

**BEFORE THE HONB'LE KERALA STATE ELECTRICITY REGULATORY
COMMISSION**
at its office, KPFC Bhavan, Vellayambalam, Thiruvananthapuram

In the Matter of: **Petition for approving Revision of Estimate Rates for
Distribution Works based on revised uniform and basic rate
of materials and labour**

Petitioner: Kerala State Electricity Board, Vidyuthi Bhavanam, Pattom,
Thiruvananthapuram

Repondent:

THE PETITIONER SUBMITS THE FOLLOWING THAT:

1. The petition is filed under Clause 7(3) of Kerala Electricity Supply Code, 2005 wherein it is specified that the Licensee shall annually obtain approval of the Commission for the Schedule of Rates for recovery of expenditure under Section 46 of Electricity Act, 2003.
2. Vide, Order No. KSERC/IV/Supply Code 2009/746/28-08-2009 and Order dated 03-01-2013 in OP 32/2012, Hon'ble Commission had approved the rates for Distribution works & estimate for installation of Ring Main Units (RMU) which came into force with effect from 01-09-2009 and 03-01-2013 respectively.
3. The annual inflation during 2009-10, 2010-11, 2011-12 and 2012-13 were 12.32%, 10.53%, 9.04% and 8.39% (provisional) respectively. The inflationary trend in the economy has its impact on all input costs like labour and material. The Government of Kerala, after taking into account the prevailing cost of labour has revised the PWD schedule of rates. The cost of labour in the latest PWD schedule of rates is attached as **Exhibit-1**. The revised PWD-schedule of rates published in 2012 is already adopted by KSE Board also.
4. The cost of materials used in the distribution works has also increased considerably. Based on the rates discovered through transparent competitive bidding process followed in KSEB for procurement of various materials, cost data of materials has been revised by the Board and the same is attached as **Exhibit-2**. Copy of various purchase orders relied for arriving at the cost data are attached as **Exhibit-3**.

5. Based on the latest rates of labour and materials, the estimates rates for the distribution works are revised and was submitted on 14-03-2013 vide No. KSEB/TRAC/ Cost Data-Rev/R2/12/199 for kind approval of the Hon'ble Commission.
6. The revised estimate for the installation of RMUs in accordance with the PWD Schedule-2012 were also incorporated along with the revised rates for the Distribution works for approval.
7. The estimates for shifting of various kind of meters in consumer premises **were approved by the Hon'ble Commission while approving the schedule of miscellaneous charges.** The schedule generally consists of various types of fees leviable for specific services provided to the consumers. Thus it is felt that cost of work related to shifting of various meters in consumer premises shall form part of the estimate rates of distribution works instead of schedule of miscellaneous charges. Accordingly, the same is also included in the present submission for approval.
8. Vide, letter No. 560/C.Engg/ER/2013/452 dated 23-04-2013 of the Secretary, KSERC, KSEB was directed to file the matter as a petition along with a filing fee as per KSERC (Conduct of Business) Regulations, 2003 along with basic data for arriving the costs for kind consideration of the Hon'ble Commission.
9. **Based on the direction of the Hon'ble Commission, a petition** on the matter is submitted herewith incorporating the Schedule of Estimated Rates for Distribution Works as **Annexure-1**. The details of the estimate amounts arrived are also furnished in **Annexure-2**. The basic data used for arriving at the labour cost for each work is attached as **Exhibit-4**.
10. KSEB also intends to realise applicable tax, if any, notified by appropriate Government from time to time for onward remittance to Government.

PRAYER

Considering the facts submitted above and to be submitted at the time of hearing, it is humbly prayed **before the Hon'ble Commission** that the revised **Estimate Rates for Distribution Works as submitted here with as Annexure-1** may kindly be approved.

Sd/-

Chief Engineer (Commercial & Tariff)

ESTIMATED RATES FOR DISTRIBUTION WORKS			
ANNEXURE I			
ABSTRACT			
Sl. No.	INDEX	RATE IN RUPEES	REMARKS
I.	SERVICE CONNECTION		
1	Abstract estimate for LT single phase weather proof service connection upto and including 5kW (Using Static meter with LCD facility)	2750	
2	Abstract estimate for LT three phase weather proof service connection up to and including 10 KW (Using Static meter with LCD display)	5850	
3	Abstract estimate for LT three phase weather proof service connection above 10kW upto and including 25kW (Using Static meter with LCD display)	14600	
4	Abstract estimate for LT three phase weather proof service connection above 25kW & below 50kVA	25850	
5	Abstract estimate for LT three phase weather proof service connection from 50kVA and above upto and including 100kVA (Excluding cost for transformer installation)	28000	
6	Estimate for providing support pole for weather proof service connection.	4250	
7	Abstract estimate for LT single phase over head service connection upto and including 50m with maximum 1 Post	12200	
8	Abstract estimate for LT single phase over head service connection above 50m upto and including 100m with maximum 2 Posts	20050	1) Cost of providing weatherproof Service connection to be collected as per Serial No: I.1 to I.6 2) If any additional poles are required to maintain statutory clearances, in order to avoid property crossing etc, additional cost shall be collected as per SI No.1.15 to 1.20.
9	Abstract estimate for LT single phase over head service connection above 100m up to and including 150m with maximum 3 Posts	27650	
10	Abstract estimate for LT single phase over head service connection above 150m up to and including 200m with maximum 4 Posts	35750	
11	Abstract estimate for LT three phase over head service connection upto and including 50m with maximum 1 Post	21250	
12	Abstract estimate for LT three phase over head service connection above 50m upto and including 100m with maximum 2 Posts	37900	
13	Abstract estimate for LT three phase over head service connection above 100m up to and including 150m with maximum 3 Posts	54150	
14	Abstract estimate for LT three phase over head service connection above 150m up to and including 200m with maximum 4 Posts	70600	
15	Abstract estimate for post insertion for LT single phase over head service connection (without stay)	6450	
16	Abstract estimate for post insertion for LT single phase over head service connection (with stay)	7950	
17	Abstract estimate for post insertion for LT single phase over head service connection (with strut)	10050	

18	Abstract estimate for post insertion for LT three phase over head service connection (without stay)	7150	
19	Abstract estimate for post insertion for LT three phase over head service connection (with stay)	8300	
20	Abstract estimate for post insertion for LT three phase over head service connection (with strut)	10750	
21	Abstract estimate for conversion of LT single phase weatherproof service connection to LT three phase weather proof service connection with connected load upto and including 10kW	4450	
22	Abstract estimate for conversion of LT single phase weatherproof service connection to LT three phase weather proof service connection with connected load above 10 kW up to and including 25kW	14050	
23	Abstract estimate for conversion of LT single phase weatherproof service connection to LT three phase weather proof service connection with load above 25kW and below 50kVA	23400	
24	Abstract estimate for conversion of LT single phase weatherproof service connection to LT three phase weather proof service connection with load 50kVA and above up to and including 100kVA	25350	
25	Estimate for the load enhancement of connected load of LT 3 Ph weather proof service connection with a maximum load of 10kW into the range of >10 kW - 25 kW.	13200	
26	Estimate for the load enhancement of connected load of LT 3 Ph weather proof service connection with a maximum load of 10kW into the range of >25 kW and less than 50 kVA.	25050	
27	Estimate for the load enhancement of connected load of LT 3 Ph weather proof service connection with a maximum load of 10kW into the range of 50 kVA-100 kVA.	27900	
28	Estimate for the load enhancement of connected load of LT 3 Ph weather proof service connection with a connected load >10 kW - 25 kW in to the range of >25 kW and less than 50 kVA.	25050	
29	Estimate for the load enhancement of connected load of LT 3 Ph weather proof service connection with a connected load >10 kW - 25 kW in to the range of 50 kVA – 100 kVA.	20950	
30	Estimate for the load enhancement of connected load of LT 3 Ph weather proof service connection with a connected load >25 kW to less than 50 kVA in to the range of 50 kVA – 100 kVA.	20950	

Meter Shifting			
31(a)	Estimate for 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.	433	Newly included
31(b)	Shifting one Three Phase Metering equipment with all fittings including lowering down the WP service wire ,Dismantling meter Board without making damage and refitting the same at new location and redoing the WP service wire with all fittings.	570	Newly included
31(c)	Estimate for 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.	997	Newly included
31(d)	Estimate for Shifting one Single Phase ToD Metering equipment with all fittings including lowering down the WP service wire ,Dismantling meter Board without making damage and refitting the same at new location and redoing the WP service wire with all fittings.	542	Newly included
31(e)	Estimate for Shifting one Three Phase ToD Metering equipment with all fittings including lowering down the WP service wire ,Dismantling meter Board without making damage and refitting the same at new location and redoing the WP service wire with all fittings.	1246	Newly included
II	DISTRIBUTION LINES		
1	Dismantling ,shiftingand re-erecting one LT pole with or without stays, Single Phase Overhead lines, of ACSR Rabbit all accessories and fittings	3100	Rate do not include cost of additional conductor
2	Dismantling ,shiftingand re-erecting one LT pole with or without stays, Three Phase Overhead lines, of ACSR Rabbit all accessories and fittings	3700	
3	Dismantling ,shiftingand re-erecting one 11KV pole with or without stays, 11KV Overhead lines, all accessories and fittings	5950	
4	Dismantling ,shiftingand re-erecting one 11KV double pole with or without stays, 11KV Overhead lines, all accessories and fittings	14600	
5	Adding one conductor ACSR Rabbit on the existing poles (where cross arm is available) inclusiveof cost of insulator,pin etc. and labour	94	per metre
6	Adding one conductor ACSR Rabbit on the existing poles (where cross arm is not available) inclusiveof cost of	116	per metre
7	Adding one conductor ACSR Weasel on the existing poles (where cross arm is available) inclusive of cost of insulator, pin etc. and labour	74	per metre
8	Adding one conductor ACSR Weasel on the existing poles (where cross arm is not available) inclusive of cost of	96	per metre
9	Conversion of LT single phase 2 wire line to LT Three phase 4 wire line	188	per metre
10	Conversion of LT single phase 2 wire line to LT Three phase 5 wire line	246	per metre
11	Conversion of LT single phase 3 wire line to LT Three phase 5 wire line	188	per metre
12	Drawing Single Phase 2 wire line under existing HT line	185	per metre
13	Drawing Single Phase 3 wire line under existing HT line	230	per metre

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14	Drawing Three Phase 4 wire line under existing HT line	292	per metre
15	Drawing Three Phase 5 wire line under existing HT line	337	per metre

16	Construction of LT,single phase, 2 wire line using PSC Poles	332	per metre
17	Construction of LT,single phase, 3 wire line using PSC Poles	391	per metre
18	Construction of LT,3 phase, 4 wire line using PSC Poles	459	per metre
19	Construction of LT,3 phase, 5 wire line using PSC Poles	496	per metre
20	Construction of 11KV ACSR RABBIT using PSC Poles (Amounts if any for PTCC Clearance to be collected extra)	596	per metre
21	Construction of 11KV ACSR RACOON using PSC Poles (Amounts if any for PTCC Clearance to be collected extra)	674	per metre
III	TRANSFORMERS		
1	Erection of 11KV/433V, 25 KVA transformer pole mounted including 2 Nos PSC Poles, DTR meter	233800	
2	Erection of 11KV/433V, 100 KVA transformer pole mounted including 2 Nos PSC Poles, DTR meter	339450	
3	Installation of 11KV/433V, 160 KVA transformer including DTR meter	441250	
4	Installation of 11KV/433V, 250 KVA transformer including DTR meter	485050	
5	Installation of 11KV/433V, 500 KVA transformer including DTR meter	741000	
IV	STREET LIGHTS		
1	Installation of double tube fittings including cost of fluorescent tubes	3900	
2	Installation of street light fitting complete with 40 W Bulb etc.	1550	
V	DTR Metering		57750
VI	Ring Main Units		
1	Data Acquisition compatible, extensible type Ring Main Unit without VCB-CCC (E) (Cable -Cable - Cable)	443450	
2	Data Acquisition compatible, extensible type Ring Main Unit without VCB-CTC (E) (Cable -Transformer -Cable)	502900	
3	Data Acquisition compatible, extensible type add- on type Ring Main Unit without VCB (Single Switch C-Extn.)	370700	
4	Data Acquisition compatible, extensible type add- on type Ring Main Unit with VCB (Single Switch T-Extn.)	447300	
5	Data Acquisition compatible, extensible type Ring Main Unit with provision for isolation and earthing facility on both sides (GCG)	346500	
Note:	Estimated rates for construction of single phase and three phase lines are calculated with ACSR Rabbit for phase conductor and ACSR Weasel for neutral and street main.		
	For OverHead service line connection provision for strut is to be included wherever necessary.		

<p>Cost of works in the distribution sector for which specific rates are not given shall be arrived at as follows:</p> <p>I. (a) Cost of materials as per cost data. (b) Centage charge 16% of (a). (c) Transportation charge, if any. (d) Labour charges. Total cost of work is [(a)+(b)+(c)+(d)]</p> <p>II. Supervision charge 10% of I Grand Total is (I + II)</p>

Comparative Statement			Annexure-II		
No.	Item	Rate in Rs			
I	SERVICE CONNECTION				
		2013	2009	diff	%diff
1	Estimate for LT single phase weather proof service connection upto and including 5kW (Using Static meter with LCD facility)	2750	1850	900	48.65
2	Estimate for LT three phase weather proof service connection up to and including 10 KW (Using Static meter with LCD display and TOD facility)	5850	4600	1250	27.17
3	Estimate for LT three phase weather proof service connection above 10kW upto and including 25kW (Using Static meter with LCD display and TOD facility)	14600	13100	1500	11.45
4	Estimate for LT three phase weather proof service connection above 25kW & below 50kVA	25850	23000	2850	12.39
5	Estimate for LT three phase weather proof service connection from 50kVA and above upto and including 100kVA (excluding cost for transformer installation)	28000	25500	2500	9.80
6	Estimate for providing support pole for weather proof service connection.	4250	2350	1900	80.85
7	Estimate for LT single phase over head service connection upto and including 50m with max. 1 Post	12200	8600	3600	41.86
8	Estimate for LT single phase over head service connection above 50 m upto and including 100 m with max. 2 Posts	20050	13150	6900	52.47

9	Estimate for LT single phase over head service connection above 100m up to and including 150m with max. 3 Posts	27650	18000	9650	53.61
10	Estimate for LT single phase over head service connection above 150m up to and including 200m with max. 4 Posts	35750	23050	12700	55.10
11	Estimate for LT three phase over head service connection upto and including 50m with max. 1 Post	21250	18150	3100	17.08
12	Estimate for LT three phase over head service connection above 50m upto and including 100m with max. 2 Posts	37900	29300	8600	29.35
13	Estimate for LT three phase over head service connection above 100m up to and including 150m with max. 3 Posts	54150	42000	12150	28.93
14	Estimate for LT three phase over head service connection above 150m up to and including 200m with max. 4 Posts	70600	54800	15800	28.83
15	Estimate for post insertion for LT single phase over head line (without stay)	6450	3550	2900	81.69
16	Estimate for post insertion for LT single phase over head line (with stay)	7950	4800	3150	65.63
17	Estimate for post insertion for LT single phase over head line (with strut)	10050	5600	4450	79.46
18	Estimate for post insertion for LT three phase over head line (without stay)	7150	4100	3050	74.39
19	Estimate for post insertion for LT three phase over head line (with stay)	8300	5350	2950	55.14

20	Estimate for post insertion for LT three phase over head line (with strut)	10750	6150	4600	74.80
21	Estimate for conversion of LT single phase weatherproof service connection to LT three phase weather proof service connection with connected load upto and including 10kW	4450	2500	1950	78.00
22	Estimate for conversion of LT single phase weatherproof service connection to LT three phase weather proof service connection with load above 10 kW up to and including 25kW	14050	11400	2650	23.25
23	Estimate for conversion of LT single phase weatherproof service connection to LT three phase weather proof service connection with load above 25kW and below 50kVA	23400	21600	1800	8.33
24	Estimate for conversion of LT single phase weatherproof service connection to LT three phase weather proof service connection with load 50kVA and above up to and including 100kVA	25350	24100	1250	5.19
25	Estimate for the enhancement of connected load of LT three phase weather proof service connection with a maximum load of 10kW into the range of 10 kW - 25 kW.	13200	Newly included		
26	Estimate for enhancement of connected load of LT three phase weather proof service connection with a maximum load of 10kW into the range of >25 kW and less than 50 kVA.	25050	Newly included		

27	Estimate for enhancement of connected load of LT three phase weather proof service connection with a maximum load of 10kW into the range of 50 kVA - 100 kVA.	27900	Newly included
28	Estimate for enhancement of connected load of LT three phase weather proof service connection with a connected load >10 kW - 25 kW in to the range of >25 kW and less than 50 kVA.	25050	Newly included
29	Estimate for enhancement of connected load of LT three phase weather proof service connection from the range of 10 kW - 25 kW in to the range of 50 kVA – 100 kVA (excluding the rate of installation of transformer).	20950	Newly included
30	Estimate for enhancement of connected load of LT three phase weather proof service connection from the range of 25 kW to 50 kVA in to the range of 50 kVA – 100 kVA (excluding the rate of installation of transformer)	20950	Newly included
Meter Shifting			
31(a)	Estimate for 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.	433	Newly included

31(b)	Shifting one Three Phase Metering equipment with all fittings including lowering down the WP service wire ,Dismantling meter Board without making damage and refitting the same at new location and redoing the WP service wire with all fittings.	570	Newly included		
31(c)	Estimate for 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.	997	Newly included		
31(d)	Estimate for Shifting one Single Phase ToD Metering equipment with all fittings including lowering down the WP service wire ,Dismantling meter Board without making damage and refitting the same at new location and redoing the WP service wire with all fittings.	542	Newly included		
31(e)	Estimate for Shifting one Three Phase ToD Metering equipment with all fittings including lowering down the WP service wire ,Dismantling meter Board without making damage and refitting the same at new location and redoing the WP service wire with all fittings.	1246	Newly included		
II.	DISTRIBUTION LINES				
1	Dismantling, shifting and re-erecting one LT Pole of Single Phase OH line using ACSR Rabbit (with or without stay)	3100	1210	1890	156.20

2	Dismantling, shifting and re-erecting one LT pole of Three phase with OH lines using ACSR Rabbit (with or without stay)	3700	1550	2150	138.71
3	Dismantling, shifting and re-erecting one 11KV pole with Overhead lines usign ACSR Racoon	5950	2450	3500	142.86
4	Dismantling ,shifting and re-erecting one 11KV double pole with OH lines (with or without stays)	14600	5670	8930	157.50
5	Adding one conductor (ACSR Rabbit) on the existing poles (where cross arm is available) inclusive of cost of pin,insulator etc.	94	66	28	42.42
6	Adding one conductor (ACSR Rabbit) on the existing poles (where cross arm is not available) inclusive of cost of pin, insulator etc.	11	83	-72	-86.75
7	Adding one conductor ACSR Weasel on the existing poles (where cross arm is available) inclusive of cost of pin, insulator etc.	74	45	29	64.44
8	Adding one conductor ACSR Weasel on the existing poles (where cross arm is not available) inclusive of cost ofpin,insulator etc.	96	61	35	57.38
9	Conversion of LT single phase 2 wire line to LT Three phase 4 wire line	188	120	68	56.67
10	Conversion of LT single phase 2 wire line to LT Three phase 5 wire line	246	154	92	59.74

11	Conversion of LT single phase 3 wire line to LT Three phase 5 wire line	188	120	68	56.67
12	Drawing Single Phase 2 wire line under existing HT line	185	105	80	76.19
13	Drawing Single Phase 3 wire line under existing HT line	230	136	94	69.12
14	Drawing Three Phase 4 wire line under existing HT line	292	241	51	21.16
15	Drawing Three Phase 5 wire line under existing HT line	337	274	63	22.99
16	Construction of LT single phase, 2 wire line	332	187	145	77.54
17	Construction of LT single phase, 3 wire line	391	232	159	68.53
18	Construction of LT 3 phase, 4 wire line	459	338	121	35.80
19	Construction of LT 3 phase, 5 wire line	496	367	129	35.15
20	Construction of 11KV line using ACSR RABBIT using PSC Poles (Including tree cutting compensation of Rs.70000/- per km; variation if any, to be adjusted as per actuals)	596	422	174	41.23
21	Construction of 11KV line using ACSR RACOON using PSC Poles (Including tree cutting compensation of Rs.70000/- per km; variation if any, to be adjusted as per actuals)	674	476	198	41.60
III	TRANSFORMERS				
1	Installation of 1 No. 11 KV/ 433 V , 25 KVA Transformer (pole mounted) including DTR meter	233800	172000	61800	35.93

2	Installation of 1 No. 11 KV/ 433 V , 100 KVA Transformer (pole mounted) including DTR meter	339450	220500	118950	53.95
3	Installation of 1 No. 11 KV/ 433 V , 160 KVA Transformer, including DTR meter	441250	311000	130250	41.88
4	Installation of 11KV/433V, 250 KVA Transformer, including DTR meter	485050	384000	101050	26.32
5	Installation of 1 No.11 KV/ 433 V , 500 KVA, Transformer, including DTR meter	741000	632000	109000	17.25
IV	STREET LIGHTS				
1	Installation of double tube fittings including cost of fluorescent tubes	3900	2300	1600	69.57
2	Installation of ordinary street light	1550	1050	500	47.62
V	DTR Metering	57750	20040	37710	188.17
VI	Ring Main Units				
1	Data Acquisition compatible, extensible type Ring Main Unit without VCB-CCC (E) (Cable - Cable - Cable)	443450	371300	72150	19.43
2	Data Acquisition compatible, extensible type Ring Main Unit without VCB-CTC (E) (Cable - Transformer - Cable)	502900	433200	69700	16.09
3	Data Acquisition compatible, extensible type add- on type Ring Main Unit without VCB (Single Switch C-Extn.)	370700	299800	70900	23.65

4	Data Acquisition compatible, extensible type add- on type Ring Main Unit with VCB (Single Switch T-Extn.)	447300	376000	71300	18.96
5	Data Acquisition compatible, extensible type Ring Main Unit with provision for isolation and earthing facility on both sides (GCG)	346500	328000	18500	5.64

Annexure III

COST OF MATERIAL			
No.	Materials	Rate	Unit
1	PSC Pole 7 m	1741.00	Each
2	PSC Pole 8 m	2141.00	Each
3	PSC Pole 9 m	3353.00	Each
4	Pole A type 10 m	12619.00	Each
5	Pole A type 11 m	13454.00	Each
6	Pole A type 12 m	14970.00	Each
7	Pole A type 13 m	16958.00	Each
8	Pole A type 13 m	16958.00	Each
9	Pole A type 14 m (33 kV)	28595.00	Each
10	Pole A type 12 m (33 kV)	17866.00	Each
11	Lattice A type	93693.00	Each
12	Lattice B type	113125.00	Each
13	Lattice C type	96988.00	Each
14	ACSR Raccoon	58569.00	KM
15	ACSR Rabbit	39324	KM
16	ACSR Weasel	24420.00	KM
17	ACSR Squirrel	16447.00	KM
18	25 KVA Transformer	52100.00	Each
19	100 KVA Transformer	121500	Each
20	160 KVA Transformer	177000	Each
21	250 KVA Transformer	206500.00	Each
22	500 KVA Transformer	395944.00	Each
23	2 Line Cross Arm	205.00	Each
24	4 Line Cross Arms	446.00	Each
25	Clamp G.I for LT Cross Arm (2/4 line)	46.00	Each
26	V Cross Arm GI 11kV	815.00	Each
27	Clamp G.I for V Cross Arm	147.00	Each
28	Channel cross arm 1.8 m	929.00	Each
29	Channel cross arm 2.4 m	1174.00	Each
30	Channel cross arm 3.0 m	2068.00	Each
31	Clamp for Channel Cross Arm	138.00	Each
32	Pole top Bracket 11 kV (F Clamp)	119.00	Each
33	Pole top Bracket 22 kV (F Clamp)	196.00	Each
34	MS Cleat	56.00	Each
35	Bolt & nut G.I (Assorted size)	75.00	Kg
36	G.I.wire 5 Sq.mm (6 SWG)	59.00	Kg.
37	Lock & Key	137.50	Set
38	3 x 300 Sq.mm XLPE UG Cable	886.29	Meter
39	3 x 300 Sq.mm XLPE End Termination Kit	4950.00	Each
40	3 x 300 Sq.mm XLPE St Joint Kit	8775.00	Each
41	AB Switch 11 kV 400 A	9884.00	Each
42	AB Switch 22 kV 400 A	15470.00	Each
43	D.O Fuse 11 kV	656.00	Each
44	lightning Arrester 22 kV	905.00	Each
45	Lightning Arrester 9kV 10 kA (Station class)	1752.00	Each
46	Lightning Arrester 9kV 5 kA	306	Each
47	Single Tension Clamp 11 kV (Hardware Fittings)	213.00	Each

48	Disc Insulator 11 kV 45 kN,porcelain	210.00	Each
49	Disc Insulator 22 kV 45 kN	276.00	Each
50	11 kV Tension Set with Insulator Disc	423.00	Set
51	Pin Insulator with Pin 11 KV	120.00	Set
52	Pin Insulator with Pin 22k V	362.00	Set
53	Stay Insulator 22 kV	24.00	Each
54	Stay Insulator 11kV	24.00	Each
55	Stay Rod G.I 20 mm. HT	210.00	Each
56	Stay Tightner 11 kV (Turn Buckle)	491.00	Each
57	Stranded Wire 7/3.2 Sq.mm (HT Stay Wire)	85.00	Kg
58	Stay Block	74.00	Each
59	Stay Set Complete – HT	1224.00	Set
60	Lightning Arrester LT	315.00	Each
61	Shackle Insulator with Straps & Bolts.	42.00	Each
62	Pin Insulator with Pin 415 V	44.00	Set
63	LT Pin Insulator with Pin & Packing clamp	54.00	Each
64	Stay insulator 415 V	8.00	Each
65	Stay Rod G.I 16 mm. LT	181.00	Each
66	Stay Tightner 415 V (Turn Buckle LT)	414.00	Each
67	Stranded Wire 7/2.5 Sq.mm (LT Stay Wire)	76.00	Kg
68	Stay Set Complete – LT	905.00	Set
69	GI Angle Iron	77.00	Kg
70	Composite LT Spacers	56.25	Each
71	EM 1X230 V CL 1.0 5-30 A Static LCD	677.00	Each
72	EM 3X230 V CL 1.0 10-60 Static LCD	2212.00	Each
73	EM 3X230 V CL 0.5S -/5A Static LCD &TOD (LT CT Meter)	3126.00	Each
74	Washers of sizes	6.25	Each
75	CT-PT unit 22kV/110V 100/5A CL 0.5S 3P 3W	56313.00	Each
76	CT-PT unit 22kV/110V 200/5A CL 0.5S 3P 3W	58565.00	Each
77	CT-PT unit 11 kV	32818.00	Each
78	DTR Meter	2946.00	Each
79	CT 100/5	615.00	Each
80	CT 200/5	466.00	Each
81	Neutral Link 32 A	40.00	Each
82	Neutral Link 100 A	386.00	Each
83	Neutral Link 200 A	681.00	Each
84	Porcelain cut out (32 A)	100.00	Each
85	Porcelain cut out (100 A)	450.00	Each
86	Porcelain cut out (200 A)	785.00	Each
87	Fuse unit 415 V Porcelain (32 A)	69.00	Each
88	Fuse unit 415 V Porcelain (63 A)	259.00	Each
89	Fuse unit 415V Porcelain (100 A)	360.00	Each
90	Fuse unit 415 V Porcelain (200 A)	723.00	Each
91	Fuse unit 415 V Porcelain (300 A)	1153.00	Each
92	Fuse Wire 50 A	602.00	Kg.
93	Fuse Wire 100 A	634.00	Kg
94	Fuse Wire 200 A	634.00	Kg
95	Fuse Wire 300 A	661.00	Kg
96	Black tape	22.50	Roll
97	Iron screw (Sizes)	20.00	doz.

98	Enamel Notice Board	11.00	Each
99	Earth pipe	437.00	Each
100	Earth Clamp	57.75	Each
101	Earthing coil	535.00	Each
102	Cable 1100 V Weather Proof AL 1x1.5 sq.mm (1/1.4 SC)	260.00	Coil
103	Cable 1100 V Weather Proof AL 2x1.5 sq.mm (1/1.8 TC)	524.00	Coil
104	Cable 1100 V Weather Proof AL 2x6 sq.mm (1/2.8 TC)	1100.00	Coil
105	Cable 1100 V XLPE AL 1x25 sq.mm Unarmoured	18.00	Meter
106	Cable 1100 V XLPE AL 1x50 sq.mm Unarmoured	32.00	Meter
107	Cable 1100 V XLPE AL 1x70 sq.mm Unarmoured	43.00	Meter
108	Cable 1100 V XLPE AL 1x95 sq.mm Unarmoured	56.00	Meter
109	Cable 1100 V XLPE AL 1x120 sq.mm Unarmoured	70.00	Meter
110	Cable 1100 V XLPE AL 1x150 sq.mm Unarmoured	84.00	Meter
111	Cable 1100 V XLPE AL 1x185 sq.mm Unarmoured	100.00	Meter
112	Cable 1100 V XLPE AL 2x50 sq.mm Armoured UG	96.00	Meter
113	Cable 1100 V XLPE AL 2x95 sq.mm Armoured UG	163.00	Meter
114	Cable 1100 V XLPE AL 3.5x95 sq.mm Armoured UG	242.00	Meter
115	Cable 1100 V XLPE AL 3.5x120 sq.mm Armoured UG	334.00	Meter
116	Cable LT PVC sheathed AL 50 Sq.mm	38.00	Meter
117	Cable LT PVC sheathed AL 120 Sq.mm	87.00	Meter
118	Cable LT PVC unsheathed AL 120 Sq.mm	77.00	Meter
119	Fluoroscent Tube with fittings T5 28 W	718.00	Each
120	Street Light Fitting with 2x40 W FT with CBN	1605.00	Set
121	Street Light Fitting with 1x40 W FT with CBN	437.00	Set
122	Pipe Fitting for Single FT with CBN for Street light fitting	397.00	Set
123	Pipe Fitting for double FT with CBN for Street light fitting	795.00	Set
124	Fluorescent tube 40 W	50.00	Each
125	11 kV RMU (extensible, DA Compatible) with 2 Nos. SF6 load break switches and Vacuum / SF6 Breakers for connecting Distribution Transformers, outdoor type (CTC)	3,17,000	Each
126	11 kV RMU (extensible, DA Compatible) with 3 Nos. SF6 load break switches , outdoor type (CCC)	2,65,000	Each
127	11 kV RMU (extensible, DA Compatible) with 2 Nos. SF6 load break switches and earthing switch on both sides, outdoor type (GCG)	1,89,000	Each
128	11 kV RMU (extensible, DA Compatible) add-on unit without VCB and with motors for remote switching (Single switch C Extension)	1,72,000	Each
129	11 kV RMU (extensible, DA Compatible) add-on unit with VCB and with motors for remote switching (Single switch T Extension).	2,32,000	Each