lines along or across a public street for providing service connections. However, when the service line is for providing supply to a consumer through a private property, 7 M PSC poles can be safely used for the construction of OH lines. The Commission, after considering all these factors, has decided that 7M PSC pole can be used for the construction of single phase OH service lines, wherever safety clearance can be maintained. For three phase lines, 8M PSC poles can be used. KDHPCL should make optimum use of the size of poles based on the site condition and adhering to safety requirements. KDHPCL can realize the difference in cost of using 8M PSC 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 therefore has allowed only the usage of 7m PSC poles and 8m PSC poles for meeting technical requirements, as approved for KSEB Ltd for giving service to the consumers instead of steel poles proposed by the KDHPCL.

15. The Commission, while approving cost data for KSEB Ltd. 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 poles required to be used along with the 'rate per metre' for additional length of the line. The estimate rates for lines of lengths upto 50m, 50m to 100m 100m to 150m and 150m to 200 meters are thus arrived. The additional rate per metre is arrived by considering the additional cost on account of conductor length alone. 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. KDHPCL is directed to accurately measure the length of line required to be constructed and arrive on the actual cost to be realized from its consumers.
16. 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.*

Hence it is clear that 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, which are generally carried out by the consumer and cost data is arrived accordingly.

Orders of the Commission

17. KDHPCL 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 70 for the year 2016-17 with effect from the date of this order.

Sd/-
K. Vikraman Nair
Member

Sd/-
S. Venugopal
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 KDHPCL 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 | 1950 |
| 2 | LT three phase weather proof service connection up to and including 10 KW | 4700 |
| 3 | LT three phase weather proof service connection above 10kW upto and including 25kW | 15900 |
| 4 | LT three phase weather proof service connection above 25kW & below 50kVA | 23500 |
| 5 | LT three phase weather proof service connection from 50kVA and above upto and including 100kVA . | 26150 |
| 6 | Providing support pole for weather proof service connection. | 5450 |
| 7 | LT single phase over head service connection upto and including 50m with max. 1 Post | 9000 + 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 | 21000 + 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 | 32550 + 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 | 44000+ 68 per M of OH Line above 150M |
| 11 | LT three phase over head service connection upto and including 50m with max. 1 Post | 12300 + 199 per M of OH Line |
| 12 | LT three phase over head service connection above 50m upto and including 100m with max. 2 Posts | 32050 + 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 | 52250 + 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 | 72350 + 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) | 6400 |
| 16 | Post insertion for LT single phase over head line (with stay) | 7950 |
| 17 | Post insertion for LT single phase over head line (with strut) | 12600 |
| 18 | Post insertion for LT three phase over head line (without stay) | 8200 |
| 19 | Post insertion for LT three phase over head line (with stay) | 9750 |
| 20 | Post insertion for LT three phase over head line (with strut) | 14700 |
| 21 | Conversion of LT single phase weatherproof service connection to LT three phase weather proof service connection with connected load upto and including 10kW | 4200 |
| 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 | 15550 |
| 23 | Conversion of LT single phase weatherproof service connection to LT three phase weather proof service connection with load above 25kW and below 50kVA | 22450 |
| 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 | 25100 |
| 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. | 14800 |
| 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. | 22400 |
| 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. | 26100 |

| 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. | 20150 |
| 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. | 23360 |
| 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 . | 20600 |
| 31 | Shifting Single Phase meter | 650 |
| 32 | Shifting 3 phase meter | 850 |
| 33 | Shifting 3 phase CT meter | 1450 |
| 34 | HT post insertion in HT/LT line (with stay) | 16200 |
| 35 | HT post insertion in HT/LT line (with strut) | 18600 |
| 36 | Providing strut using LT pole | 6950 |
| 37 | Providing strut for using HT pole | 9400 |
| 38 | Providing LT stay | 1900 |
| 39 | Providing HT stay | 2500 |

| SI No. | Description of the work | Approved Rate (Rs) |
|---------------|--|---------------------------|
| 40 | Reconductoring 1 conductor per metre of LT line with ACSR Rabbit | 70 |
| 41 | Reconductoring 1 conductor per metre of LT line with ACSR Weasel | 45 |
| 42 | Reconductoring per metre HT line with ACSR Raccoon | 305 |
| 43 | Reconductoring per metre HT line with ACSR Rabbit | 215 |
| 44 | Adding one conductor (ACSR Rabbit) per metre on the existing poles (where cross arm is available) inclusive of cost of pin,insulator etc. | 100 |
| 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. | 115 |
| 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. | 80 |
| 47 | Adding one conductor per metre ofACSR Weasel on the existing poles (where cross arm is not available) inclusive of cost ofpin,insulator etc. | 95 |
| 48 | Conversion of LT single phase 2 wire line to LT Three phase 4 wire line per metre | 200 |
| 49 | Conversion of LT single phase 2 wire line to LT Three phase 5 wire line per metre | 245 |
| 50 | Conversion of LT single phase 3 wire line to LT Three phase 5 wire line per metre | 200 |
| 51 | Drawing Single Phase 2 wire line per metre under existing HT line | 165 |

| SI No. | Description of the work | Approved Rate (Rs) |
|---------------|--|---------------------------|
| 52 | Drawing Single Phase 3 wire line per metre under existing HT line | 230 |
| 53 | Drawing Three Phase 4 wire line per metre under existing HT line | 295 |
| 54 | Drawing Three Phase 5 wire line per metre under existing HT line | 350 |
| 55 | Construction of LT single phase, 2 wire line per metre | 385 |
| 56 | Construction of LT single phase, 3 wire line per metre | 435 |
| 57 | Construction of LT 3 phase, 4 wire line per metre | 515 |
| 58 | Construction of LT 3 phase, 5 wire line per metre | 570 |
| 59 | Construction of 11KV line per metre using ACSR RABBIT using PSC Poles | 650 |
| 60 | Construction of 11KV line per metre using ACSR RACOON using PSC Poles | 740 |
| 61 | Laying of HT XLPE UG Cable per metre (3x300 mm ² single run) | 2210 |
| 62 | Construction of 11KV line per metre using ACSR Racoon with A Pole (with out tree cutting compensation) | 1055 |
| 63 | Construction of 11KV line per metre using ACSR Racoon with 4 Leg (with out provision for tree cutting compensation) | 2100 |

| SI No. | Description of the work | Approved Rate (Rs) |
|---------------|--|---------------------------|
| 64 | Installation of 11 kV/ 433 V , 25 kVA Transformer | 224850 |
| 65 | Installation of 11 kV/ 433 V , 100 kVA Transformer | 330450 |
| 66 | Installation of 11 kV/ 433 V , 160 kVA Transformer. | 470900 |
| 67 | Installation of 11 kV/ 433 V, 250 kVA Transformer. | 501550 |
| 68 | Installation of 11 kV/ 433 V , 500 kVA Transformer. | 853550 |
| 69 | Installation of double tube fittings including cost of fluorescent tubes | 3600 |
| 70 | Installation of ordinary street light | 1450 |

Sd/-
K. Vikraman Nair
Member

Sd/-
S. Venugopal
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 KDHPCL 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 | 22.88 | doz | 22.88 |
| 2 | 2.20 | G.I.Wire 4mm (8SWG) | 70.40 | kg | 154.88 |
| 3 | 40 | Weather proof wire 1/1.8 (2x2.5sqmm) | 8.53 | M | 341.00 |
| 4 | 1 | 32 A fuse unit | 78.94 | E | 78.94 |
| 5 | 1 | Insulation tape | 20.02 | roll | 20.02 |
| (a) | | Cost of materials (Sub-total) | | | 617.72 |
| (b) | | Storage @ 3% of cost of materials | | | 18.53 |
| (c) | | Contingency @ 3% of cost of materials | | | 18.53 |
| (d) | | Overhead charges @10% of cost of materials | | | 61.77 |
| | | Expenditure on materials (Sub-total) | | | 716.55 |
| (e) | | Cost of labour | | | 884.85 |
| (f) | | Cost of transportation | | | 224.23 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 1109.08 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 110.91 |
| | | Expenditure to be recovered (Grand total) | | | 1936.53 |
| | | | | Rounded to Rs. | 1950.00 |
| Rupees One Thousand Nine Hundred Fifty Only | | | | | |

Sd/-

K. Vikraman Nair

Member

Sd/-

S. Venugopal

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 KDHPCL 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 | 22.88 | doz | 22.88 |
| 2 | 1 | Earthing coil | 647.35 | E | 647.35 |
| 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 | 20.02 | roll | 20.02 |
| (a) | | Cost of materials (Sub-total) | | | 2420.42 |
| (b) | | Storage @ 3% of cost of materials | | | 72.61 |
| (c) | | Contingency @ 3% of cost of materials | | | 72.61 |
| (d) | | Overhead charges @10% of cost of materials | | | 242.04 |
| | | Expenditure on materials (Sub-total) | | | 2807.68 |
| (e) | | Cost of labour | | | 1474.74 |
| (f) | | Cost of transportation | | | 224.23 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 1698.97 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 169.90 |
| | | Expenditure to be recovered (Grand total) | | | 4676.55 |
| | | | | Rounded to Rs. | 4700.00 |
| Rupees Four Thousand Seven Hundred Only | | | | | |

Sd/-
K. Vikraman Nair
Member

Sd/-
S. Venugopal
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 KDHPCL for the financial year 2016-17.

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

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|--|-----|--|---------|-----------------------|-----------------|
| 1 | 1 | Iron screws of sizes | 22.88 | doz | 22.88 |
| 2 | 1 | Earthing coil | 647.35 | E | 647.35 |
| 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 | 422.40 | E | 1267.20 |
| 6 | 1 | Insulation tape | 20.02 | roll | 20.02 |
| (a) | | Cost of materials (Sub-total) | | | 11243.21 |
| (b) | | Storage @ 3% of cost of materials | | | 337.30 |
| (c) | | Contingency @ 3% of cost of materials | | | 337.30 |
| (d) | | Overhead charges @10% of cost of materials | | | 1124.32 |
| | | Expenditure on materials (Sub-total) | | | 13042.12 |
| (e) | | Cost of labour | | | 2359.59 |
| (f) | | Cost of transportation | | | 224.23 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 2583.82 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 258.38 |
| | | Expenditure to be recovered (Grand total) | | | 15884.32 |
| | | | | Rounded to Rs. | 15900.00 |
| Rupees Fifteen Thousand Nine Hundred Only | | | | | |

Sd/-

K. Vikraman Nair

Member

Sd/-

S. Venugopal

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 KDHPCL for the financial year 2016-17.

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

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|--|-----|--|------------|-----------------------|-----------------|
| 1 | 1 | Iron screws of sizes | 22.88 | doz | 22.88 |
| 2 | 1 | Earthing coil | 647.35 | E | 647.35 |
| 3 | 160 | LT PVC Al 95 sq.mm cable | 84.70 | M | 13552.00 |
| 4 | 4.4 | G.I.Wire 4mm (8SWG) | 70.40 | kg | 309.76 |
| 5 | 3 | 200 A fuse unit | 799.70 | E | 2399.10 |
| 6 | 1 | Insulation tape | 20.02 | roll | 20.02 |
| (a) | | Cost of materials (Sub-total) | | | 16951.11 |
| (b) | | Storage @ 3% of cost of materials | | | 508.53 |
| (c) | | Contingency @ 3% of cost of materials | | | 508.53 |
| (d) | | Overhead charges @10% of cost of materials | | | 1695.11 |
| | | Expenditure on materials (Sub-total) | | | 19663.29 |
| (e) | | Cost of labour | | | 3244.43 |
| (f) | | Cost of transportation | | | 224.23 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 3468.66 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 346.87 |
| | | Expenditure to be recovered (Grand total) | | | 23478.82 |
| | | | | Rounded to Rs. | 23500.00 |
| Rupees TwentyThree Thousand Five Hundred Only | | | | | |

Sd/-

K. Vikraman Nair

Member

Sd/-

S. Venugopal

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 KDHPCL for the financial year 2016-17.

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

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|---|-----|--|---------|------|-----------------|
| 1 | 1 | Iron screws of sizes | 22.88 | doz | 22.88 |
| 2 | 1 | Earthing coil | 647.35 | E | 647.35 |
| 3 | 160 | LT PVC Al. 120 sq.mm cable | 99.00 | M | 15840.00 |
| 4 | 4.4 | G.I.Wire 4mm (8 SWG) | 70.40 | kg | 309.76 |
| 5 | 3 | 200 A fuse unit | 799.70 | E | 2399.10 |
| 6 | 1 | Insulation tape | 20.02 | roll | 20.02 |
| (a) | | Cost of materials (Sub-total) | | | 19239.11 |
| (b) | | Storage @ 3% of cost of materials | | | 577.17 |
| (c) | | Contingency @ 3% of cost of materials | | | 577.17 |
| (d) | | Overhead charges @10% of cost of materials | | | 1923.91 |
| | | Expenditure on materials (Sub-total) | | | 22317.37 |
| (e) | | Cost of labour | | | 3244.43 |
| (f) | | Cost of transportation | | | 224.23 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 3468.66 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 346.87 |
| | | Expenditure to be recovered (Grand total) | | | 26132.90 |
| Rounded to Rs. | | | | | 26150.00 |
| Rupees TwentySix Thousand One Hundred Fifty Only | | | | | |

Sd/-

K. Vikraman Nair
Member

Sd/-

S. Venugopal
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 KDHPCL for the financial year 2016-17.

Providing support pole for weather proof service connection

| SI.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 | | | 1339.94 |
| (f) | | Cost of transportation | | | 1013.73 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 2353.68 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 235.37 |
| | | Expenditure to be recovered (Grand total) | | | 5410.08 |
| | | | | Rounded to Rs. | 5450.00 |
| Rupees Five Thousand Four Hundred Fifty Only | | | | | |

Sd/-

K. Vikraman Nair

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Sd/-

S. Venugopal

Member

Sd/-

T.M. Manoharan

Chairman

Approved for issue

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Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

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

| SI.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 | 100.10 | kg | 50.05 |
| 7 | 5 | ACSR Weasel | 29.46 | M | 147.32 |
| (a) | | Cost of materials (Sub-total) | | | 4107.87 |
| (b) | | Storage @ 3% of cost of materials | | | 123.24 |
| (c) | | Contingency @ 3% of cost of materials | | | 123.24 |
| (d) | | Overhead charges @10% of cost of materials | | | 410.79 |
| | | Expenditure on materials (Sub-total) | | | 4765.13 |
| (e) | | Cost of labour | | | 2525.96 |
| (f) | | Cost of transportation | | | 1312.41 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 3838.37 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 383.84 |
| | | Expenditure to be recovered (Grand total) | | | 8987.33 |
| | | | Rounded to Rs. | | 9000.00 |
| | | Cost of OH line | 68.00 | M | |
| | | Total | 9000 + 68 per M of OH Line | | |
| (Rupees Nine Thousand 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 620/- per pole can be collected if 8 m pole is used due to technical reasons. | | | | | |

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S. Venugopal
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T.M. Manoharan
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Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 62.70 | set | 125.40 |
| 6 | 2 | Packing clamp for pin insulator | 21.01 | E | 42.02 |
| 6 | 2 | LT stay set | 710.60 | set | 1421.20 |
| 7 | 1 | Bolt & Nut of sizes | 100.10 | kg | 100.10 |
| 8 | 110 | ACSR Weasel | 29.47 | M | 3241.59 |
| (a) | | Cost of materials (Sub-total) | | | 10759.21 |
| (b) | | Storage @ 3% of cost of materials | | | 322.78 |
| (c) | | Contingency @ 3% of cost of materials | | | 322.78 |
| (d) | | Overhead charges @10% of cost of materials | | | 1075.92 |
| | | Expenditure on materials (Sub-total) | | | 12480.68 |
| (e) | | Cost of labour | | | 5052.43 |
| (f) | | Cost of transportation | | | 2624.82 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 7677.25 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 767.73 |
| | | Expenditure to be recovered (Grand total) | | | 20925.66 |
| | | | Rounded to Rs. | | 21000.00 |
| | | Cost of OH line | 68.00 | M | |
| | | Total | 21000 + 68 per M of OH Line above 50M | | |

(Rupees Twenty One Thousand 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 620/- per pole can be collected if 8 m pole is used due to technical reasons.

Sd/-
K. Vikraman Nair
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S. Venugopal
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Sd/-
T.M. Manoharan
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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 62.70 | set | 250.80 |
| 6 | 4 | Packing clamp for pin insulator | 21.01 | E | 84.04 |
| 7 | 2 | LT stay set | 710.60 | set | 1421.20 |
| 8 | 1.50 | Bolt & Nut of sizes | 100.10 | kg | 150.15 |
| 9 | 215 | ACSR Weasel | 29.47 | M | 6335.84 |
| (a) | | Cost of materials (Sub-total) | | | 16699.93 |
| (b) | | Storage @ 3% of cost of materials | | | 501.00 |
| (c) | | Contingency @ 3% of cost of materials | | | 501.00 |
| (d) | | Overhead charges @10% of cost of materials | | | 1669.99 |
| | | Expenditure on materials (Sub-total) | | | 19371.91 |
| (e) | | Cost of labour | | | 7578.64 |
| (f) | | Cost of transportation | | | 4377.53 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 11956.17 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 1195.62 |
| | | Expenditure to be recovered (Grand total) | | | 32523.70 |
| | | | | Rounded to Rs. | 32550.00 |
| | | Cost of OH line | 68.00 | M | |
| | | Total | 32550 + 68 per M of OH Line above 100M | | |

(Rupees Thirty Two Thousand Five 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 620/- per pole can be collected if 8 m pole is used due to technical reasons.

Sd/-
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T.M. Manoharan
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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 62.70 | set | 376.20 |
| 6 | 6 | Packing Clamp for Pin insulator | 21.01 | E | 126.06 |
| 7 | 3 | LT stay set | 710.60 | set | 2131.80 |
| 8 | 2 | Bolt & Nut of sizes | 100.10 | kg | 200.20 |
| 9 | 320 | ACSR Weasel | 29.47 | M | 9430.08 |
| (a) | | Cost of materials (Sub-total) | | | 23351.24 |
| (b) | | Storage @ 3% of cost of materials | | | 700.54 |
| (c) | | Contingency @ 3% of cost of materials | | | 700.54 |
| (d) | | Overhead charges @10% of cost of materials | | | 2335.12 |
| | | Expenditure on materials (Sub-total) | | | 27087.44 |
| (e) | | Cost of labour | | | 10104.87 |
| (f) | | Cost of transportation | | | 5249.65 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 15354.52 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 1535.45 |
| | | Expenditure to be recovered (Grand total) | | | 43977.41 |
| | | | Rounded to Rs. | | 44000.00 |
| | | Cost of OH line | 68.00 | M | |
| | | Total | 44000+ 68 per M of OH Line above 150M | | |

(Rupees Forty Four Thousand 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 620/- per pole can be collected if 8 m pole is used due to technical reasons.

Sd/-
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Sd/-
S. Venugopal
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Sd/-
T.M. Manoharan
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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

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

| SI.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 | 100.10 | kg | 125.13 |
| 7 | 7.50 | ACSR Rabbit | 47.44 | M | 355.82 |
| 8 | 2.50 | ACSR Weasel | 29.47 | M | 73.67 |
| (a) | | Cost of materials (Sub-total) | | | 6555.12 |
| (b) | | Storage @ 3% of cost of materials | | | 196.65 |
| (c) | | Contingency @ 3% of cost of materials | | | 196.65 |
| (d) | | Overhead charges @10% of cost of materials | | | 655.51 |
| | | Expenditure on materials (Sub-total) | | | 7603.94 |
| (e) | | Cost of labour | | | 2910.16 |
| (f) | | Cost of transportation | | | 1359.68 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 4269.84 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 426.98 |
| | | Expenditure to be recovered (Grand total) | | | 12300.76 |
| | | | Rounded to Rs. | | 12300.00 |
| | | Cost of OH line | 199.00 | M | |
| | | Total | 12300 + 199 per M of OH Line | | |

(Rupees Twelve Thousand Three Hundred 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/-
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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

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 | 62.70 | set | 250.80 |
| 6 | 4 | Packing clamp for pin insulator | 21.01 | E | 84.04 |
| 7 | 2 | LT stay set | 710.60 | set | 1421.20 |
| 8 | 2.50 | Bolt & Nut of sizes | 100.10 | kg | 250.25 |
| 9 | 165 | ACSR Rabbit | 47.44 | M | 7828.10 |
| 10 | 55 | ACSR Weasel | 29.47 | M | 1620.80 |
| (a) | | Cost of materials (Sub-total) | | | 19514.88 |
| (b) | | Storage @ 3% of cost of materials | | | 585.45 |
| (c) | | Contingency @ 3% of cost of materials | | | 585.45 |
| (d) | | Overhead charges @10% of cost of materials | | | 1951.49 |
| | | Expenditure on materials (Sub-total) | | | 22637.26 |
| (e) | | Cost of labour | | | 5821.17 |
| (f) | | Cost of transportation | | | 2719.36 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 8540.54 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 854.05 |
| | | Expenditure to be recovered (Grand total) | | | 32031.85 |
| | | | Rounded to Rs. | | 32050.00 |
| | | Cost of OH line | 199.00 | M | |
| | | Total | 32050 + 199 per M of OH Line above 50M | | |

(Rupees Thirty Two Thousand 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.

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 62.70 | set | 501.60 |
| 6 | 8 | Packing clamp for pin insulator | 21.01 | E | 168.08 |
| 7 | 2 | LT stay set | 710.60 | set | 1421.20 |
| 8 | 3.75 | Bolt & Nut of sizes | 100.10 | kg | 375.38 |
| 9 | 322.50 | ACSR Rabbit | 47.44 | M | 15300.37 |
| 10 | 107.50 | ACSR Weasel | 29.47 | M | 3167.92 |
| (a) | | Cost of materials (Sub-total) | | | 32474.64 |
| (b) | | Storage @ 3% of cost of materials | | | 974.24 |
| (c) | | Contingency @ 3% of cost of materials | | | 974.24 |
| (d) | | Overhead charges @10% of cost of materials | | | 3247.46 |
| | | Expenditure on materials (Sub-total) | | | 37670.58 |
| (e) | | Cost of labour | | | 8730.49 |
| (f) | | Cost of transportation | | | 4518.17 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 13248.67 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 1324.87 |
| | | Expenditure to be recovered (Grand total) | | | 52244.12 |
| | | | Rounded to Rs. | | 52250.00 |
| | | Cost of OH line | 199.00 | M | |
| | | Total | 52250 + 199 per M of OH Line above 100M | | |

(Rupees Fifty Two Thousand Two Hundred and Fifty 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.

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 62.70 | set | 752.40 |
| 6 | 12 | Packing clamp for pin insulator | 21.01 | E | 252.12 |
| 7 | 3 | LT stay set | 710.60 | set | 2131.80 |
| 8 | 5 | Bolt & Nut of sizes | 100.10 | kg | 500.50 |
| 9 | 480 | ACSR Rabbit | 47.44 | M | 22772.64 |
| 10 | 160 | ACSR Weasel | 29.47 | M | 4715.04 |
| (a) | | Cost of materials (Sub-total) | | | 46145.00 |
| (b) | | Storage @ 3% of cost of materials | | | 1384.35 |
| (c) | | Contingency @ 3% of cost of materials | | | 1384.35 |
| (d) | | Overhead charges @10% of cost of materials | | | 4614.50 |
| | | Expenditure on materials (Sub-total) | | | 53528.20 |
| (e) | | Cost of labour | | | 11640.66 |
| (f) | | Cost of transportation | | | 5438.73 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 17079.39 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 1707.94 |
| | | Expenditure to be recovered (Grand total) | | | 72315.52 |
| | | | | Rounded to Rs. | 72350.00 |
| | | Cost of OH line | 199.00 | M | |
| | | Total | 72350 + 199 per M of OH Line above 150M | | |

(Rupees Seventy Two Thousand Three 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.

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

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

| SI.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 | 62.70 | set | 125.40 |
| 5 | 2 | Packing clamp for pin insulator | 21.01 | E | 42.02 |
| 6 | 0.50 | Bolt & Nut of sizes | 100.10 | kg | 50.05 |
| (a) | | Cost of materials (Sub-total) | | | 2846.47 |
| (b) | | Storage @ 3% of cost of materials | | | 85.39 |
| (c) | | Contingency @ 3% of cost of materials | | | 85.39 |
| (d) | | Overhead charges @10% of cost of materials | | | 284.65 |
| | | Expenditure on materials (Sub-total) | | | 3301.91 |
| (e) | | Cost of labour | | | 1520.55 |
| (f) | | Cost of transportation | | | 1264.58 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 2785.13 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 278.51 |
| | | Expenditure to be recovered (Grand total) | | | 6365.55 |
| Rounded to Rs. | | | | | 6400.00 |

Rupees Six Thousand Four Hundred Only

Note :

1 Rs 620/- per pole can be collected if 8 m pole is used due to technical reasons.

**Sd/-
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Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

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

| SI.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 | 62.70 | set | 125.40 |
| 5 | 2 | Packing clamp for pin insulator | 21.01 | E | 42.02 |
| 6 | 1 | LT stay set | 710.60 | set | 710.60 |
| 7 | 0.50 | Bolt & Nut of sizes | 100.10 | kg | 50.05 |
| (a) | | Cost of materials (Sub-total) | | | 3557.07 |
| (b) | | Storage @ 3% of cost of materials | | | 106.71 |
| (c) | | Contingency @ 3% of cost of materials | | | 106.71 |
| (d) | | Overhead charges @10% of cost of materials | | | 355.71 |
| | | Expenditure on materials (Sub-total) | | | 4126.20 |
| (e) | | Cost of labour | | | 2181.27 |
| (f) | | Cost of transportation | | | 1264.58 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 3445.85 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 344.59 |
| | | Expenditure to be recovered (Grand total) | | | 7916.64 |
| | | | | Rounded to Rs. | 7950.00 |

Rupees Seven Thousand Nine Hundred Fifty Only

Note :

1 Rs 620/- per pole can be collected if 8 m pole is used due to technical reasons.

**Sd/-
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S. Venugopal
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T.M. Manoharan
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Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

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

| SI.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 crm (2/4 line) | 91.30 | E | 273.90 |
| 4 | 2 | Pin insulator set | 62.70 | set | 125.40 |
| 5 | 2 | Packing clamp for Pin insulator | 21.01 | E | 42.02 |
| 6 | 0.50 | Bolt & Nut of sizes | 100.10 | kg | 50.05 |
| (a) | | Cost of materials (Sub-total) | | | 5782.37 |
| (b) | | Storage @ 3% of cost of materials | | | 173.47 |
| (c) | | Contingency @ 3% of cost of materials | | | 173.47 |
| (d) | | Overhead charges @10% of cost of materials | | | 578.24 |
| | | Expenditure on materials (Sub-total) | | | 6707.55 |
| (e) | | Cost of labour | | | 2822.09 |
| (f) | | Cost of transportation | | | 2529.15 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 5351.25 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 535.12 |
| | | Expenditure to be recovered (Grand total) | | | 12593.92 |
| | | | | Rounded to Rs. | 12600.00 |

Rupees Twelve Thousand Six Hundred Only

Note :

1 Rs 620/- per pole can be collected if 8 m pole is used due to technical reasons.

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Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

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

| SI.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 | 62.70 | set | 250.80 |
| 5 | 4 | Packing clamp for pin insulator | 21.01 | E | 84.04 |
| 6 | 1.25 | Bolt & Nut of sizes | 100.10 | kg | 125.13 |
| (a) | | Cost of materials (Sub-total) | | | 3940.37 |
| (b) | | Storage @ 3% of cost of materials | | | 118.21 |
| (c) | | Contingency @ 3% of cost of materials | | | 118.21 |
| (d) | | Overhead charges @10% of cost of materials | | | 394.04 |
| | | Expenditure on materials (Sub-total) | | | 4570.82 |
| (e) | | Cost of labour | | | 1639.47 |
| (f) | | Cost of transportation | | | 1628.81 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 3268.29 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 326.83 |
| | | Expenditure to be recovered (Grand total) | | | 8165.94 |
| Rounded to Rs. | | | | | 8200.00 |
| Rupees Eight Thousand Two Hundred Only | | | | | |

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

| SI.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 | 62.70 | set | 250.80 |
| 5 | 4 | Packing clamp for pin insulator | 21.01 | E | 84.04 |
| 6 | 1 | LT stay set | 710.60 | set | 710.60 |
| 7 | 1.25 | Bolt & Nut of sizes | 100.10 | kg | 125.13 |
| (a) | | Cost of materials (Sub-total) | | | 4650.97 |
| (b) | | Storage @ 3% of cost of materials | | | 139.53 |
| (c) | | Contingency @ 3% of cost of materials | | | 139.53 |
| (d) | | Overhead charges @10% of cost of materials | | | 465.10 |
| | | Expenditure on materials (Sub-total) | | | 5395.12 |
| (e) | | Cost of labour | | | 2293.61 |
| (f) | | Cost of transportation | | | 1628.81 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 3922.42 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 392.24 |
| | | Expenditure to be recovered (Grand total) | | | 9709.78 |
| | | | | Rounded to Rs. | 9750.00 |
| Rupees Nine Thousand Seven Hundred Fifty 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 | 62.70 | set | 250.80 |
| 7 | 4 | Packing Clamp for pin insulator | 21.01 | E | 84.04 |
| 8 | 1.25 | Bolt & Nut of sizes | 100.10 | kg | 125.13 |
| (a) | | Cost of materials (Sub-total) | | | 7463.67 |
| (b) | | Storage @ 3% of cost of materials | | | 223.91 |
| (c) | | Contingency @ 3% of cost of materials | | | 223.91 |
| (d) | | Overhead charges @10% of cost of materials | | | 746.37 |
| | | Expenditure on materials (Sub-total) | | | 8657.85 |
| (e) | | Cost of labour | | | 2941.01 |
| (f) | | Cost of transportation | | | 2529.15 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 5470.17 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 547.02 |
| | | Expenditure to be recovered (Grand total) | | | 14675.04 |
| Rounded to Rs. | | | | | 14700.00 |

Rupees Fourteen Thousand Seven Hundred Only

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Cost Data of Distribution works approved by the Commission for KDHPCL 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

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|--|-----|--|------------|-----------------------|----------------|
| 1 | 1 | Iron screws of sizes | 22.88 | doz. | 22.88 |
| 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 | 20.02 | roll | 20.02 |
| (a) | | Cost of materials (Sub-total) | | | 1694.13 |
| (b) | | Storage @ 3% of cost of materials | | | 50.82 |
| (c) | | Contingency @ 3% of cost of materials | | | 50.82 |
| (d) | | Overhead charges @10% of cost of materials | | | 169.41 |
| | | Expenditure on materials (Sub-total) | | | 1965.19 |
| (e) | | Cost of labour | | | 2064.64 |
| (f) | | Cost of transportation | | | 224.23 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 2288.87 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 228.89 |
| (h) | | Credit depreciated value of taken back materials | | | -287.41 |
| | | Expenditure to be recovered (Grand total) | | | 4195.54 |
| | | | | Rounded to Rs. | 4200.00 |
| Rupees Four Thousand Two Hundred Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL 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

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|--|-----|--|------------|-----------------------|-----------------|
| 1 | 1 | Iron screws of sizes | 22.88 | doz | 22.88 |
| 2 | 4.4 | GI wire 4 mm(8SWG) | 70.40 | kg | 309.76 |
| 3 | 160 | PVC 50 sq.mm S.C cable | 56.10 | M | 8976.00 |
| 4 | 3 | 100 A fuse unit | 421.30 | E | 1263.90 |
| 5 | 1 | Insulation tape | 20.02 | roll | 20.02 |
| (a) | | Cost of materials (Sub-total) | | | 10592.56 |
| (b) | | Storage @ 3% of cost of materials | | | 317.78 |
| (c) | | Contingency @ 3% of cost of materials | | | 317.78 |
| (d) | | Overhead charges @10% of cost of materials | | | 1059.26 |
| | | Expenditure on materials (Sub-total) | | | 12287.37 |
| (e) | | Cost of labour | | | 2949.49 |
| (f) | | Cost of transportation | | | 224.23 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 3173.71 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 317.37 |
| (h) | | Credit depreciated value of taken back materials | | | -287.41 |
| | | Expenditure to be recovered (Grand total) | | | 15517.18 |
| | | | | Rounded to Rs. | 15550.00 |
| Rupees Fifteen Thousand Five Hundred Fifty Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL 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

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|-------|-----|--|------------|-----------------------|-----------------|
| 1 | 1 | Iron screws of sizes | 22.88 | doz | 22.88 |
| 2 | 4.4 | GI wire 4mm | 70.40 | kg | 309.76 |
| 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 | 20.02 | roll | 20.02 |
| (a) | | Cost of materials (Sub-total) | | | 16303.76 |
| (b) | | Storage @ 3% | | | 489.11 |
| (c) | | Contingency @ 3% | | | 489.11 |
| (d) | | Overhead charges @10% of cost of materials | | | 1630.38 |
| | | Expenditure on materials (Sub-total) | | | 18912.36 |
| (e) | | Cost of labour | | | 3244.43 |
| (f) | | Cost of transportation | | | 224.23 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 3468.66 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 346.87 |
| (h) | | Credit depreciated value of taken back materials | | | -287.41 |
| | | Expenditure to be recovered (Grand total) | | | 22440.48 |
| | | | | Rounded to Rs. | 22450.00 |

Rupees TwentyTwo Thousand Four Hundred Fifty Only

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Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 22.88 | doz | 22.88 |
| 2 | 4.4 | GI wire 4 mm | 70.40 | kg | 309.76 |
| 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 | 20.02 | roll | 20.02 |
| (a) | | Cost of materials (Sub-total) | | | 18591.76 |
| (b) | | Storage @ 3% | | | 557.75 |
| (c) | | Contingency @ 3% | | | 557.75 |
| (d) | | Overhead charges @10% of cost of materials | | | 1859.18 |
| | | Expenditure on materials (Sub-total) | | | 21566.44 |
| (e) | | Cost of labour | | | 3244.43 |
| (f) | | Cost of transportation | | | 224.23 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 3468.66 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 346.87 |
| (h) | | Credit depreciated value of taken back materials | | | -287.41 |
| | | Expenditure to be recovered (Grand total) | | | 25094.56 |
| Rounded to Rs. | | | | | 25100.00 |
| Rupees TwentyFive Thousand One Hundred Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 22.88 | doz | 22.88 |
| 2 | 4.4 | GI wire 4 mm (8SWG) | 70.40 | kg | 309.76 |
| 3 | 160 | LT PVC AL 50 Sq.mm cable | 56.10 | M | 8976.00 |
| 4 | 3 | 100 A fuse unit | 422.40 | E | 1267.20 |
| 5 | 1 | Insulation tape | 20.02 | roll | 20.02 |
| (a) | | Cost of materials (Sub-total) | | | 10595.86 |
| (b) | | Storage @ 3% | | | 317.88 |
| (c) | | Contingency @ 3% | | | 317.88 |
| (d) | | Overhead charges @10% of cost of materials | | | 1059.59 |
| | | Expenditure on materials (Sub-total) | | | 12291.20 |
| (e) | | Cost of labour | | | 2359.59 |
| (f) | | Cost of transportation | | | 224.23 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 2583.82 |
| (g) | | Supervision charges on cost of labour and | | | 258.38 |
| (h) | | Credit depreciated value of taken back materials | | | -364.10 |
| | | Expenditure to be recovered (Grand total) | | | 14769.30 |
| Rounded to Rs. | | | | | 14800.00 |

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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 | 22.88 | doz | 22.88 |
| 2 | 160 | PVC 95 Sqmm S.C cable | 84.70 | M | 13552.00 |
| 3 | 4.4 | GI wire 4mm | 70.40 | kg | 309.76 |
| 4 | 3 | 200 A fuse unit | 799.70 | E | 2399.10 |
| 5 | 1 | Insulation tape | 20.02 | roll | 20.02 |
| (a) | | Cost of materials (Sub-total) | | | 16303.76 |
| (b) | | Storage @ 3% | | | 489.11 |
| (c) | | Contingency @ 3% | | | 489.11 |
| (d) | | Overhead charges @10% of cost of materials | | | 1630.38 |
| | | Expenditure on materials (Sub-total) | | | 18912.36 |
| (e) | | Cost of labour | | | 3244.43 |
| (f) | | Cost of transportation | | | 224.23 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 3468.66 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 346.87 |
| (h) | | Credit depreciated value of taken back materials | | | -364.10 |
| | | Expenditure to be recovered (Grand total) | | | 22363.79 |
| Rounded to Rs. | | | | | 22400.00 |
| Rupees TwentyTwo Thousand Four Hundred Only | | | | | |

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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 .

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|---|-----|--|------------|------|-----------------|
| 1 | 1 | Iron screws of sizes | 22.88 | doz | 22.88 |
| 2 | 1 | Earthing coil | 647.35 | E | 647.35 |
| 3 | 160 | PVC 120 Sqmm S.C cable | 99.00 | M | 15840.00 |
| 4 | 4.4 | GI wire 4mm (8SWG) | 70.40 | kg | 309.76 |
| 5 | 3 | 200 A fuse unit | 799.70 | E | 2399.10 |
| 6 | 1 | Insulation tape | 20.02 | roll | 20.02 |
| (a) | | Cost of materials (Sub-total) | | | 19239.11 |
| (b) | | Storage @ 3% | | | 577.17 |
| (c) | | Contingency @ 3% | | | 577.17 |
| (d) | | Overhead charges @10% of cost of materials | | | 1923.91 |
| | | Expenditure on materials (Sub-total) | | | 22317.37 |
| (e) | | Cost of labour | | | 3539.38 |
| (f) | | Cost of transportation | | | 224.23 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 3763.61 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 376.36 |
| (h) | | Credit depreciated value of taken back materials | | | -364.10 |
| | | Expenditure to be recovered (Grand total) | | | 26093.24 |
| Rounded to Rs. | | | | | 26100.00 |
| Rupees TwentySix Thousand One Hundred Only | | | | | |

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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 | 22.88 | doz | 22.88 |
| 2 | 160 | PVC 95 Sqmm S.C | 84.70 | M | 13552.00 |
| 3 | 4.4 | GI wire 4mm (8SWG) | 70.40 | kg | 309.76 |
| 4 | 3 | 200 A fuse unit | 799.70 | E | 2399.10 |
| 5 | 1 | Insulation tape | 20.02 | roll | 20.02 |
| (a) | | Cost of materials (Sub-total) | | | 16303.76 |
| (b) | | Storage @ 3% | | | 489.11 |
| (c) | | Contingency @ 3% | | | 489.11 |
| (d) | | Overhead charges @10% of cost of materials | | | 1630.38 |
| | | Expenditure on materials (Sub-total) | | | 18912.36 |
| (e) | | Cost of labour | | | 3244.43 |
| (f) | | Cost of transportation | | | 224.23 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 3468.66 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 346.87 |
| (h) | | Credit depreciated value of taken back materials | | | -2585.00 |
| | | Expenditure to be recovered (Grand total) | | | 20142.89 |
| Rounded to Rs. | | | | | 20150.00 |
| Rupees Twenty Thousand One Hundred Fifty Only | | | | | |

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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 | 22.88 | doz | 22.88 |
| 2 | 160 | PVC 120 Sqmm S.C cable | 99.00 | M | 15840.00 |
| 3 | 4.4 | GI wire 4 mm (8SWG) | 70.40 | kg | 309.76 |
| 4 | 3 | 200 A fuse unit | 799.70 | E | 2399.10 |
| 5 | 1 | Insulation tape | 20.02 | roll | 20.02 |
| (a) | | Cost of materials (Sub-total) | | | 18591.76 |
| (b) | | Storage @ 3% | | | 557.75 |
| (c) | | Contingency @ 3% | | | 557.75 |
| (d) | | Overhead charges @10% of cost of materials | | | 1859.18 |
| | | Expenditure on materials (Sub-total) | | | 21566.44 |
| (e) | | Cost of labour | | | 3539.38 |
| (f) | | Cost of transportation | | | 224.23 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 3763.61 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 376.36 |
| (h) | | Credit depreciated value of taken back materials | | | -2350.00 |
| | | Expenditure to be recovered (Grand total) | | | 23356.41 |
| Rounded to Rs. | | | | | 23360.00 |
| Rupees TwentyThree Thousand Three Hundred Sixty Only | | | | | |

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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

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|--|-----|--|------------|------|-----------------|
| 1 | 1 | Iron screws of sizes | 22.88 | doz | 22.88 |
| 2 | 160 | PVC 120 Sqmm S.C cable | 99.00 | M | 15840.00 |
| 3 | 4.4 | GI wire 4 mm (8SWG) | 70.40 | kg | 309.76 |
| 4 | 2 | Bolts and Nuts of sizes | 100.10 | kg | 200.20 |
| 5 | 1 | Insulation tape | 20.02 | roll | 20.02 |
| (a) | | Cost of materials (Sub-total) | | | 16392.86 |
| (b) | | Storage @ 3% | | | 491.79 |
| (c) | | Contingency @ 3% | | | 491.79 |
| (d) | | Overhead charges @10% of cost of materials | | | 1639.29 |
| | | Expenditure on materials (Sub-total) | | | 19015.72 |
| (e) | | Cost of labour | | | 3539.38 |
| (f) | | Cost of transportation | | | 224.23 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 3763.61 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 376.36 |
| (h) | | Credit depreciated value of taken back materials | | | -2585.00 |
| | | Expenditure to be recovered (Grand total) | | | 20570.69 |
| Rounded to Rs. | | | | | 20600.00 |
| Rupees Twenty Thousand Six Hundred Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 560.63 |
| | | Add 10% supervision charges | | | 56.06 |
| | | Total | | | 616.70 |
| | | Rounded to Rs. | | | 650.00 |
| Rupees Six Hundred Fifty Only | | | | | |

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Estimate for shifting three phase energy Meters

| SI.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 | 737.63 |
| | | Add 10% supervision charges | | | 73.76 |
| | | Total | | | 811.39 |
| | | Rounded to Rs. | | | 850.00 |
| Rupees Eight Hundred Fifty Only | | | | | |

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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 | 1298.52 |
| | | Add 10% supervision charges | | | 129.85 |
| | | Total | | | 1428.37 |
| | | Rounded to Rs. | | | 1450.00 |
| Rupees One Thousand Four Hundred Fifty Only | | | | | |
| | | | | | |
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Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 1020.80 | E | 1020.80 |
| 3 | 1 | Clamp G.I for V cross arm | 173.80 | E | 173.80 |
| 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 | 62.70 | set | 250.80 |
| 8 | 4 | Packing clamp for pin insulator | 21.01 | E | 84.04 |
| 9 | 1 | Stay set complete | 917.40 | set | 917.40 |
| 10 | 1 | Provision for earthing | 557.81 | E | 557.81 |
| 11 | 3 | Pole top bracket | 123.20 | E | 369.60 |
| 12 | 1.50 | Bolt & Nut of sizes | 100.10 | kg | 150.15 |
| (a) | | Cost of materials (Sub-total) | | | 8727.40 |
| (b) | | Storage @ 3% | | | 261.82 |
| (c) | | Contingency @ 3% | | | 261.82 |
| (d) | | Overhead charges @10% of cost of materials | | | 872.74 |
| | | Expenditure on materials (Sub-total) | | | 10123.78 |
| (e) | | Cost of labour | | | 3670.45 |
| (f) | | Cost of transportation | | | 1824.19 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 5494.64 |
| (g) | | Supervision charges on cost of labour and | | | 549.46 |
| | | Expenditure to be recovered (Grand total) | | | 16167.88 |
| Rounded to Rs. | | | | | 16200.00 |
| Rupees Sixteen Thousand Two Hundred Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 1020.80 | E | 1020.80 |
| 4 | 1 | Clamp G.I for V cross Arm | 173.80 | E | 173.80 |
| 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 | 62.70 | set | 250.80 |
| 9 | 3 | Packing clamp for pin insulator | 21.01 | E | 63.03 |
| 10 | 3 | Pole top bracket | 123.20 | E | 369.60 |
| 11 | 1.50 | Bolt & Nut of sizes | 100.10 | E | 150.15 |
| (a) | | Cost of materials (Sub-total) | | | 10140.68 |
| (b) | | Storage @ 3% | | | 304.22 |
| (c) | | Contingency @ 3% | | | 304.22 |
| (d) | | Overhead charges @10% of cost of materials | | | 1014.07 |
| | | Expenditure on materials (Sub-total) | | | 11763.19 |
| (e) | | Cost of labour | | | 4016.32 |
| (f) | | Cost of transportation | | | 2162.21 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 6178.53 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 617.85 |
| | | Expenditure to be recovered | | | 18559.57 |
| | | | | Rounded to Rs. | 18600.00 |
| Rupees Eighteen Thousand Six Hundred Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

Providing strut using LT pole

| SI.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 | | | 1301.54 |
| (f) | | Cost of transportation | | | 1264.58 |
| | | Cost of labour & transportation sub total (e&f) | | | 2566.12 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 256.61 |
| | | Expenditure to be recovered (Grand total) | | | 6909.76 |
| Rounded to Rs. | | | | | 6950.00 |
| Rupees Six Thousand Nine Hundred Fifty Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL 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 | | | 2168.19 |
| (f) | | Cost of Transportation | | | 1264.58 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 3432.77 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 343.28 |
| | | Expenditure to be recovered (Grand total) | | | 9375.13 |
| | | | | Rounded to | 9400.00 |
| Rupees Nine Thousand Four Hundred Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 100.10 | kg | 50.05 |
| Cost of materials (Sub-total) | | | | | 760.65 |
| (b) | | Storage @ 3% of cost of materials | | | 22.82 |
| (c) | | Contingency @ 3% of cost of materials | | | 22.82 |
| (d) | | Overhead charges @ 10% of cost of materials | | | 76.07 |
| Expenditure on materials (Sub-total) | | | | | 882.35 |
| (e) | | Cost of labour | | | 660.79 |
| (f) | | Cost of transportation, loading & unloading | | | 224.23 |
| Cost of labour & transportation Sub-total (e&f) | | | | | 885.02 |
| (g) | | Supervision charges on cost of labour and transportation @ 10% | | | 88.50 |
| | | | | | 1855.88 |
| Rounded to | | | | | 1900.00 |

Rupees One Thousand Nine Hundred Only

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Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 100.10 | kg | 100.10 |
| (a) | | Cost of materials (Sub-total) | | | 1017.50 |
| (b) | | Storage @ 3% | | | 30.53 |
| (c) | | Contingency @ 3% | | | 30.53 |
| (d) | | Overhead charges @10% of cost of materials | | | 101.75 |
| | | Expenditure on materials (Sub-total) | | | 1180.30 |
| (e) | | Cost of labour | | | 956.38 |
| (f) | | Transportation,loading &unloading | | | 224.23 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 1180.61 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 118.06 |
| | | Expenditure to be recovered (Grand total) | | | 2478.97 |
| | | Rounded to | | | 2500.00 |
| Rupees Two Thousand Five Hundred Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 47.44 | M | 49815.15 |
| (a) | | Cost of materials (Sub-total) | | | 49815.15 |
| (b) | | Storage @ 3% of cost of materials | | | 1494.45 |
| (c) | | Contingency @ 3% of cost of materials | | | 1494.45 |
| (d) | | Overhead charges @10% of cost of materials of cost of | | | 4981.52 |
| | | Expenditure on materials (Sub-total) | | | 57785.57 |
| (e) | | Cost of labour | | | 15430.70 |
| (f) | | Cost of transportation | | | 472.70 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 15903.40 |
| | | Supervision charges on cost of labour and transportation @10% | | | 1590.34 |
| | 60 | Cost of taken back materials (assuming AAC/AAAC) 1000x60 gm | 124.00 | kg | 8184.00 |
| | | Grand Total | | | 67095.31 |
| | | Expenditure to be recovered per metre | | | 67.10 |
| | | | | Rounded to | 70.00 |
| Rupees Seventy Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 29.46 | M | 30936.68 |
| (a) | | Cost of materials (Sub-total) | | | 30936.68 |
| (b) | | Storage @ 3% of cost of materials | | | 928.10 |
| (c) | | Contingency @ 3% of cost of materials | | | 928.10 |
| (d) | | Overhead charges @10% of cost of materials of cost of | | | 3093.67 |
| | | Expenditure on materials (Sub-total) | | | 35886.54 |
| (e) | | Cost of labour | | | 15348.03 |
| (f) | | Transportation, loading & unloading | | | 472.7 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 15820.73 |
| | | Supervision charges on cost of labour and transportation @10% | | | 1582.07 |
| 60 | | Cost of taken back materials (assuming AAC/AAAC) 1000x60 gm | 124.00 | kg | 8184.00 |
| | | | | Grand Total | 45105.35 |
| | | Expenditure to be recovered per metre | | | 45.11 |
| | | | | Rounded to | 45.00 |
| Rupees FourtyFive Only | | | | | |

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Reconductoring 1km HT line with ACSR Raccoon

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|---------------------------------------|------|--|------------|--|------------------|
| 1 | 3150 | ACSR Raccoon | 70.71 | M | 222730.20 |
| (a) | | Cost of materials (Sub-total) | | | 222730.20 |
| (b) | | Storage @ 3% of cost of materials | | | 6681.91 |
| (c) | | Contingency @ 3% of cost of materials | | | 6681.91 |
| (d) | | Overhead charges @ 10% of cost of materials of cost of materials | | | 22273.02 |
| | | Expenditure on materials (Sub-total) | | | 258367.03 |
| (e) | | Cost of labour | | | 57872.52 |
| (f) | | Cost of Transportation, loading & unloading | | | 3199.46 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 61071.97 |
| | | Supervision charges on cost of labour and transportation @ 10% | | | 6107.20 |
| | 204 | Cost of taken back materials (assuming ACSR Mink) 1000x204 gm | 104.00 | kg | 23337.60 |
| | | | | Grand Total | 302208.60 |
| | | | | Expenditure to be recovered per metre | 302.21 |
| | | | | Rounded to | 305.00 |
| Rupees Three Hundred Five Only | | | | | |

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Reconductoring 1 km HT line with ACSR Rabbit

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|--|------|--|------------|------|------------------|
| 1 | 3150 | ACSR Rabbit | 47.44 | M | 149445.45 |
| (a) | | Cost of materials (Sub-total) | | | 149445.45 |
| (b) | | Storage @ 3% of cost of materials | | | 4483.36 |
| (c) | | Contingency @ 3% of cost of materials | | | 4483.36 |
| (d) | | Overhead charges @ 10% of cost of materials of cost of | | | 14944.55 |
| | | Expenditure on materials (Sub-total) | | | 173356.72 |
| (e) | | Cost of labour | | | 51925.46 |
| (f) | | Transportation, loading & unloading | | | 3199.46 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 55124.92 |
| (g) | | Supervision charges on cost of labour and transportation @ 10% | | | 5512.49 |
| | 204 | Cost of taken back materials (Assuming ACSR Mink) 1000x204gm | 104.00 | kg | 21216.00 |
| | | Grand Total | | | 212778.13 |
| | | Expenditure to be recovered per metre | | | 212.78 |
| | | Rounded to | | | 215.00 |
| Rupees Two Hundred Fifteen Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

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

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|--------------------------------|------|--|------------|------|-----------------|
| 1 | 1050 | ACSR Rabbit | 47.44 | M | 49816.31 |
| 2 | 14 | LT Shackle insulators set | 66.00 | set | 924.00 |
| 3 | 21 | LT pin insulator set | 62.70 | set | 1316.70 |
| 4 | 21 | Packing clamp for pin insulator | 21.01 | E | 441.21 |
| 5 | LS | Provision for sectionalizing | 1968.47 | LS | 1968.47 |
| (a) | | Cost of materials (sub-total) | | | 54466.69 |
| (b) | | Storage @ 3% of cost of materials | | | 1634.00 |
| (c) | | Contingency @ 3% of cost of materials | | | 1634.00 |
| (d) | | Overhead charges @10% of cost of materials | | | 5446.67 |
| | | Expenditure on materials (Sub-total) | | | 63181.36 |
| (e) | | Cost of labour | | | 31063.22 |
| (f) | | Cost of transportation | | | 472.70 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 31535.92 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 3153.59 |
| | | Grand Total | | | 97870.87 |
| | | Expenditure to be recovered per metre | | | 97.87 |
| | | Rounded to Rs. | | | 100.00 |
| Rupees One Hundred Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 47.44 | M | 49816.31 |
| 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 | 62.70 | set | 1316.70 |
| 6 | 21 | Packing clamp for pin insulator | 21.01 | E | 441.21 |
| 7 | LS | Provision for sectionalizing | 1968.47 | LS | 1968.47 |
| 8 | 15 | Bolts and Nuts | 100.10 | kg | 1501.50 |
| (a) | | Cost of materials (sub-total) | | | 66709.69 |
| (b) | | Storage @ 3% of cost of materials | | | 2001.29 |
| (c) | | Contingency @ 3%of cost of materials | | | 2001.29 |
| (d) | | Overhead charges @10% of cost of materials of | | | 6670.97 |
| | | Expenditure on materials (Sub-total) | | | 77383.24 |
| (e) | | Cost of labour | | | 32537.97 |
| (f) | | Cost of transportation | | | 472.70 |
| | | Cost of Labour & transportation Sub-total (e&f) | | | 33010.67 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 3301.07 |
| | | Grand Total | | | 113694.97 |
| | | Expenditure to be recovered per metre | | | 113.69 |
| | | | | Rounded to Rs. | 115.00 |
| Rupees One Hundred Fifteen Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

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

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|---------------------------|------|--|------------|------|-----------------|
| 1 | 1050 | ACSR Weasel | 29.46 | M | 30936.68 |
| 2 | 14 | LT Shackle set | 66.00 | set | 924.00 |
| 3 | 21 | LT pin insulator set | 62.70 | set | 1316.70 |
| 4 | 21 | Packing Clamp for pin insulator | 21.01 | E | 441.21 |
| 5 | LS | Provision for sectionalizing | 1968.47 | LS | 1968.47 |
| (a) | | Cost of materials (sub-total) | | | 35587.06 |
| (b) | | Storage @ 3% of cost of materials | | | 1067.61 |
| (c) | | Contingency @ 3% of cost of materials | | | 1067.61 |
| (d) | | Overhead charges @10% of cost of materialsof | | | 3558.71 |
| | | Expenditure on materials (Sub-total) | | | 41280.99 |
| (e) | | Cost of labour | | | 30974.74 |
| (f) | | Cost of transportation | | | 472.70 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 31447.44 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 3144.74 |
| | | Grand Total | | | 75873.17 |
| | | Expenditure to be recovered per metre | | | 75.87 |
| | | Rounded to Rs. | | | 80.00 |
| Rupees Eighty Only | | | | | |

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

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

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|-------------------------------|------|--|------------|------|-----------------|
| 1 | 1050 | ACSR Weasel | 29.46 | M | 30936.68 |
| 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 | 62.70 | set | 1316.70 |
| 6 | 21 | Packing Clamp for pin insulator | 21.01 | E | 441.21 |
| 7 | LS | Provision for sectionalizing | 1968.47 | LS | 1968.47 |
| 8 | 15 | Bolts and Nuts | 100.10 | kg | 1501.50 |
| (a) | | Cost of materials (sub-total) | | | 47830.06 |
| (b) | | Storage @ 3% | | | 1434.90 |
| (c) | | Contingency @ 3% | | | 1434.90 |
| (d) | | Overhead charges @10% of cost of materials | | | 4783.01 |
| | | Expenditure on materials (Sub-total) | | | 55482.87 |
| (e) | | Cost of labour | | | 32449.48 |
| (f) | | Cost of transportation | | | 472.70 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 32922.18 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 3292.22 |
| | | Grand Total | | | 91697.27 |
| | | Expenditure to be recovered per metre | | | 91.70 |
| | | Rounded to Rs. | | | 95.00 |
| Rupees NinetyFive Only | | | | | |

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

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

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|-------|------|--|------------|------|------------------|
| 1 | 2100 | ACSR Rabbit | 47.44 | E | 99632.61 |
| 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 | 62.70 | set | 2633.40 |
| 6 | 42 | Packing clamp for pin insulator | 21.01 | E | 882.42 |
| 7 | 12 | Bolts and nuts | 100.10 | kg | 1201.20 |
| 8 | 4 | LT lightning arrestors | 385.00 | E | 1540.00 |
| (a) | | Cost of materials (sub-total) | | | 127719.13 |
| (b) | | Storage @ 3% of cost of materials | | | 3831.57 |
| (c) | | Contingency @ 3%of cost of materials | | | 3831.57 |
| (d) | | Overhead charges @10% of cost of materials | | | 12771.91 |
| | | Expenditure on materials (Sub-total) | | | 148154.19 |
| (e) | | Cost of labour | | | 45756.30 |
| (f) | | Cost of transportation | | | 1890.80 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 47647.10 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 4764.71 |
| | | Grand Total | | | 200566.00 |
| | | Expenditure to be recovered per metre | | | 200.57 |
| | | Rounded to Rs. | | | 200.00 |

Rupees Two Hundred Only

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Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 47.44 | M | 99632.61 |
| 2 | 1050 | ACSR Weasel | 29.46 | M | 30936.68 |
| 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 | 62.70 | set | 3950.10 |
| 7 | 63 | Packing clamp for pin insulator | 21.01 | E | 1323.63 |
| 8 | 12 | Bolts and nuts | 100.10 | kg | 1201.20 |
| 9 | 4 | LT lightning arrestors | 385.00 | E | 1540.00 |
| (a) | | Cost of materials (sub-total) | | | 161337.72 |
| (b) | | Storage @ 3% of cost of materials | | | 4840.13 |
| (c) | | Contingency @ 3% of cost of materials | | | 4840.13 |
| (d) | | Overhead charges @ 10% of cost of materials | | | 16133.77 |
| | | Expenditure on materials (Sub-total) | | | 187151.75 |
| (e) | | Cost of labour | | | 48649.95 |
| (f) | | Cost of transportation | | | 2363.50 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 51013.45 |
| (g) | | Supervision charges on cost of labour and transportation @ 10% | | | 5101.35 |
| | | Grand Total | | | 243266.55 |
| | | Expenditure to be recovered per metre | | | 243.27 |
| | | Rounded to Rs. | | | 245.00 |
| Rupees Two Hundred FourtyFive Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

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

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|-------|------|--|------------|------|------------------|
| 1 | 2100 | ACSR Rabbit | 47.44 | M | 99632.61 |
| 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 | 62.70 | set | 2633.40 |
| 6 | 42 | Packing clamp for pin insulator | 21.01 | E | 882.42 |
| 7 | 12 | Bolts and nuts | 100.10 | kg | 1201.20 |
| 8 | 4 | LT lightning arrestors | 385.00 | E | 1540.00 |
| (a) | | Cost of materials (sub-total) | | | 118479.13 |
| (b) | | Storage @ 3% of cost of materials | | | 3554.37 |
| (c) | | Contingency @ 3% of cost of materials | | | 3554.37 |
| (d) | | Overhead charges @ 10% of cost of materials | | | 11847.91 |
| | | Expenditure on materials (Sub-total) | | | 137435.79 |
| (e) | | Cost of labour | | | 51876.19 |
| (f) | | Cost of transportation | | | 2363.50 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 54239.69 |
| (g) | | Supervision charges on cost of labour and transportation @ 10% | | | 5423.97 |
| | | Grand Total | | | 197099.45 |
| | | Expenditure to be recovered per metre | | | 197.10 |
| | | Rounded to Rs. | | | 200.00 |

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

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

| SI.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 | 62.70 | set | 2006.40 |
| 5 | 32 | Packing clamp for pin insulator | 21.01 | E | 672.32 |
| 6 | 15 | Bolt and Nuts of size | 100.10 | kg | 1501.50 |
| 7 | 2100 | ACSR Rabbit | 47.44 | M | 99630.30 |
| 8 | 2 | LT lightning Arrestor | 385.00 | E | 770.00 |
| 9 | 6 | Earthing complete | 762.43 | E | 4574.59 |
| 10 | LS | Provision for sectionalizing | 1968.47 | LS | 1968.47 |
| 11 | 20 | Composite LT spacers | 64.35 | E | 1287.00 |
| (a) | | Cost of materials (sub-total) | | | 120832.18 |
| (b) | | Storage @ 3% of cost of materials | | | 3624.97 |
| (c) | | Contingency @ 3%of cost of materials | | | 3624.97 |
| (d) | | Overhead charges @10% of cost of materials | | | 12083.22 |
| | | Expenditure on materials (Sub-total) | | | 140165.33 |
| (e) | | Cost of labour | | | 19713.50 |
| (f) | | Cost of transportation | | | 945.40 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 20658.90 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 2065.89 |
| | | Grand Total | | | 162890.12 |
| | | Expenditure to be recovered per metre | | | 162.89 |
| | | Rounded to Rs. | | | 165.00 |
| Rupees One Hundred SixtyFive Only | | | | | |

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

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

| SI.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 | 62.70 | set | 3009.60 |
| 5 | 48 | Packing clamp for pin insulator | 21.01 | E | 1008.48 |
| 6 | 20 | Bolt and Nuts of size | 100.10 | kg | 2002.00 |
| 7 | 2100 | ACSR Rabbit | 47.44 | M | 99630.30 |
| 8 | 1050 | ACSR Weasel | 29.47 | M | 30942.45 |
| 9 | 2 | LT Lightning Arrestor | 385.00 | E | 770.00 |
| 10 | 6 | Earthing complete | 762.43 | E | 4574.59 |
| 11 | LS | Provision for sectionalising | 1968.47 | LS | 1968.47 |
| 12 | 20 | Composite LT spacers | 64.35 | E | 1287.00 |
| (a) | | Cost of materials (sub-total) | | | 160478.49 |
| (b) | | Storage @ 3% of cost of materials | | | 4814.35 |
| (c) | | Contingency @ 3%of cost of materials | | | 4814.35 |
| (d) | | Overhead charges @10% of cost of materials | | | 16047.85 |
| | | Expenditure on materials (Sub-total) | | | 186155.05 |
| (e) | | Cost of labour | | | 34992.64 |
| (f) | | Cost of transportation | | | 1418.10 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 36410.74 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 3641.07 |
| | | Grand Total | | | 226206.86 |
| | | Expenditure to be recovered per metre | | | 226.21 |
| | | Rounded to Rs. | | | 230.00 |
| Rupees Two Hundred Thirty Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

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

| SI.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 | 62.70 | set | 4012.80 |
| 5 | 64 | Packing clamp for pin insulator | 21.01 | E | 1344.64 |
| 6 | 20 | Bolt and Nuts of sizes | 100.10 | Kg | 2002.00 |
| 7 | 3150 | ACSR Rabbit | 47.44 | M | 149445.45 |
| 8 | 1050 | ACSR Weasel | 29.47 | M | 30942.45 |
| 9 | 6 | LT Lightning Arrestor | 385.00 | E | 2310.00 |
| 10 | 6 | Earthing complete | 762.43 | E | 4574.59 |
| 11 | LS | Provision for sectionalizing | 1968.47 | LS | 1968.47 |
| 12 | 20 | Composite LT spacers | 64.35 | E | 1287.00 |
| (a) | | Cost of materials (sub-total) | | | 213701.00 |
| (b) | | Storage @ 3% of cost of materials | | | 6411.03 |
| (c) | | Contingency @ 3% of cost of materials | | | 6411.03 |
| (d) | | Overhead charges @10% of cost of materials | | | 21370.10 |
| | | Expenditure on materials (Sub-total) | | | 247893.16 |
| (e) | | Cost of labour | | | 39795.19 |
| (f) | | Cost of transportation | | | 1890.80 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 41685.99 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 4168.60 |
| | | Grand Total | | | 293747.75 |
| | | Expenditure to be recovered per metre | | | 293.75 |
| | | Rounded to Rs. | | | 295.00 |
| Rupees Two Hundred NinetyFive Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

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

| SI.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 | 62.70 | set | 5016.00 |
| 7 | 80 | Packing clamp for pin insulator | 21.01 | E | 1680.80 |
| 8 | 30 | Bolt and Nuts of sizes | 100.10 | kg | 3003.00 |
| 9 | 3150 | ACSR Rabbit | 47.44 | M | 149445.45 |
| 10 | 2100 | ACSR Weasel | 29.47 | M | 61884.90 |
| 11 | 6 | LT Lightning Arrestor | 385.00 | E | 2310.00 |
| 12 | 6 | Earthing complete | 762.43 | E | 4574.59 |
| 13 | LS | Provision for sectionalising | 1968.47 | LS | 1968.47 |
| 14 | 20 | Composite LT spacers | 64.35 | E | 1287.00 |
| (a) | | Cost of materials (sub-total) | | | 254877.41 |
| (b) | | Storage @ 3% of cost of materials | | | 7646.32 |
| (c) | | Contingency @ 3% of cost | | | 7646.32 |
| (d) | | Overhead charges @ 10% of cost of materials | | | 25487.74 |
| | | Expenditure on materials (Sub-total) | | | 295657.80 |
| (e) | | Cost of labour | | | 44597.74 |
| (f) | | Cost of transportation | | | 2363.50 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 46961.24 |
| (g) | | Supervision charges on cost of labour and transportation @ 10% | | | 4696.12 |
| | | Grand Total | | | 347315.16 |
| | | Expenditure to be recovered per metre | | | 347.32 |
| | | Rounded to Rs. | | | 350.00 |

Rupees Three Hundred Fifty Only

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Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

Construction of 1 km LT Single Phase 2 Wire line

| SI.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 | 62.70 | set | 2633.40 |
| 6 | 42 | Packing clamp for pin insulator | 21.01 | E | 882.42 |
| 7 | 15 | Bolt and Nuts of size | 100.10 | kg | 1501.50 |
| 8 | 28 | LT stay set | 710.60 | set | 19896.80 |
| 9 | 2100 | ACSR Rabbit | 47.44 | M | 99630.30 |
| 10 | 4 | Clamp for 2 Nos. strut | 168.17 | E | 672.67 |
| 11 | 2 | LT Lightning Arrestor | 385.00 | E | 770.00 |
| 12 | 6 | Earthing complete | 762.43 | E | 4574.59 |
| 13 | LS | Provision for sectionalising | 1968.47 | LS | 1968.47 |
| 14 | 20 | Composite LT spacers | 64.35 | E | 1287.00 |
| (a) | | Cost of materials (sub-total) | | | 227872.66 |
| (b) | | Storage @ 3% of cost of materials | | | 6836.18 |
| (c) | | Contingency @ 3% of cost | | | 6836.18 |
| (d) | | Overhead charges @ 10% of cost of materials | | | 22787.27 |
| | | Expenditure on materials (Sub-total) | | | 264332.28 |
| (e) | | Cost of labour | | | 87381.41 |
| (f) | | Cost of transportation | | | 20122.69 |
| | | Cost of labour & transportation | | | 107504.09 |
| (g) | | Supervision charges on cost of labour and | | | 10750.41 |
| | | Grand Total | | | 382586.78 |
| | | Expenditure to be recovered per metre | | | 382.59 |
| | | Rounded to Rs. | | | 385.00 |
| Rupees Three Hundred EightyFive Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 62.70 | set | 3950.10 |
| 6 | 63 | Packing clamp for pin insulator | 21.01 | E | 1323.63 |
| 7 | 20 | Bolt and Nuts of size | 100.10 | kg | 2002.00 |
| 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 | 47.44 | M | 99630.30 |
| 11 | 1050 | ACSR Weasel | 29.47 | M | 30942.45 |
| 12 | 2 | LT Lightning Arrestor | 385.00 | E | 770.00 |
| 13 | 6 | Earthing complete | 762.43 | E | 4574.59 |
| 14 | LS | Provision for sectionalising | 1968.47 | LS | 1968.47 |
| 15 | 20 | Composite LT spacers | 64.35 | E | 1287.00 |
| (a) | | Cost of materials (sub-total) | | | 271276.32 |
| (b) | | Storage @ 3% of cost of materials | | | 8138.29 |
| (c) | | Contingency @ 3% of cost of materials | | | 8138.29 |
| (d) | | Overhead charges @10% of cost of materials | | | 27127.63 |
| | | Expenditure on materials (Sub-total) | | | 314680.54 |
| (e) | | Cost of labour | | | 87214.66 |
| (f) | | Cost of transportation | | | 20595.39 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 107810.05 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 10781.00 |
| | | Grand Total | | | 433271.59 |
| | | Expenditure to be recovered per metre | | | 433.27 |
| | | Rounded to Rs. | | | 435.00 |

Rupees Four Hundred ThirtyFive Only

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Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

Construction of 1 km of LT three phase 4 wire line

| SI.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 | 62.70 | set | 5266.80 |
| 6 | 84 | Packing clamp for pin insulator | 21.01 | E | 1764.84 |
| 7 | 20 | Bolt and Nuts of size | 100.10 | kg | 2002.00 |
| 8 | 28 | Stay set | 710.60 | set | 19896.80 |
| 9 | 3150 | ACSR Rabbit | 47.44 | M | 149445.45 |
| 10 | 1050 | ACSR Weasel | 29.47 | M | 30942.45 |
| 11 | 4 | Clamp for 2 Nos. strut | 177.87 | E | 711.48 |
| 12 | 6 | LT Lightning Arrestor | 385.00 | E | 2310.00 |
| 13 | 6 | Earthing complete | 762.43 | E | 4574.59 |
| 14 | LS | Provision for sectionalising | 1968.47 | LS | 1968.47 |
| 15 | LS | Provision for helically formed fitting | 8685.71 | LS | 7896.10 |
| 16 | 20 | Composite LT spacers | 64.35 | E | 1287.00 |
| (a) | | Cost of materials (sub-total) | | | 333209.48 |
| (b) | | Storage @ 3% of cost of materials | | | 9996.28 |
| (c) | | Contingency @ 3% of cost of materials | | | 9996.28 |
| (d) | | Overhead charges @ 10% of cost of materials | | | 33320.95 |
| | | Expenditure on materials (Sub-total) | | | 386523.00 |
| (e) | | Cost of labour | | | 92500.42 |
| (f) | | Cost of transportation | | | 21068.09 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 113568.51 |
| (g) | | Supervision charges on cost of labour and transportation @ 10% | | | 11356.85 |
| | | Grand Total | | | 511448.36 |
| | | Expenditure to be recovered per metre | | | 511.45 |
| | | Rounded to Rs. | | | 515.00 |
| Rupees Five Hundred Fifteen Only | | | | | |

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Cost Data of Distribution works approved by the Commission for KDHPCL 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 | 62.70 | set | 6583.50 |
| 8 | 105 | Packing Clamp for Pin insulator | 21.01 | E | 2206.05 |
| 9 | 30 | Bolt and Nuts of size | 100.10 | kg | 3003.00 |
| 10 | 28 | Stay set complete | 710.60 | set | 19896.80 |
| 11 | 3150 | ACSR Rabbit | 47.44 | M | 149445.45 |
| 12 | 2100 | ACSR Weasel | 29.47 | M | 61884.90 |
| 13 | 4 | Clamp for 2 Nos. strut | 177.87 | E | 711.48 |
| 14 | 6 | LT Lightning Arrestor | 385.00 | E | 2310.00 |
| 15 | 6 | Earthing complete | 762.43 | E | 4574.59 |
| 16 | LS | Provision for sectionalising | 1968.47 | LS | 1968.47 |
| 17 | 20 | Composite LT spacers | 64.35 | E | 1287.00 |
| (a) | | Cost of materials (sub-total) | | | 370680.24 |
| (b) | | Storage @ 3% of cost of materials | | | 11120.41 |
| (c) | | Contingency @ 3% of cost | | | 11120.41 |
| (d) | | Overhead charges @ 10% of cost of materials | | | 37068.02 |
| | | Expenditure on materials (Sub-total) | | | 429989.08 |
| (e) | | Cost of Labour | | | 101789.06 |
| (f) | | Cost of transportation | | | 21540.79 |
| | | Cost of Labour & transportation Sub-total (e&f) | | | 123329.85 |
| (g) | | Supervision charges on cost of labour and transportation @ 10% | | | 12332.98 |
| | | Grand Total | | | 565651.91 |
| | | Expenditure to be recovered per metre | | | 565.65 |
| | | Rounded to Rs. | | | 570.00 |
| Rupees Five Hundred Seventy Only | | | | | |

Sd/-
K. Vikraman Nair
Member

Sd/-
S. Venugopal
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 KDHPCL 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 | 1020.80 | E | 16332.80 |
| 3 | 16 | Clamp G.I for V Cross Arm | 173.80 | E | 2780.80 |
| 4 | 27 | MS Cleat | 69.30 | E | 1871.10 |
| 5 | 90 | Washers of sizes | 6.88 | E | 618.75 |
| 6 | 50 | Bolt and Nuts of size | 100.10 | kg | 5005.00 |
| 7 | 21 | Stay set complete | 1280.40 | set | 26888.40 |
| 8 | 3150 | ACSR Rabbit | 47.44 | M | 149445.45 |
| 9 | 125 | Angles and channels | 93.17 | kg | 11646.25 |
| 10 | 27 | Tension set with single disc | 585.20 | set | 15800.40 |
| 11 | 16 | Provision for coil earthing | 557.81 | E | 8924.96 |
| 12 | 48 | 11 KV Pin insulator set | 139.70 | E | 6705.60 |
| 13 | 16 | Pole top bracket | 123.20 | E | 1971.20 |
| 14 | 8 | Provision for pipe earthing | 2890.25 | set | 23122.00 |
| (a) | | Cost of materials (sub-total) | | | 372794.71 |
| (b) | | Storage @ 3% of cost of materials | | | 11183.84 |
| (c) | | Contingency @ 3%of cost | | | 11183.84 |
| (d) | | Overhead charges @10% of cost of materials | | | 37279.47 |
| | | Expenditure on materials (Sub-total) | | | 432441.86 |
| (e) | | Cost of labour | | | 173838.25 |
| (f) | | Cost of transportation | | | 23742.63 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 197580.88 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 19758.09 |
| | | Grand Total | | | 649780.83 |
| | | Expenditure to be recovered per metre | | | 649.78 |
| | | Rounded to Rs. | | | 650.00 |

Rupees Six Hundred Fifty 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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Member

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S. Venugopal
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 KDHPCL for the financial year 2016-17.

Construction of 1Km of 11KV line using ACSR Raccoon (with out tree cutting compensation) using

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|-------|------|--|------------|------|------------------|
| 1 | 24 | 9m PSC pole | 4213.00 | E | 101112.00 |
| 2 | 16 | V cross arm | 1020.80 | E | 16332.80 |
| 3 | 16 | Clamp G.I for V Cross Arm | 173.80 | E | 2780.80 |
| 4 | 27 | MS Cleat | 69.30 | E | 1871.10 |
| 5 | 90 | Washers of sizes | 6.88 | E | 618.75 |
| 6 | 50 | Bolt and Nuts of size | 100.10 | kg | 5005.00 |
| 7 | 21 | Stay set complete | 1280.40 | set | 26888.40 |
| 8 | 3150 | ACSR Raccoon | 70.71 | M | 222730.20 |
| 9 | 125 | Angles and channels | 93.17 | kg | 11646.25 |
| 10 | 27 | Tension set with single disc | 585.20 | set | 15800.40 |
| 11 | 16 | Provision for coil earthing | 557.81 | E | 8924.96 |
| 12 | 48 | 11 KV Pin insulator set | 139.70 | E | 6705.60 |
| 13 | 16 | Pole top bracket | 123.20 | E | 1971.20 |
| 14 | 8 | Provision for pipe earthing | 2890.25 | set | 23122.00 |
| (a) | | Cost of materials (sub-total) | | | 445509.46 |
| (b) | | Storage @ 3% of cost of materials | | | 13365.28 |
| (c) | | Contingency @ 3%of cost of | | | 13365.28 |
| (d) | | Overhead charges @10% of cost of materials | | | 44550.95 |
| | | Expenditure on materials (Sub-total) | | | 516790.97 |
| (e) | | Cost of labour | | | 177818.71 |
| (f) | | Cost of transportation | | | 23742.63 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 201561.34 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 20156.13 |
| | | Grand Total | | | 738508.45 |
| | | Expenditure to be recovered per metre | | | 738.51 |
| | | Rounded to Rs. | | | 740.00 |

Rupees Seven Hundred Fourty 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
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S. Venugopal
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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 KDHPCL for the financial year 2016-17.

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

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|-------|------|--|------------|------|-------------------|
| 1 | 1.05 | 3x300 sq.mm XLPE UG Cable | 1079307.90 | km | 1133273.30 |
| 2 | 3 | 3x300 Sq mm XLPE end termination kit | 2568.50 | E | 7705.50 |
| 3 | 2 | 3x300 sq. mm XLPE st. joint kit | 5243.70 | E | 10487.40 |
| (a) | | Cost of materials (Sub-total) | | | 1151466.20 |
| (b) | | Storage @ 3% of cost of materials | | | 34543.99 |
| (c) | | Contingency @ 3% of cost of materials | | | 34543.99 |
| (d) | | Overhead charges @10% of cost of materials | | | 115146.62 |
| | | Expenditure on materials (Sub-total) | | | 1335700.79 |
| (e) | | Cost of labour | | | 778227.32 |
| (f) | | Cost of transportation | | | 16160.55 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 794387.87 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 79438.79 |
| | | Grand total | | | 2209527.44 |
| | | Expenditure to be recovered per metre | | | 2209.53 |
| | | Rounded to Rs. | | | 2210.00 |

Rupees Two Thousand Two Hundred Ten Only

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

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Member**

**Sd/-
S. Venugopal
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 KDHPCL for the financial year 2016-17.

Construction of 1 Km of 11KV line using ACSR Raccoon with A Pole (with out tree cutting compensation)

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|-------|------|--|----------|-------------------|-------------------|
| 1 | 24 | A pole -10m | 14183.40 | E | 340401.60 |
| 2 | 16 | V cross arm | 1020.80 | E | 16332.80 |
| 3 | 16 | Clamp G.I for V Cross Arm | 173.80 | E | 2780.80 |
| 4 | 27 | MS Cleat | 69.30 | E | 1871.10 |
| 5 | 90 | Washers of sizes | 6.88 | E | 618.75 |
| 6 | 50 | Bolt and Nuts of size | 100.10 | kg | 5005.00 |
| 7 | 21 | Stay set complete | 1280.40 | set | 26888.40 |
| 8 | 3150 | ACSR Raccoon | 70.71 | M | 222730.20 |
| 9 | 125 | Angles and channels | 93.17 | kg | 11646.25 |
| 10 | 27 | Tension set with single disc | 585.20 | set | 15800.40 |
| 11 | 16 | Provision for coil earthing | 557.81 | E | 8924.96 |
| 12 | 48 | 11 KV pin insulator set | 139.70 | E | 6705.60 |
| 13 | 16 | Pole top bracket | 123.20 | E | 1971.20 |
| 14 | 8 | Provision for pipe earthing | 2890.25 | set | 23122.00 |
| (a) | | Cost of materials (sub-total) | | | 684799.06 |
| (b) | | Storage @ 3% of cost of materials | | | 20543.97 |
| (c) | | Contingency @ 3%of cost of materials | | | 20543.97 |
| (d) | | Overhead charges @10% of cost of materials | | | 68479.91 |
| | | Expenditure on materials (Sub-total) | | | 794366.91 |
| (e) | | Cost of labour | | | 202446.91 |
| (f) | | Cost of transportation,loading & unloading | | | 31043.21 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 233490.12 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 23349.01 |
| | | Grand Total | | | 1051206.04 |
| | | Expenditure to be recovered per metre | | | 1051.21 |
| | | | | Rounded to | 1055.00 |

Rupees One Thousand FiftyFive 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/-
S. Venugopal
Member

Sd/-
T.M. Manoharan
Chairman

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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

Construction of 1km of 11kV line using ACSR Raccoon with 4 Legged tower (with out provision for tree cutting compensation)

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|-------|------|---|----------|------|-------------------|
| 1 | 24 | 4 legged pole -10 M | 47850.00 | E | 1148400.00 |
| 2 | 24 | 3 M channel cross arm | 2163.70 | E | 51928.80 |
| 3 | 24 | Clamp G.I for channel cross arm | 91.30 | E | 2191.20 |
| 4 | 27 | MS Cleat | 69.30 | E | 1871.10 |
| 5 | 90 | Washers of sizes | 6.88 | E | 618.75 |
| 6 | 50 | Bolt and Nuts of size | 100.10 | kg | 5005.00 |
| 7 | 3150 | ACSR Raccoon | 70.71 | M | 222730.20 |
| 8 | 125 | Angles and channels | 93.17 | kg | 11646.25 |
| 9 | 27 | Tension set with single disc | 585.20 | set | 15800.40 |
| 10 | 16 | Provision for coil earthing | 557.81 | E | 8924.96 |
| 11 | 48 | 11 KV Pin insulator set | 139.70 | E | 6705.60 |
| 12 | 16 | Pole top bracket | 123.20 | E | 1971.20 |
| 13 | 8 | Provision for pipe earthing | 2890.25 | set | 23122.00 |
| (a) | | Cost of materials (sub-total) | | | 1500915.46 |
| (b) | | Storage @ 3% of cost of materials | | | 45027.46 |
| (c) | | Contingency @ 3%of cost of materials | | | 45027.46 |
| (d) | | Overhead charges @10% of cost of materials of | | | 150091.55 |
| | | Expenditure on materials (Sub-total) | | | 1741061.93 |
| (e) | | Cost of labour | | | 192797.96 |
| (f) | | Cost of transportation,loading &unloading | | | 37313.59 |
| (g) | 24 | Providing concrete muffing for 4 leg tower | 3762.30 | | 90295.20 |
| | | Cost of labour & transportation, including muffing Sub-total (e&f) | | | 320406.74 |
| (h) | | Supervision charges on cost of labour and transportation @10% | | | 32040.67 |
| | | Grand Total | | | 2093509.35 |
| | | Expenditure to be recovered per metre | | | 2093.51 |
| | | Rounded to | | | 2100.00 |

Rupees Two Thousand One 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.

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K. Vikraman Nair
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Sd/-
S. Venugopal
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 KDHPCL for the financial year
2016-17.

Installation of 11 kV/ 433 V, 25 kVA Transformer

| Sl.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|---|-----|--|------------|-----------------------|------------------|
| 1 | 1 | 25 kVA Transformer | 90098.80 | E | 90098.80 |
| 2 | 2 | 9 M PSC Pole | 4213.00 | E | 8426.00 |
| 3 | 8 | Channel cross arm 3 M | 2163.70 | E | 17309.60 |
| 4 | 8 | Clamp G.I for channel cross arm | 102.30 | E | 818.40 |
| 5 | 15 | Bolt & Nut of sizes | 100.10 | kg | 1501.50 |
| 6 | 40 | Washers of sizes | 6.88 | E | 275.00 |
| 7 | 1 | 11 kV AB Switch 400 A | 13245.10 | E | 13245.10 |
| 8 | 3 | D. O. Fuse unit | 1373.90 | E | 4121.70 |
| 9 | 3 | 11 kV Lightning Arrestor | 327.80 | E | 983.40 |
| 10 | 5 | Provision for pipe earthing | 2890.25 | E | 14451.25 |
| 11 | 1 | Provision for Jumpering | 1373.31 | LS | 1373.31 |
| 12 | 1 | Provision for clamping | 522.81 | LS | 522.81 |
| 13 | 3 | Fuse unit 63A | 296.30 | E | 888.89 |
| 14 | 1 | Distribution Box | 3456.20 | LS | 3456.20 |
| 15 | 2 | Statutory Boards | 14.52 | E | 29.04 |
| 16 | 5 | 2 line X arm | 215.60 | E | 1078.00 |
| 17 | 5 | Clamp G.I for 2 line cross arm | 91.30 | E | 456.50 |
| 18 | 1 | Lock & Key | 157.30 | E | 157.30 |
| 19 | 30 | LT XLPE Al. 1X50 sq mm unarmoured cable | 51.70 | M | 1551.00 |
| 20 | 16 | Al socket 50 sq.mm. | 8.09 | E | 129.36 |
| (a) | | Cost of materials (Sub-total) | | | 160873.15 |
| (b) | | Storage @ 3% of cost of materials | | | 4826.19 |
| (c) | | Contingency @ 3% of cost of materials | | | 4826.19 |
| (d) | | Overhead charges @10% of cost of materials | | | 16087.32 |
| | | Expenditure on materials (Sub-total) | | | 186612.86 |
| (e) | | Cost of labour | | | 28888.64 |
| (f) | | Cost of transportation | | | 5839.38 |
| | | Cost of labour & transportation Sub-total (e&f) | | | 34728.02 |
| (g) | | Supervision charges on cost of labour and | | | 3472.80 |
| | | Expenditure to be recovered (Grand total) | | | 224813.68 |
| | | | | Rounded to Rs. | 224850.00 |
| Rupees Two Lakh TwentyFour Thousand Eight Hundred Fifty Only | | | | | |
| Note: Amount required for PTCC Clearance shall be collected extra. | | | | | |

Sd/-
K. Vikraman Nair
Member

Sd/-
S. Venugopal
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 KDHPCL for the financial year 2016-17.

Installation of 1 No. 11 kV/ 433 V, 100 kVA Transformer without stay

| Sl.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|-------|-----|--|------------|-----------------------|------------------|
| 1 | 1 | 100 kVA Transformer | 171538.40 | E | 171538.40 |
| 2 | 2 | 9 M PSCpole | 4213.00 | E | 8426.00 |
| 3 | 8 | Channel cross arm 3M | 2163.70 | E | 17309.60 |
| 4 | 8 | Clamp G.I for channel cross crm | 102.30 | E | 818.40 |
| 5 | 15 | Bolts and Nuts of sizes | 100.10 | kg | 1501.50 |
| 6 | 40 | Washers of sizes | 6.88 | E | 275.00 |
| 7 | 1 | AB Switch 11 kV 400 A | 13245.10 | E | 13245.10 |
| 8 | 3 | D O Fuse unit | 1373.90 | E | 4121.70 |
| 9 | 3 | 11 KV LT Lightning Arrestor | 327.80 | E | 983.40 |
| 10 | 5 | Provision for earthing | 3032.21 | E | 15161.03 |
| 11 | 1 | Provision for jumpering | 1373.31 | LS | 1373.31 |
| 12 | 1 | Provision for clamping | 522.81 | LS | 534.38 |
| 13 | 6 | Fuse unit 200A | 799.70 | E | 4798.20 |
| 14 | 1 | Distribution box | 3456.20 | LS | 3456.20 |
| 15 | 2 | Statutory boards | 14.52 | E | 29.04 |
| 16 | 5 | 2 line X arm | 215.60 | E | 1078.00 |
| 17 | 4 | Clamp G.I for 2 line cross arm | 91.30 | E | 365.20 |
| 18 | 1 | Lock and key | 157.30 | E | 157.30 |
| 19 | 60 | LT XLPE Al 1X95 sq mm unarmoured cable | 80.30 | M | 4818.00 |
| 20 | 25 | Al socket 95 sq mm | 12.01 | E | 300.30 |
| (a) | | Cost of materials (Sub-total) | | | 250290.05 |
| (b) | | Storage @ 3% of cost of materials | | | 7508.70 |
| (c) | | Contingency @ 3% of cost of materials | | | 7508.70 |
| (d) | | Overhead charges @10% of cost of materials | | | 25029.01 |
| | | Expenditure on materials (Sub-total) | | | 290336.46 |
| (e) | | Cost of labour | | | 30583.92 |
| (f) | | Cost of transportation | | | 5839.38 |
| | | Cost of labour & transportation | | | 36423.30 |
| (g) | | Supervision charges on cost of labour and | | | 3642.33 |
| | | Expenditure to be recovered (Grand total) | | | 330402.09 |
| | | | | Rounded to Rs. | 330450.00 |

Rupees Three Lakh Thirty Thousand Four Hundred Fifty Only

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

Sd/-
K. Vikraman Nair
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S. Venugopal
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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 KDHPCL for the financial year 2016-17.

Installation of 1 No. 11 kV/ 433 V, 160 kVA Transformer without stay (pole mounted)

| Sl.No | Qty | Particulars | Rate (Rs) | Unit | Amount |
|--|-----|---|-----------|-----------------------|------------------|
| 1 | 1 | 160 kVA transformer | 250255.50 | E | 250255.50 |
| 2 | 2 | 9M PSC pole | 4213.00 | E | 8426.00 |
| 3 | 1 | Constructing plinth | 40138.25 | E | 40138.25 |
| 4 | 6 | Channel cross arm 3M | 2163.70 | E | 12982.20 |
| 5 | 6 | Clamp G.I for channel cross arm | 102.30 | E | 613.80 |
| 6 | 15 | Bolts and Nuts of size | 100.10 | Kg | 1501.50 |
| 7 | 40 | Washers of sizes | 6.88 | E | 275.00 |
| 8 | 1 | 11 kV AB switch | 13245.10 | E | 13245.10 |
| 9 | 3 | D O Fuse unit | 1373.90 | E | 4121.70 |
| 10 | 3 | 11 kV LT Lightning Arrestor | 327.80 | E | 983.40 |
| 11 | 5 | Provision for earthing | 3032.21 | E | 15161.03 |
| 12 | 1 | Provision for jumpering | 1373.31 | Ls | 1373.31 |
| 13 | 1 | Provision for clamping | 522.81 | Ls | 522.81 |
| 14 | 9 | Fuse unit 200A | 799.70 | E | 7197.30 |
| 15 | 1 | Distribution Box | 3456.20 | Ls | 3456.20 |
| 16 | 2 | Statutory Boards | 14.52 | E | 29.04 |
| 17 | 4 | 2 line X arm | 215.60 | E | 862.40 |
| 18 | 4 | G.I clamp for 2 line cross arm | 91.30 | E | 365.20 |
| 19 | 1 | Lock and key | 157.30 | E | 157.30 |
| 20 | 90 | LT XLPE AL 1X120 sq mm unarmoured cable | 99.00 | M | 8910.00 |
| 21 | 34 | Al socket 120 sq mm | 18.13 | E | 616.35 |
| (a) | | Cost of materials (Sub-total) | | | 371193.38 |
| (b) | | Storage @ 3% of cost of materials | | | 11135.80 |
| (c) | | Contingency @ 3% of cost of materials | | | 11135.80 |
| (d) | | Overhead charges @10% of cost of materials | | | 37119.34 |
| | | Expenditure on materials (Sub-total) | | | 430584.32 |
| (e) | | Cost of labour | | | 30795.54 |
| (f) | | Cost of transportation | | | 5839.38 |
| | | Cost of labour & transportation | | | 36634.93 |
| (g) | | Supervision charges on cost of labour and transportation @10% | | | 3663.49 |
| | | Expenditure to be recovered (Grand total) | | | 470882.74 |
| | | | | Rounded to Rs. | 470900.00 |
| Rupees Four Lakh Seventy Thousand Nine Hundred Only | | | | | |
| Note: Amount required for PTCC Clearance shall be collected extra. | | | | | |

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Chairman

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Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

| 67 Installation of 11 kV/433V 250 kVA Transformer | | | | | |
|--|-----|--|-----------|-----------------------|------------------|
| Sl.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
| 1 | 1 | 250 KVA transformer | 260843.00 | E | 260843.00 |
| 2 | 2 | 9M PSC pole | 4213.00 | E | 8426.00 |
| 3 | 1 | Constructing plinth | 40138.25 | E | 40138.25 |
| 4 | 6 | Channel cross arm 3m | 2163.70 | E | 12982.20 |
| 5 | 6 | Clamp G.I for channel cross arm | 102.30 | E | 613.80 |
| 6 | 15 | Bolt and Nut of size | 100.10 | kg | 1501.50 |
| 7 | 40 | Washers of sizes | 6.88 | E | 275.00 |
| 8 | 1 | 11 kV AB switch | 13245.10 | E | 13245.10 |
| 9 | 3 | D O Fuse unit | 1373.90 | E | 4121.70 |
| 10 | 3 | 11 KV Lightning Arrestor | 327.80 | E | 983.40 |
| 11 | 5 | Provision for earthing | 3032.21 | E | 15161.03 |
| 12 | 1 | Provision for jumpering | 1373.31 | LS | 1373.31 |
| 13 | 1 | Provision for clamping | 522.81 | LS | 522.81 |
| 14 | 9 | Fuse unit 300A | 1180.30 | E | 10622.70 |
| 15 | 1 | Distribution box | 3456.20 | LS | 3456.20 |
| 16 | 2 | Statutory boards | 14.52 | E | 29.04 |
| 17 | 4 | 2 line X arm | 215.60 | E | 862.40 |
| 18 | 4 | Clamp G.I for 2 line cross arm | 91.30 | E | 365.20 |
| 19 | 1 | Lock and key | 157.30 | E | 157.30 |
| 19 | 90 | 11V XLPE Al 1X50 sq mm unarmoured cable | 183.70 | M | 16533.00 |
| 20 | 34 | Al Socket 50 sq mm | 8.09 | E | 274.89 |
| (a) | | Cost of materials (Sub-total) | | | 392487.82 |
| (b) | | Storage @ 3% of cost of materials | | | 11774.63 |
| (c) | | Contingency @ 3% of cost of materials | | | 11774.63 |
| (d) | | Overhead charges @10% of cost of materials | | | 39248.78 |
| | | Expenditure on materials (Sub-total) | | | 455285.87 |
| (e) | | Cost of labour | | | 34875.91 |
| (f) | | Cost of transportation | | | 7145.71 |
| | | Cost of labour & transportation | | | 42021.62 |
| (g) | | Supervision charges on cost of labour and | | | 4202.16 |
| | | Expenditure to be recovered (Grand total) | | | 501509.66 |
| | | | | Rounded to Rs. | 501550.00 |
| Rupees Five Lakh One Thousand Five Hundred Fifty Only | | | | | |
| Note: Amount required for PTCC Clearance shall be collected extra. | | | | | |

Sd/-
K. Vikraman Nair
Member

Sd/-
S. Venugopal
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 KDHPCL for the financial year 2016-17.

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

| Sl.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|--|-----|--|-----------|------|------------------|
| 1 | 1 | 500 kVA Transformer | 536023.40 | E | 536023.40 |
| 2 | 2 | 9M PSC Pole | 4213.00 | E | 8426.00 |
| 3 | 1 | Construction of Plinth | 32780.73 | E | 32780.73 |
| 4 | 6 | Channel cross arm 3M | 2163.70 | E | 12982.20 |
| 5 | 6 | Clamp G.I for channel cross arm | 102.30 | E | 613.80 |
| 6 | 15 | Bolt & Nut of sizes | 100.10 | kg | 1501.50 |
| 7 | 40 | Washers of sizes | 7.15 | E | 286.00 |
| 8 | 1 | 11 kV AB Switch | 13245.10 | E | 13245.10 |
| 9 | 3 | D. O. Fuse unit | 1373.90 | E | 4121.70 |
| 10 | 3 | 11 kV Lightning Arrestor | 327.80 | E | 983.40 |
| 11 | 5 | Provision for earthing | 3032.21 | E | 15161.03 |
| 12 | 1 | Provision for jumpering | 1373.31 | LS | 1373.31 |
| 13 | 1 | Provision for clamping | 522.81 | LS | 522.81 |
| 14 | 12 | Fuse unit 300 A | 1180.30 | E | 14163.60 |
| 15 | 1 | Distribution box | 3456.20 | LS | 3456.20 |
| 16 | 2 | Statutory boards | 14.52 | E | 29.04 |
| 17 | 4 | 2 line X arm | 479.60 | E | 1918.40 |
| 18 | 4 | Clamp G.I for 2 line Cross Arm | 91.30 | E | 365.20 |
| 19 | 1 | Lock & Key | 157.30 | E | 157.30 |
| 20 | 120 | LT XLPE Al 1X240 sq mm, unarmoured cable | 262.90 | M | 31548.00 |
| 21 | 43 | Al. socket 240 sq.mm. | 49.28 | E | 2119.04 |
| (a) | | Cost of materials (Sub-total) | | | 681777.75 |
| (b) | | Storage @ 3% of cost of materials | | | 20453.33 |
| (c) | | Contingency @ 3% of cost of materials | | | 20453.33 |
| (d) | | Overhead charges @10% of cost of materials | | | 68177.77 |
| | | Expenditure on materials (Sub-total) | | | 790862.18 |
| (e) | | Cost of labour | | | 49837.42 |
| (f) | | Cost of transportation | | | 7145.71 |
| | | Cost of labour & transportation | | | 56983.13 |
| (g) | | Supervision charges on cost of labour and | | | 5698.31 |
| | | Expenditure to be recovered (Grand total) | | | 853543.63 |
| Rounded to Rs. | | | | | 853550.00 |
| Rupees Eight Lakh FiftyThree Thousand Five Hundred Fifty Only | | | | | |
| Note: Amount required for PTCC Clearance shall be collected extra. | | | | | |

Sd/-
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KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

Installation of double tube fittings including cost of fluorescent tubes

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|-------|-----|--|------------|-----------------------|----------------|
| 1 | 1 | Street light fitting with 2x40 watts FT with CBN | 1605.00 | E | 1605.00 |
| 2 | 1 | Pipe fitting for double FT with CBN for street light fitting | 795.00 | E | 795.00 |
| 3 | LS | Weather proof wire and wiring clip | 200.00 | E | 200.00 |
| | | Cost of materials (sub-total) | 0.00 | E | 2600.00 |
| | | Storage @ 3% of cost of materials | 0.00 | E | 78.00 |
| | | Contingency @ 3% of cost of materials | 0.00 | kg | 78.00 |
| | | Overhead charges @ 10% of cost of materials | 0.00 | E | 260.00 |
| | | Expenditure on materials (Sub-total) | 0.00 | E | 3016.00 |
| | | Cost of labour | 0.00 | E | 357.19 |
| | | Cost of transportation | 0.00 | E | 134.09 |
| | | Cost of labour and transportation Sub-total (e&f) | 0.00 | E | 491.28 |
| | | Supervision charges on cost of labour and transportation @ 10% | 0.00 | LS | 49.13 |
| | | Expenditure to be recovered (Grand total) | 0.00 | LS | 3556.41 |
| | | | | Rounded to Rs. | 3600.00 |

Rupees Three Thousand Six Hundred Only

Sd/-

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Member

Sd/-

S. Venugopal
Member

Sd/-

T.M. Manoharan
Chairman

Approved for issue

Secretary

KERALA STATE ELECTRICITY REGULATORY COMMISSION

Cost Data of Distribution works approved by the Commission for KDHPCL for the financial year 2016-17.

Installation of ordinary street light

| SI.No | Qty | Particulars | Rate Rs | Unit | Amount Rs |
|--|-----|--|------------|-----------------------|----------------|
| 1 | 1 | Street light fittings | 450.00 | E | 450.00 |
| 2 | 1 | DC reflector with nipples and holders | 200.00 | E | 200.00 |
| 3 | LS | Weather proof wire and wiring clip, 40 W clamp | 195.00 | E | 195.00 |
| | | Cost of materials (sub-total) | 0.00 | E | 845.00 |
| | | Storage @ 3% of cost of materials | 0.00 | E | 25.35 |
| | | Contingency @ 3% of cost of materials | 0.00 | kg | 25.35 |
| | | Overhead charges @ 10% of cost of materials | 0.00 | E | 84.50 |
| | | Expenditure on materials (Sub-total) | 0.00 | E | 980.20 |
| | | Cost of labour | 0.00 | E | 257.00 |
| | | Cost of transportation | 0.00 | E | 134.55 |
| | | Cost of labour and transportation Sub-total (e&f) | 0.00 | E | 391.55 |
| | | Supervision charges on cost of labour and transportation @ 10% | 0.00 | LS | 39.16 |
| | | Expenditure to be recovered (Grand total) | 0.00 | LS | 1410.91 |
| | | | | Rounded to Rs. | 1450.00 |
| Rupees One Thousand Four Hundred Fifty Only | | | | | |

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S. Venugopal
Member

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T.M. Manoharan
Chairman

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