



KERALA STATE ELECTRICITY BOARD Limited



POWER SYSTEM STATISTICS 2017-18

Registered Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram – 695004 .
Website: www.kseb.in CIN: **U40100KL2011SGC027424**

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TABLE 1

GROWTH OF KERALA POWER SYSTEM

Sl. No.	Particulars	Unit	As on 31-3-06	As on 31-3-07	As on 31-3-08	As on 31-3-09	As on 31-3-10	As on 31-3-11	As on 31-3-12	As on 31-3-13	As on 31-3-14	As on 31-3-15	As on 31-3-16	As on 31-3-17	As on 31-3-18
1	Installed capacity	MW	2650.41	2662.96	2676.66	2744.76	2752.96	2869.56	2878.36	2881.22	2891.72	2835.63 *	2880.18	2915.80	2975.56
2	Maximum demand (Restricted)	MW	2578	2742	2745	2765	2998	3119	3348	3268	3588	3602	3860	4004	3884
3	Maximum demand (Unrestricted)	MW	2578	2862	2745	2765	2998	3119	3473	3298	3588	3727	3985	4079	3910
4	Annual energy requirement (Unrestricted)	MU	13567.99	14695.17	15442.73	16357.16	17350.02	17807.77	19521.41	20736.19	21264.51	22040.04	22944.45	23849.54	24432.96
5	Own generation	MU	7554.08	7695.11	8647.69	6440.44	7189.51	7359.97	8289.91	5334.27	8163.03	7286.90	6739.25	4325.08	5460.34
6	Power purchase (gross)	MU	6700.50	8149.84	8074.62	9628.87	10204.21	10512.27	11263.21	14908.82	14070.42	15031.71	16448.36	19734.93	19426.74
7	Energy available for sale Excl. PGCIL loss	MU	13331.03	14427.96	15065.15	15293.41	16982.29	17340.27	18938.80	19877.21	20542.49	21573.16	22727.34	23763.53	24340.79
8	Energy sale to other states	MU	635.91	1046.89	1346.76	463.33	53.90	130.24	201.10	0.97	1414.60	358.09	53.48	49.30	117.51
9	Energy sale (within the state)	MU	10269.80	11331.00	12049.85	12414.32	13971.09	14547.90	15980.53	16838.29	17470.86	18430.73	19460.32	20452.91	21159.19
10	Total sale including export	MU	10905.71	12377.89	13396.61	12877.65	14024.99	14678.14	16181.63	16839.26	18885.46	18788.82	19513.80	20502.21	21276.70
11	Per capita consumption	kWh	314	345	366	375	420	436	478	499	516	541	569	592	613
12	220 kV Lines	km	2640.85	2640.85	2641.86	2641.86	2734.70	2734.70	2734.70	2761.57	2765.00	2801.20	2801.88	2801.88	2856.88
13	110 kV Lines	km	3965.97	3993.71	4050.09	4067.59	4115.89	4150.11	4151.00	4178.55	4260.27	4299.67	4345.52	4460.75***	4521.50
14	66 kV Lines	km	2120.51	2150.78	2161.91	2161.91	2161.91	2161.91	2161.91	2166.51	2202.81	2202.81	2220.56	2154.75	2151.12
15	33 kV Lines	km	778.72	909.77	1015.21	1184.78	1390.20	1453.80	1534.80	1599.70	1719.28	1761.57	1826.66	1902.43	1943.51
16	HT lines (11 kV & 22 kV)	km	34,753	36,576	38,392	41,440	44,839	48,503	51,489	53,068	53,740	55,547	57,650	59,496	60,892
17	LT lines	km	2,17,899	2,26,128	2,34,286	2,41,849	2,49,687	2,56,449	2,60,554	2,63,620	2,68,753	2,68,753	278574	283,811	286,784
18	Step up transformer capacity	MVA	2,427.40	2,427.40	2,427.40	2,465.60	2,472.20	2,594.40	2,605.40	2,612.00	2,615.00	2659	2691.05	2699.05	2707.05

TABLE 1

GROWTH OF KERALA POWER SYSTEM

Sl. No.	Particulars	Unit	As on 31-3-06	As on 31-3-07	As on 31-3-08	As on 31-3-09	As on 31-3-10	As on 31-3-11	As on 31-3-12	As on 31-3-13	As on 31-3-14	As on 31-3-15	As on 31-3-16	As on 31-3-17	As on 31-3-18
19	Step down transformer capacity	MVA	13,669	13,777	14,246	14,631	15,726	16,660	16,996	17,408	17,913	18,461	18,779	19143.4	20499
20	EHT substations	No.	206	210	216	218	229	235	238	241	244	244	250	256	265 [#]
21	33 kV substations	No.	49	59	73	89	107	114	121	129	133	134	137	146	151
22	Distribution transformers	No.	37,573	39,697	42,250	46,359	52,149	57,954	62,329	64,972	67,546	71,195	73,460	75,580	77724
23	Distribution transformer capacity	MVA	4,938.73	5,062.97	5,328.14	5,842.81	6,613.80	7,225.02	7,673.92	7,940.37	8,329.11	8,694.21	8,950.01	9,141.12	9439
24	Number of consumers	Lakh	82.95	87.14	90.34	93.63	97.43	101.28	104.58	108.07	111.93	114.31	116.68	119.95	122.76
25	Connected load	MW	10,907.20	11,465.69	12,378.00	15,267.44	15,866.55	16,681.85	17,518.42	18,523.51	19,684.15	20391.53	20980.82	22040.62	23352.03
26	Street lights	No.	9,60,839	9,99,599	10,49,047	10,86,688	11,48,220	12,02,988	12,18,610	12,57,285	12,97,480	13,49,101	14,07,024	1412689	1417639
27	Irrigation pump sets	No.	4,23,571	4,35,673	4,40,958	4,31,745	4,37,877	4,46,460	4,55,078	4,66,289	4,78,449	4,90,056	5,00,082	512339	525367
28	Total revenue from sale of power	Rs.Crore	3,367.30	4,009.71	4,696.95	4,893.02	4,747.17	5,198.52	5,593.02	7,223.39	9974.18	9879.34	10487.71	11035.88	12057.27

Remarks

* Unit 2 & 3 of BDPP & Unit 1 & 4 of KDPP were de-commissioned as per B.O (DB) No.1792/14 & 1791/14

** Corrected as per SCM progress report

*** corrected as per data from O/o Director (T & SO)

In 2017-18 two 66kV substations upgraded to 110kV

TABLE 2

PLAN WISE ACHIEVEMENTS

Sl. No	Particulars	10th Plan				11th Plan					12th Plan					13 th Plan
		2nd Year	3rd Year	4th Year	5th Year	1st Year	2nd Year	3rd Year	4th Year	5th Year	1st Year	2nd Year	3rd Year	4th Year	5th Year	1st Year
		2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	Installed capacity (MW)	12.6	2.55	26.55	12.55	13.7	68.1	7	116.6	8.8	2.86	10.5	18.55	44.55	35.62	79.76
2	220 kV line (km)	4.26	12.20	46.50	0	1.01	0	18.26	0	0	26.87	0	36.2	0.68	0.00	55.10
3	110 kV line (km)	175.7	71.86	71.30	27.74	56.38	17.5	48.3	34.22	0.89	27.55	112.59	39.4	66.60	67.66*	79.76
4	66 kV line (km)	10.25	5.04	48.45	30.27	11.13	0	0	0	0	4.60	36	0	6.00	0.00	0.44
5	33 kV line (km)	106.07	171.77	92.71	131.05	105.44	169.57	205.42	63.6	81	64.90	71.44	42.29	66.79	75.77	41.08
6	11 kV line (km)	1226	956	1062	1823	1816	3048	3398	3659	2986	1579	1884	1807	2022	1844	1744.11
7	LT Lines (km)	4664	6073	7440.60	8229	8158	7563	7838	6762	4105	3066	3735	4636	3312	5357.00	3129.73
8	Step up transformer capacity (MVA)	17.15	0	40.5	0	0	38.2	6.6	122.2	11	6.60	3	44	32	8.00	8.00
9	No. of EHT substations including up gradation	7	6	7	4	6	2	11	6	3	3	6	2	11	3	11
10	No. of 33 kV substations	7	15	10	10	14	16	18	7	7	8	4	1	3	7	5
11	Step down transformer capacity (MVA)	732	605	799	108	469	385	1095	934	336	412	505	547.9	318	280.5	1355.2
12	No. of distribution transformers	1303	1882	1751	2124	2553	4109	5790	5805	4375	2643	3200	3547	2389	2271	2353
13	Distribution transformer capacity (MVA)	203.79	217.40	175.18	124.24	265.17	514.67	770.99	611.22	448.9	266.45	388.74	365.1	255.8	191.11	297.88
14	Service connections effected	391815	548307	548521	478745	482766	442895	447817	442889	413682	403421	415216	422238	381247	465531 **	353642
15	Connected load (MW)	515.65	423.36	573.69	558.49	912.31	2889.44	599.11	815.30	836.57	1005.09	1160.64	707.4	589.3	1059.80	1311.407
16	Street lights installed (Nos.)	34383	43432	64884	38760	49448	37641	61532	54768	15622	38675	40195	51621	57923	5665	4950
17	Pump sets connected (Nos.)	8520	13606	10969	12102	5285	9213	6132	8583	8618	11211	12160	11607	10026	12257	13028
	* corrected as per data received from O/o Director (T & SO) ;															
	*** corrected as per Orumanet															

TABLE 3
PARTICULARS OF GENERATORS

1	Name of Station	Pallivasal	Sengulam	Poringalkuthu	Neriamangalam	Panniar	Sholayar	Sabarigiri	Kuttiyadi	Idukki	Idamalayar	Kallada	Kanjikode wind farm
2	Make of units	Alstom Canada	Alstom Canada	English Electric UK	Alstom Switzerland	Alstom Canada	Rade Koncar Yugoslavia	VA Tech Hydro Austria	Fuji Japan	Canada Gen. Elec. Canada	BHEL	BHEL	Vestas Denmark
3	Prime mover	Horizontal Pelton	Horizontal Pelton	Vertical Francis	Vertical Francis	Vertical Francis	Vertical Francis	Vertical Pelton	Vertical Pelton	Vertical Pelton	Vertical Francis	Vertical Kaplan	Wind
4	Rated kVA	5,550/9,330	14,125	9,400	19,500	18,000	22,000	55,500/66,667	28,000	144,000	41,118	8,824	265
5	Rated voltage (kV)	11	11	11	11	11	11	11	11	11	11	11	0.4
6	Nominal output (MW)	5/7.5	12.8	8	17.55	16.2	18	55/60	25	130	37.5	15	0.225
7	Power factor	0.9	0.9	0.85	0.9	0.9	0.85	0.9	0.9	0.9	0.85	0.85	0.85
8	Speed (RPM)	750	600	600	600	600	750	500	600	375	333.3	428.5	1000
9	Synchronous reactance X_d (%)	117/113	114	71	95	71.7	90	102/123	85	94	105	124	-
10	Transient reactance $X'd$ (%)	30/25	26	18	20	15.8	27.6	33/29	29	26	29	21	-
11	Sub transient reactance $X''d$ (%)	24/22	22	15.5	13	12	20	28/25	20	15	23	12.5	-
12	Negative sequence reactance X_2 (%)	28/26	28	16	16	12.5	22	28/26	19.5	17.7	27	14.5	-
13	Zero sequence reactance X_0 (%)	9/10	10	3.4	6	5	13	14/13	10.5	5.7	9	6.5	-
14	Short circuit ratio	1	1	1.6	1.08	1.55	1.2	1.1/0.96	1.1	1.23	1.05	1.1	-
15	Grounding of Neutral	Resistance	PT	PT with resistance	PT	PT	PT	PT with resistance	PT	PT with resistance	Transformer	Transformer	
16	Rated field current (Amps)	798/813	801	414	430	447	675	711/688	900	1170	850	840	-

Table 3 continued

TABLE 3

PARTICULARS OF GENERATORS

1	Name of Station	Lower Meenmutty	Kuttiadi Tail Race	Peppara	Lower Periyar	BDPP	PLBE	KDPP	Kakkad	Mattupetty	KES	Malampuzha	Chembukadavu Stage I
2	Make of units	VA Tech Flovel / TD Power	Jyothi	Jyothi / Kirloskar	BHEL	GEC Alstom France	BHEL	ABB	BHEL	Jyothi	GE Canada	Jyothi	Zhejiang Linhai Co Ltd. China
3	Prime mover	S-type Full Kaplan	Horizontal Full Kaplan	S-type Full Kaplan	Vertical Francis	Diesel Engine	Vertical Francis	Diesel Engine	Vertical Francis	Horizontal Francis	Vertical Pelton	Horizontal Kaplan	Horizontal Francis
4	Rated kVA	1667/ 555.61	1,470	3,500	66,670	23,690	17,800	17,778	29,412	2,353	55,556	2,941	1,125
5	Rated voltage (kV)	3.3	3.3	11	11	11	11	11	11	11	11	11	6.3
6	Nominal output (MW)	1.5 / 0.5	1.25	3	60	21.32	16	16	25	2	50	2.5	0.9
7	Power factor	0.9	0.85	0.85	0.9	0.9	0.9	0.9	0.85	0.85	0.9	0.85	0.8
8	Speed (RPM)	750 / 500	600	500	333.3	428	600	500	428.6	750	500	750	750
9	Synchronous reactance X_d (%)	90 / 100	80	90	100	160	105	216	100	88.4	99	90	110
10	Transient reactance $X'd$ (%)	15 / 19	26.2	18	25	37	30	40	26.4		29	25	20.74
11	Sub transient reactance $X''d$ (%)	14 / 18	17.4	14	25	27.5	18	21	15	18.4	25	19	13.78
12	Negative sequence reactance X_2 (%)	11.7/15	17.1	15	18	29.5	24	21		10.25	27	20	14.35
13	Zero sequence reactance X_0 (%)	6/7	11.06	1	10	14.3	6	10.5		8.52	7	8	5.33
14	Short circuit ratio	1.31/1.3	1.1	1.1	1	0.75	1	0.531	1	1	1.1	1.11	1.095
15	Grounding of Neutral	Resistance	PT	Resistance	Transformer	Transformer	Transformer	Resistance	Transformer	Dial Earthing	Transformer	Transformer	Ungrounded
16	Rated field current (Amps)	192.34/140.51	240/95	4.8	1062	1085	750	405	950	265	1304	280	230

Table 3 continued

TABLE 3

PARTICULARS OF GENERATORS

1	Name of Station	Chembukadavu Stage II	Urumi Stage I	Urumi Stage II	Malankara	KAES	Ranni Perinad	Poozhithode	Peechi	Vilangad	Chimmony	Barapole	Adyanpara	Vellathooval	Perunthenaruvi
2	Make of units	Kumming Electric Machinery Work, China	Chonging Electric Machinery Federation Ltd, China	Hangzom Electric Equipment Work, China	Kossler Austria	BHEL	Crompton/ Kirlosker	TD Power System / Flovel	Kirloskar	TD Power System / Flovel	TD Power Systems Ltd	WEG Industries Pvt. Ltd.	Crompton Greaves	TD Power Systems Ltd	TD Power Systems Ltd
3	Prime mover	Horizontal Francis	Horizontal Francis	Horizontal Francis	Horizontal Kaplan	Vertical Pelton	Horizontal Kaplan	Horizontal Francis	Horizontal Kaplan	Horizontal Francis	Horizontal Francis	Horizontal Francis	Horizontal Francis	Axial Flow 'S' type Horizontal Kaplan	Axial Flow 'S' type Horizontal Kaplan
4	Rated kVA	1,562.5	1,562.5	1,000	4,118	55,560	2,222	1,778	1,388	2,778	2,778	5,556	1,667	2,000	3333
5	Rated voltage (kV)	6.3	6.3	6.3	11	11	3.3	3.3	3.3	3.3	3.3	11	3.3	3.3	6600
6	Nominal output (MW)	1.25	1.25	0.8	3.5	50	2	1.6	1.25	2.5	2.5	5	1.5	1.8	6
7	Power factor	0.8	0.8	0.8	0.85	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
8	Speed (RPM)	750	1000	1000	750	500	750	750	600	750	600	500	750	750	750
9	Synchronous reactance X_d (%)	113	127	112	93.55	108	100	89.3	85	100	125	122	115	125	125
10	Transient reactance $X'd$ (%)	26	19.1	17.35	27.22	20.6	22	22.06	26	23	35.6	28	21	26	20
11	Sub transient reactance $X''d$ (%)	19	13.6	13.03	17.22	11.38	15	17.6	19	16	22.4	19	13.4	20	16
12	Negative sequence reactance X_2 (%)	19	14.4	14.13	23.84	11	20	29	18	22	28	21	13.5	28	26
13	Zero sequence reactance X_0 (%)	5.9	4.7	4.1	8.41	8	15	19	12	16	20	4	14.2	19	19
14	Short circuit ratio	1	≥ 1.0	> 1.0	1	> 1	1	1.12	1	1.08	0.8	0.81	0.87	0.8	0.8
15	Grounding of Neutral	Ungrounded	Ungrounded	Ungrounded	Transformer	Transformer	Transformer	Transformer	Transformer	Neutral grounding resistor	Yes	Yes	Yes	NGT	NGT
16	Rated field current (Amps)	272	276	260	650	2916	140	204.6	184	178	486	291.6	95	161	292

TABLE 4

INSTALLED GENERATING CAPACITY (STATION WISE)

Sl. No.	Name of Station	Unit Capacity (MW)	Date of Commissioning		Station Capacity (MW)	Annual Generation Capability (MU)	Design PLF (%)
			Original date	After renovation			
	PART A - HYDEL						
1	Pallivasal	Unit #1 - 5 Unit #2 - 5 Unit #3 - 5 Unit #4 - 7.5 Unit #5 - 7.5 Unit #6 - 7.5	19.03.1940 02.02.1941 10.02.1942 01.05.1948 01.10.1949 07.03.1951	19.11.2001 17.11.2001 20.11.2001 26.08.2002 21.08.2002 19.08.2002	37.5000	284	86.67
2	Sengulam	Unit #1 - 12.8 Unit #2 - 12.8 Unit #3 - 12.8 Unit #4 - 12.8	01.05.1954 25.07.1954 11.11.1954 05.01.1955	30.11.2002 04.10.2002 05.12.2001 01.12.2001	51.2000	182	43.33
3	Neriamangalam	Unit #1 - 17.55 Unit #2 - 17.55 Unit #3 - 17.55	27.01.1961 09.04.1961 11.05.1963	20.10.2004 31.11.2005 29.09.2006	52.6500	237	60
4	Panniar	Unit #1 - 16.2 Unit #2 - 16.2	29.12.1963 26.01.1964	01.02.2003 23.11.2001	32.4000	158	60
5	Poringalkuthu	Unit #1 - 9 Unit #2 - 9 Unit #3 - 9 Unit #4 - 9	06.03.1957 13.01.1958 24.04.1959 06.02.1960	23.04.2014 15.08.2014 08.02.2015 29.05.2015	36.0000	170	61.25
6	Sholayar	Unit #1 - 18 Unit #2 - 18 Unit #3 - 18	09.05.1966 26.01.1968 14.05.1968		54.0000	233	38.15
7	Sabarigiri	Unit #1 - 55 Unit #2 - 55 Unit #3 - 55 Unit #4 - 60 Unit #5 - 55 Unit #6 - 60	18.04.1966 14.06.1966 29.12.1966 22.06.1967 09.09.1967 26.11.1967	08.11.2009 07.02.2009 17.03.2008 06.05.2014 05.05.2006 01.07.2005	340.0000	1338	51
8	Kuttiyadi	Unit #1 - 25 Unit #2 - 25 Unit #3 - 25	11.09.1972 01.11.1972 28.11.1972	NA	75.0000	268	40.80
9	Idukki	Unit #1 - 130 Unit #2 - 130 Unit #3 - 130 Unit #4 - 130 Unit #5 - 130 Unit #6 - 130	12.02.1976 07.06.1976 24.12.1976 04.11.1985 22.03.1986 09.09.1986	NA	780.0000	2398	35.92
10	Idamalayar	Unit #1 - 37.5 Unit #2 - 37.5	03.02.1987 28.02.1987	NA	75.0000	380	57.73
11	Kallada	Unit #1 - 7.5 Unit #2 - 7.5	05.09.1994 05.01.1994	NA	15.0000	65	40.33
12	Peppara	3	15.06.1996	NA	3.0000	11.50	43.33

Table 4 continued

Sl. No.	Name of Station	Unit Capacity (MW)	Date of Commissioning		Station Capacity (MW)	Annual Generation Capability (MU)	Design PLF (%)
			Original date	After renovation			
13	Lower Periyar	Unit #1 - 60 Unit #2 - 60 Unit #3 - 60	27.09.1997 22.10.1997 28.11.1997	NA	180.0000	493	31.28
14	Mattupetty	2	14.01.1998	NA	2.0000	6.40	35
15	Poringalkuthu Left Bank Extension	16	20.03.1999	NA	16.0000	74	61.25
16	Kakkad	Unit #1 - 25 Unit #2 - 25	13.10.1999	NA	50.0000	262	60
17	Kuttiyadi Extension	50	27.01.2001	NA	50.0000	75	17.12
18	Malampuzha	2.5	26.11.2001	NA	2.5000	5.60	25.60
19	Chembukadavu Stage I	Unit #1 - 0.9 Unit #2 - 0.9 Unit #3 - 0.9	19.08.2003 19.08.2003 19.08.2003	NA	2.7000	6.59	28
20	Chembukadavu Stage II	Unit #1 - 1.25 Unit #2 - 1.25 Unit #3 - 1.25	04.09.2003 04.09.2003 04.09.2003	NA	3.7500	9.03	28
21	Urumi Stage I	Unit #1 - 1.25 Unit #2 - 1.25 Unit #3 - 1.25	25.01.2004 25.01.2004 25.01.2004	NA	3.7500	9.72	30
22	Urumi Stage II	Unit #1 - 0.8 Unit #2 - 0.8 Unit #3 - 0.8	25.01.2004 25.01.2004 25.01.2004	NA	2.4000	6.28	30
23	Malankara	Unit #1 - 3.5 Unit #2 - 3.5 Unit #3 - 3.5	23.10.2005 23.10.2005 23.10.2005	NA	10.5000	65	70
24	Lower Meenmutty	Unit #1 - 1.5 Unit #2 - 1.5 Unit #3 - 0.5	25.03.2006 25.03.2006 25.03.2006	NA	3.5000	7.63	30
25	Neriamangalam Extension	25	27.05.2008	NA	25.0000	58.27	30
26	Kuttiadi Tailrace	Unit #1 - 1.25 Unit #2 - 1.25 Unit #3 - 1.25	19.06.2008 22.06.2008 23.10.2009	NA	3.7500	17.01	50
27	Kuttiadi Additional Extension	Unit #1 - 50 Unit #2 - 50	11.10.2010 30.10.2010	NA	100.0000	223	30
28	Poozhithode	Unit #1 - 1.6 Unit #2 - 1.6 Unit #3 - 1.6	25.06.2011 25.06.2011 25.06.2011	NA	4.8000	10.97	26
29	Ranni Perinad	Unit #1 - 2 Unit #2 - 2	16.02.2012 16.02.2012	NA	4.0000	16.73	48
30	Peechi	1.25	07.01.2013	NA	1.2500	3.21	30
31	Vilangad	Unit #1 - 2.5 Unit #2 - 2.5 Unit #3 - 2.5	26.07.2014	NA	7.5000	22.63	34

Table 4 continued

Sl. No.	Name of Station	Unit Capacity (MW)	Date of Commissioning		Station Capacity (MW)	Annual Generation Capability (MU)	Design PLF (%)
			Original date	After renovation			
32	Chimony	2.5	25.05.2015	NA	2.5000	6.7	30
33	Adyanpara	Unit #1 - 1.5 Unit #2 - 1.5 Unit #3 - 0.5	03.09.2015 03.09.2015 03.09.2015	NA	3.5000	9.01	30
	Poringalkuthu Micro	Unit#.011	1.2.2016	NA	0.0110	0.082	
34	Barapole	Unit #1 - 5 Unit #2 - 5 Unit #3 - 5	29.02.2016 29.02.2016 29.02.2016	NA	15.0000	36	27
35	Vellathooval	Unit #1 - 1.8 Unit #2 - 1.8	26.5.2016	NA	3.6000	12.7	40
36	Perunthenaruvi	Unit #1 - 3.0 Unit #2 - 3.0	23.10.2017	NA	6.0000	25.77	49
	Total				2055.7610	7186.83	
	PART B - WIND						
1	Kanjikode	9 x 0.225 MW	18.05.1995	NA	2.0250	4	20
	Total				2.0250	4	
	PART C - THERMAL						
1	Brahmaputra Diesel Power Plant (BDPP)	Unit #1 - 21.32 Unit #4 - 21.32 Unit #5 - 21.32	06.05.1997 17.12.1997 24.11.1998	NA	63.9600	363.60	68.50
2	Kozhikode Diesel Power Plant (KDPP)	Unit #2 - 16 Unit #3 - 16 Unit #5 - 16 Unit #6 - 16 Unit #7 - 16 Unit #8 - 16	11.09.1999 18.09.1999 30.09.1999 11.09.1999 25.10.1999 06.11.1999	NA	96.0000	672.00	80
	Total				159.9600	1035.60	148.50
3	Kayamkulam (NTPC)	Unit #1 - 116.6 Unit #2 - 116.6 Unit #3 - 126.6	02.11.1999 28.02.1999 11.12.1999	NA	359.5800	2158	68.50
	PART D - SOLAR						
1	Kanjikode Ss'	1.00	10.08.2015	NA	1.0000	1.63	18.00
2	Chaliyoor Colony, Agali	0.096	31.08.2015	NA	0.0960	0.15	18.00
3	Poringalkuthu Powerhouse	0.05	10.09.2015	NA	0.0500	0.06	14.00
4	Banasurasagar FL , Wayanad	0.01	21.01.2016	NA	0.0100	0.014	17.00
5	Meencut RT	0.03	30.06.2016	NA	0.025	0.047	18.00
6	Kothamangalam RT	0.13	31.07.2016	NA	0.125	0.205	18.00
7	Moolamattom RT	0.05	30.06.2016	NA	0.05	0.060	18.00
8	Thrissur RT	0.35	31-07-2016	NA	0.345	0.600	18.00
9	Kollengode Substation	1.00	08.08.2016	NA	1.0000	1.664	19.00
10	Padinjarethara Dam Top	0.44	29.08.2016	NA	0.4400	0.732	19.00

Table 4 continued

Sl. No.	Name of Station	Unit Capacity (MW)	Date of Commissioning		Station Capacity (MW)	Annual Generation Capability (MU)	Design PLF (%)
			Original date	After renovation			
11	Moozhiyar RT	0.13	31.08.2016	NA	0.1250	0.210	17.00
12	Edayar Substation premises	1.25	05.09.2016	NA	1.2500	2.080	19.00
13	Barapole Canal bank	1.00	7.11.2016	NA	1.0000	1.664	19.00
14	Barapole Canal top	3.00	17.11.2016	NA	3.0000	4.990	19.00
15	KDPP,Kozhikode	0.035	10.03.2017	NA	0.0350	0.06	18.00
16	Thalakulathoor	0.65	22.04.2017	NA	0.6500	0.990	17.50
17	Roof Top of Vidyuthi Bhavanam	0.03	17.05.2017	NA	0.0300	0.038	14.62
18	Manjeswaram GM	0.50	30.5.2017	NA	0.5000	0.780	16.00
19	Kuttipuram GM	0.50	28.11.2017	NA	0.5000	0.830	19.00
20	Roof Top KSEBL Distribution Wing Buildings (12 nos.)	0.46	21.12.2017	NA	0.4600	0.490	11.39
21	Pezhayikkappalli	1.25	15.01.2018	NA	1.2500	1.750	16.00
22	Pothencode SS	2.00	02.02.2018	NA	2.0000	2.800	16.00
23	Roof Top KSEBL Transmission Wing Buildings (12 nos.)	0.91	28.02.2018	NA	0.9100	0.890	12.82
	Total				14.85	21.85	379.51
	PART D - PRIVATE HYDRO						
1	Maniyar(Captive)	Unit #1 - 4 Unit #2 - 4 Unit #3 - 4	31.03.1994 30.12.1994 29.12.1994	NA	12.0000	36	30.83
2	Kuthungal(Captive)	Unit #1 - 7 Unit #2 - 7 Unit #3 - 7	01.06.2001 01.06.2001 01.06.2001	NA	21.0000	79	42.94
3	Ullunkal	Unit #1 - 3.5 Unit #2 - 3.5	13.11.2008 13.11.2008	NA	7.0000	32.22	53
4	Iruttukkanam	Unit #1 - 1.5 Unit #2 - 1.5 Unit #3 - 1.5	18.09.2010 19.09.2010 4.04.2012	NA	4.5000	15.86	50
5	Pampumkayam (Mankulam)	Unit #1 - 0.055 Unit #2 - 0.055	3.8.2012	NA	0.1100	0.29	-
6	Karikkayam*	Unit #1 - 3.5 Unit #2 - 3.5 Unit #3 - 3.5 Additional 4.5	29.08.2013 2.09.2013 28.09.2013 23.05.2017	NA	15.0000	62.42	-
7	Meenvallom	Unit #1 - 1.5 Unit #2 - 1.5	17.6.2014	NA	3.0000	8.37	-

Table 4 continued

Sl. No.	Name of Station	Unit Capacity (MW)	Date of Commissioning		Station Capacity (MW)	Annual Generation Capability (MU)	Design PLF (%)
			Original date	After renovation			
8	Kallar	0.05	31.3.2015	NA	0.0500	0.13	-
9	Pathankayam	Unit #1 - 3.5 Unit #2 - 3.5 Unit #3 - 1.0	14.7.2017	NA	8.0000	21.02	30.00
	Total				70.6600	255.31	
	PART E - PRIVATE THERMAL						
1	BSES	Unit #1 - 40.5 Unit #2 - 40.5 Unit #3 - 40.5 Unit #4 - 35.5	15.06.2001 15.06.2001 15.06.2001 01.03.2002	NA	157.0000	1099	80
2	Kasaragode Power Corporation*	Unit #1 - 7.3 Unit #2 - 7.3 Unit #3 - 7.3	01.01.2001	NA			
3	MPS Steel Castings Ltd* (Co-generation plant)	10	19.02.2009	NA		67.63	77.20
4	Phillips Carbon Black Ltd* (Co-generation plant)	52	31.03.2011	NA		70.08	-
	Total				157.0000	1236.71	
	PART F - PRIVATE WIND						
1	Ramakkalmedu	6 x 0.75 MW 12 x 0.75 MW 1 x 0.75 MW	31.03.2008 31.03.2009 31.03.2010	NA	14.2500	32.46	26
2	Agali	7 x 0.6 MW 16 x 0.6 MW 2 x 0.6 MW 6 x 0.6 MW	31.03.2008 31.03.2010 29.09.2010 31.10.2010	NA	18.6000	37.47	23
3	Ahalia Alternate Energy Pvt Ltd, Kanjikode	1 x 2.1 MW 3 x 2.1 MW	22.02.2016 23.03.2016	NA	8.4000	16.19	22
4	INOX	8x2 MW		NA	16.0000		
5	Kosamattom	1X1 MW		NA	1.0000		
	Total				58.2500	86.12	
	PART G - PRIVATE SOLAR						
1	Cochin International Airport Ltd. (Prosumer)	1MW 12MW 2.4 MW 5.125 MW 4.665 MW 2.671 MW 1.66 MW	30.11.13 18.08.15 23.5.16 11.3.17 27.11.2017 1.1.2018 24.3.2018	NA	29.0270	45.81	18 #
2	Solar park, Ambalathara	4 MW 16 MW 8 MW 8 MW 14 MW	14.12.2016 04.01.2017 07.02.2017 30.03.2017 13-09-2017	NA	50.0000	79.00	18 #

Table 4 continued

Sl. No.	Name of Station	Unit Capacity (MW)	Date of Commissioning		Station Capacity (MW)	Annual Generation Capability (MU)	Design PLF (%)
			Original date	After renovation			
3	Anert,Kuzhalmandam	2MW	9.12.2016		2.0000	3.15	18 #
4	Hindalco (Prosumer)	1MW	31.03.2016		1.0000	1.58	18 #
5	Grid Connected Prosumer	15.45MW			15.45	22.79	17 #
	Total				97.48	152.33	
	GRAND TOTAL				2975.56	12136.74	

* Note: BSES IPP Thermal with four units of total 157 MW Unit included as Govt decision on buy out is pending .KPCL 21.90 MW, Philips Carbon Black Limited 10 MW & MP steel 10MW not included as respective PPA is terminated

Karikkayam- On COD 10.5 MW was only allowed due to availability of water .Additional 4.5MW allowed for Karikkayam due to increased height of weir

For solar plants, value mentioned against %PLF is % design CUF

TABLE 6

GENERATING CAPACITY, MAXIMUM DEMAND AND LOAD FACTOR

Sl.No.	Year	Installed Capacity (MW)	Energy Input to System excl. aux. cons. & ext. losses (Gen. + Purchase - Export) (MU)	Maximum Demand (MW)	Load Factor (%)
1	1987-88	1477	5063.31	1127.3	51.27
2	1988-89	1477	5738.04	1201	54.54
3	1989-90	1477	6105.16	1298	53.69
4	1990-91	1477	6794.10	1273.7	60.89
5	1991-92	1477	7153.62	1308.8	62.39
6	1992-93	1477	7219.79	1403	58.74
7	1993-94	1484	7809.17	1459.6	61.08
8	1994-95	1503.53	8794.39	1614.6	62.18
9	1995-96	1505.53	9274.07	1651.4	64.11
10	1996-97	1508.53	8771.25	1572	63.69
11	1997-98	1775.81	9394.67	1785.8	60.05
12	1998-99	2046.33	11164.61	1896.2	67.21
13	1999-00	2350.71	11880.98	2177	62.30
14	2000-01	2422.61	12464.00	2316	61.43
15	2001-02	2605.91	12518.31	2333	61.25
16	2002-03	2608.71	12391.13	2347	60.27
17	2003-04	2621.31	12280.87	2426	57.79
18	2004-05	2623.86	12504.84	2420	58.99
19	2005-06	2650.41	13331.03	2578	59.03
20	2006-07	2662.96	14427.96	2742	60.07
21	2007-08	2676.66	15065.15	2745	62.65
22	2008-09	2744.76	15293.41	2765	63.14
23	2009-10	2752.96	16982.29	2998	64.66
24	2010-11	2869.56	17340.28	3119	63.47
25	2011-12	2878.36	18938.81	3348	64.57
26	2012-13	2881.22	19877.21	3268	69.43
27	2013-14	2891.72	20542.49	3588	65.36
28	2014-15	2835.63 *	21573.16	3602	68.37
29	2015-16	2880.18	22727.34	3860	67.21
30	2016-17	2915.80	23763.57	4004	67.75
31	2017-18	2975.56	24340.79	3884	71.54

* Unit 2 & 3 of BDPP & Unit 1 & 4 of KDPP were de-commissioned as per B.O (DB) No.1792/14 & 1791/14

TABLE -7

RESERVOIR DETAILS AND DATA FOR POWER GENERATION

Name of Reservoir	Full reservoir level (M)	Effective storage at FRL (MCM)	MDDL (M)	Dead storage (MCM)	Name of Power station	Installed Capacity (MW)	Generation potential at FRL (MU)	Average net effective head (m)	Water required for 1 MU generation (MCM)	Full load discharge of one machine (m ³ /sec)
Kuttiyadi	758.04	33.99	737.62	4.40	Kuttiyadi	3 x 25	41.46		0.71	5.69
					KES	1 x 50			0.70	8.60
Thariode	775.60	201.00	754.86	23.75	KAES	2 x 50	245.22			
Sholayar	811.68	149.23	779.37	4.25	Sholayar	3 x 18	152.21	300	1.50	7.50
Poringalkuthu	423.98	30.30	405.69	1.70	Poringalkuthu	4 x 8	10.73	170	2.83	6.29
					PLBE	1 x 16			2.57	11.42
Idamalayar	169.00	1017.80	115.00	72.00	Idamalayar	2 x 37.5	254.45	110	4.00	41.67
Kundala	1758.70	7.80	1735.84	0.02	Pallivasal	3 x 5	22.74	570	0.71	0.98
Mattupetty	1599.59	55.22	1554.48	0.13		3 x 7.5	161.23		0.79	1.65
Sengulam	847.64	1.61	844.86		Sengulam	4 x 12.8	0.71	341	1.27	4.23
Anayirankal	1207.01	49.00	1188.11	0.85	Panniyar	2 x 16.2	65.62	220	2.13	8.83
Ponmudi	707.75	47.40	676.66	4.15			63.52			
Neriamangalam	456.59	5.56	445.91	1.31	Neriamangalam	3 x 17.55	4.83	180	2.44	10.12
					NES	1 x 25				
Idukki	732.43	1459.70	694.94	536.86	Idukki	6 x 130	2147.88	660	0.68	24.50
Pamba	986.33	31.10	963.16	8.10	Sabarigiri	4x55+2x60	59.46	750	0.62	8.61
Kakki	981.46	446.50	908.30	7.60			856.47			
Kallada	115.82	488.53	24.38	16.14	Kallada	2 x 7.5	50.10	43	9.75	20.32
Peppara	110.50	67.50	87.50	2.50	Peppara	1 x 3	3.45	25	19.55	16.30
Lower Periyar	253.00	4.55	237.74	0.80	Lower Periyar	3 x 60	2.09	203.63	2.17	36.66
Kakkad	192.63	1.16	181.36	0.34	Kakkad	2 x 25	0.36	132.6	3.25	22.58
Malampuzha	115.09	236.70	99.50	10.20	Malampuzha	1 x 2.5	5.60	14.4	28.24	23.14
Chembukadavu I	No Reservoir	NA	NA	NA	Chembukadavu I	3 x 0.9	NA	35.5	12.22	3.06
Chembukadavu II					Chembukadavu II	3 x 1.25		55	7.75	2.69
Urumi I	No Reservoir	NA	NA	NA	Urumi I	3 x 1.25	NA	96.5	4.47	1.55
Urumi II					Urumi II	3 x 0.8		55	7.98	1.77
Lower Meenmutty	62.75	NA	61.3	NA	Lower Meenmutty	2x1.5+1x0.5		13	35.90	14.98
Malankara	42	18.8	36	18.5	Malankara SHEP	3 x 3.5	0.53	12.2	35.50	34.50
Ranni Perinad	No Reservoir	NA	NA	NA	Ranni Perinad	2 x 2	NA	6.3		78.34
Poozhithode	No Reservoir	NA	NA	NA	Poozhithode	3 x 1.6	NA	72	5.67	91.87
Peechi	79.25		69.7	0.62	Peechi	1 x 1.25	3.21	22.75		6.31
Vilangad	No Reservoir	NA	NA	NA	Vilangad	3 x 2.5	22.63	99	4.14	2.875
Chimmony	79.4	172.82	56.5	2.54	Chimmony	1 x 2.5	6.7	45.46	12.86	8.93
Barapole	No Reservoir	NA	NA	NA	Barapole	3 x 5	36	50	8.47	11.30
Adyanpara	No Reservoir	NA	NA	NA	Adyanpara	2 x 1.5 + 0.5	9.01	94	4.4023	1.83
PLBE tail race	No Reservoir	NA	NA	NA	Poringal kuttu Micro	1 x 0.11	0.1	1		
Vellathooval	No Reservoir	NA	NA	NA	Vellathooval	2 X 1.8	12.17	12	30.8	15.65
Perunthenaruvi	51	0.6	48	0.4	Perunthenaruvi	2 x 3	0.025	17.33	24	20.98

TABLE 8

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS FOR 2007-08

(in Million Units)

	Name of Station / Source	04/07	05/07	06/07	07/07	08/07	09/07	10/07	11/07	12/07	01/08	02/08	03/08	Total
A	Hydro													
1	Idukki	298.57	321.55	206.44	79.52	133.11	241.38	499.72	373.85	285.04	265.01	330.67	281.19	3316.02
2	Sabarigiri	149.60	127.16	72.58	81.78	150.78	141.72	155.01	148.61	140.73	104.68	101.58	167.13	1541.35
3	Idamalayar	21.88	29.17	30.53	46.22	53.58	52.61	54.25	51.99	51.40	36.16	23.47	23.38	474.63
4	Kuttiadi + KES	42.71	15.79	29.67	84.14	85.13	82.09	76.41	58.08	50.83	52.69	34.83	32.36	644.72
5	Poringalkuthu	7.10	6.52	12.31	23.87	23.68	23.01	22.33	16.34	10.02	6.02	7.99	3.39	162.59
6	Poringalkuthu LBE	7.67	0.91	5.20	11.84	10.97	10.49	0.00	0.00	0.33	1.58	5.02	5.93	59.94
7	Sholayar	29.32	14.46	9.75	7.18	38.21	36.79	35.40	14.85	14.90	12.67	22.12	19.02	254.68
8	Pallivasal	15.82	19.98	17.91	21.45	22.15	21.51	19.52	21.61	17.55	16.14	16.00	19.41	229.04
9	Sengulam	9.34	9.70	12.15	18.91	18.66	16.75	18.27	17.37	15.53	7.27	9.32	11.51	164.77
10	Panniar	9.16	9.04	3.96	23.33	23.75	12.91	0.00	0.00	0.00	0.00	0.00	0.00	82.15
11	Neriamangalam	16.22	16.17	21.75	38.80	38.90	37.51	38.45	35.11	29.84	11.69	12.84	15.78	313.06
12	Lower Periyar	16.96	16.65	42.95	125.49	109.73	112.80	97.53	72.78	35.83	14.24	15.39	17.61	677.97
13	Kakkad	21.51	20.15	14.54	19.98	24.14	24.32	24.11	22.15	20.23	16.52	16.28	22.83	246.75
14	Kallada	4.07	0.74	0.00	3.32	8.98	10.02	9.51	9.63	5.21	5.24	8.64	7.66	73.03
15	Peppara	0.08	0.25	0.25	1.34	1.08	1.44	1.38	1.18	0.38	0.33	0.31	0.16	8.18
16	Malankara	3.89	4.01	3.79	3.86	3.33	3.14	3.31	3.34	3.81	3.49	3.91	3.81	43.70
17	Madupetty	0.87	0.65	0.37	0.00	0.18	0.90	0.82	0.72	0.69	0.55	0.62	0.55	6.91
18	Chembukadavu	0.00	0.00	0.51	2.82	1.95	2.81	1.08	0.12	0.00	0.00	0.00	0.00	9.28
19	Urumi	0.00	0.00	1.66	3.52	2.95	3.18	1.86	0.60	0.00	0.00	0.00	0.00	13.77
20	Malampuzha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Lower Meenmutty	0.07	0.08	0.59	0.87	0.49	0.89	0.88	0.62	0.18	0.06	0.07	0.12	4.92
	Sub Total Hydro	654.83	612.95	486.89	598.25	751.76	836.27	1059.85	848.95	682.49	554.32	609.05	631.85	8327.45
	Auxiliary consumption	2.56	2.70	3.37	2.52	3.04	2.82	3.33	3.02	2.95	3.13	2.51	2.72	34.67
	Net Hydro Generation	652.27	610.25	483.52	595.73	748.72	833.45	1056.52	845.93	679.54	551.19	606.54	629.13	8292.78
B	Wind	0.07	0.27	0.26	0.22	0.22	0.17	0.10	0.07	0.21	0.19	0.07	0.11	1.96

Table 8 continued

	Name of Station / Source	04/07	05/07	06/07	07/07	08/07	09/07	10/07	11/07	12/07	01/08	02/08	03/08	Total
C	Thermal													
1	BDPP	4.90	12.20	10.06	3.61	0.79	3.47	11.26	8.20	6.85	8.80	7.53	18.11	95.76
2	KDPP	23.94	31.52	18.95	7.97	7.37	5.03	17.64	12.84	26.62	36.51	50.62	39.38	278.38
	Sub Total Thermal	28.85	43.71	29.01	11.59	8.16	8.50	28.91	21.03	33.46	45.30	58.14	57.48	374.14
	Auxiliary consumption	0.85	1.24	0.82	0.47	0.41	0.48	0.92	0.79	0.94	1.16	1.29	1.43	10.80
	Net Thermal Generation	28.00	42.47	28.19	11.12	7.75	8.02	27.99	20.24	32.52	44.14	56.85	56.05	363.34
D	Total Internal Generation (excl. aux. cons.)	680.34	652.99	511.96	607.06	756.69	841.64	1084.60	866.24	712.28	595.52	663.47	685.29	8658.08
E	Central Generating Stations													
1	NTPC-RSTPS	198.21	211.86	197.76	167.92	166.01	151.44	165.66	168.49	202.25	212.89	203.40	208.79	2254.68
2	Talcher Stage-II	257.49	297.44	297.44	261.51	243.74	269.88	291.81	294.84	310.02	307.03	289.08	298.62	3418.95
3	NLC-Stage-I	39.69	41.82	38.80	37.68	30.21	31.35	30.99	13.63	30.00	40.24	33.92	33.45	401.78
4	NLC-Stage-II	58.02	54.34	55.59	50.14	54.21	32.62	36.07	39.99	34.16	55.29	49.91	47.91	568.25
5	NLC Expansion	35.93	46.51	43.61	39.90	42.69	33.36	24.30	40.12	27.65	43.36	43.95	46.20	467.58
6	MAPS	10.30	8.29	6.45	3.30	2.13	3.23	4.72	7.23	7.50	7.45	6.87	7.13	74.60
7	KAIGA	18.78	24.40	15.45	17.90	25.11	9.87	15.23	14.89	15.34	14.94	6.78	10.28	188.97
	Sub Total CGS	618.42	684.66	655.10	578.35	564.10	531.75	568.78	579.19	626.92	681.20	633.91	652.38	7374.80
F	UI Import	15.93	38.25	36.42	-22.30	77.94	-79.97	-235.00	-97.28	41.59	39.99	17.08	25.44	-141.89
G	IPPs													
1	RGCCPP	0.00	0.00	29.81	29.88	0.10	0.00	30.72	23.48	85.97	89.18	100.64	63.50	453.28
2	BSES	84.09	15.47	47.45	0.15	0.01	-0.03	19.50	-0.02	4.49	68.83	57.62	55.59	353.15
3	KPCL	9.81	8.56	1.81	1.31	1.30	1.44	3.09	1.15	1.62	2.02	1.47	1.70	35.28
	Sub Total IPPs	93.90	24.03	79.07	31.34	1.41	1.41	53.31	24.61	92.08	160.03	159.73	120.79	841.71
H	Total power purchase (E+F+G)	728.26	746.94	770.60	587.40	643.46	453.20	387.10	506.53	760.60	881.22	810.72	798.61	8074.62
I	External PGCIL loss	26.03	28.82	27.57	24.34	23.74	22.38	23.94	24.38	26.39	28.67	26.68	27.46	310.40
J	Net power purchase at KSEB bus	702.23	718.12	743.02	563.05	619.71	430.82	363.16	482.15	734.21	852.55	784.04	771.15	7764.22
K	Total Generation & Power Purchase (D+J)	1382.56	1371.11	1254.99	1170.12	1376.40	1272.46	1447.76	1348.39	1446.49	1448.07	1447.51	1456.45	16422.30
L	Auxiliary consumption in substations	0.87	0.87	0.79	0.74	0.87	0.81	0.92	0.85	0.92	0.92	0.92	0.92	10.39
M	Net energy available for sale	1381.69	1370.25	1254.19	1169.38	1375.53	1271.65	1446.85	1347.53	1445.57	1447.16	1446.59	1455.53	16411.91
N	Energy sale outside the state	120.10	39.97	98.98	0.00	152.66	61.79	192.04	110.67	142.09	125.82	169.99	132.65	1346.76
O	Net energy available for sale in the State	1261.59	1330.28	1155.21	1169.38	1222.87	1209.86	1254.81	1236.86	1303.48	1321.34	1276.60	1322.88	15065.15

TABLE 9

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS FOR 2008-09

(in Million Units)

	Name of Station / Source	04/08	05/08	06/08	07/08	08/08	09/08	10/08	11/08	12/08	01/09	02/09	03/09	Total
A	Hydro													
1	Idukki	346.75	347.66	242.20	190.05	110.78	121.54	119.27	125.29	123.62	97.81	121.47	151.11	2097.51
2	Sabarigiri	160.25	81.92	0.06	18.98	74.74	77.16	83.31	78.49	82.79	82.09	103.37	119.51	962.67
3	Idamalayar	33.57	36.40	33.22	17.98	14.45	28.06	33.59	22.47	9.61	22.76	26.32	15.35	293.79
4	Kuttiadi + KES	43.51	40.76	53.19	67.86	78.69	56.18	58.91	40.70	38.74	30.14	37.81	48.07	594.55
5	Poringalkuthu	5.02	6.50	7.43	17.52	22.53	17.63	19.28	9.73	6.15	3.58	6.24	5.82	127.44
6	Poringalkuthu LBE	7.83	8.70	5.79	11.62	11.48	11.27	11.06	8.91	8.34	8.25	7.50	8.89	109.62
7	Sholayar	23.41	20.68	1.83	4.81	2.85	26.62	28.06	12.83	19.08	18.06	29.07	26.61	213.89
8	Pallivasal	20.80	17.08	13.45	13.56	13.13	15.32	15.68	18.42	18.67	16.85	16.28	18.70	197.96
9	Sengulam	12.34	10.67	12.23	13.68	18.57	17.51	15.96	13.46	10.76	9.79	8.72	9.97	153.66
10	Panniar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Neriamangalam + NES	24.01	30.19	17.99	27.78	47.37	43.84	40.89	27.63	19.20	14.08	10.54	15.74	319.26
12	Lower Periyar	26.12	29.07	26.75	55.26	100.19	87.50	58.31	36.02	21.80	15.99	11.14	15.20	483.36
13	Kakkad	22.29	11.75	2.30	9.41	15.75	15.26	14.49	12.57	12.54	13.12	15.35	17.96	162.80
14	Kallada	5.32	3.81	2.40	0.91	1.23	1.26	3.88	7.71	2.82	4.50	5.54	6.97	46.34
15	Peppara	0.02	0.12	0.00	0.10	0.86	1.07	1.11	0.75	0.67	0.28	0.28	0.27	5.52
16	Malankara	3.58	4.42	3.93	4.19	3.43	3.20	2.29	1.84	1.74	1.16	1.51	2.18	33.49
17	Madupetty	0.98	0.82	0.30	0.04	0.00	0.00	0.60	0.46	0.50	0.65	0.58	0.81	5.74
18	Chembukadavu	0.00	0.00	1.82	2.98	2.58	2.06	0.56	0.05	0.00	0.00	0.00	0.00	10.03
19	Urumi	0.00	0.00	2.85	2.98	2.47	2.18	1.03	0.24	0.04	0.00	0.00	0.00	11.79
20	Malampuzha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Lower Meenmutty	0.10	0.10	0.20	0.59	0.53	0.93	0.60	0.60	0.34	0.07	0.02	0.03	4.11
22	Kuttiady Tailrace	0.00	0.00	0.00	0.38	0.87	0.98	0.91	0.60	0.63	0.42	0.50	0.47	5.76
	Sub Total Hydro	735.89	650.66	427.95	460.67	522.48	529.56	509.79	418.76	378.03	339.59	402.23	463.67	5839.28
	Auxiliary consumption	3.39	3.00	1.97	2.12	2.41	2.44	2.35	1.93	1.74	1.56	1.85	2.14	26.90
	Net Hydro Generation	732.50	647.66	425.98	458.55	520.07	527.12	507.45	416.83	376.29	338.02	400.38	461.54	5812.38
B	Wind	0.11	0.30	0.19	0.22	0.22	0.16	0.05	0.03	0.08	0.10	0.05	0.17	1.68
C	Thermal													
1	BDPP	26.77	24.94	23.29	16.44	12.21	11.67	16.35	15.39	19.15	11.31	12.08	26.91	216.49
2	KDPP	26.40	38.46	27.61	34.35	36.72	30.89	39.09	42.11	40.91	38.03	36.58	45.89	437.04

Table 9 continued

	Name of Station / Source	04/08	05/08	06/08	07/08	08/08	09/08	10/08	11/08	12/08	01/09	02/09	03/09	Total
	Sub Total Thermal	53.16	63.40	50.90	50.80	48.93	42.57	55.44	57.50	60.06	49.33	48.66	72.80	653.54
	Auxiliary consumption	1.40	1.67	1.34	1.34	1.29	1.12	1.46	1.51	1.58	1.30	1.28	1.91	17.19
	Net Thermal Generation	51.76	61.73	49.56	49.46	47.64	41.45	53.98	55.99	58.48	48.03	47.38	70.88	636.35
D	Total Internal Generation (excl. aux. cons.)	784.38	709.70	475.72	508.23	567.93	568.72	561.47	472.84	434.85	386.16	447.82	532.59	6450.41
E	Central Generating Stations													
1	NTPC-RSTPS	200.32	192.62	186.70	184.39	193.86	197.84	185.63	195.85	218.57	216.46	183.79	219.64	2375.67
2	Talcher Stage-II	296.03	268.10	221.40	224.05	187.56	214.87	237.18	183.39	267.33	291.88	279.84	310.27	2981.90
3	NLC-Stage-I	26.32	32.14	17.99	35.03	26.20	20.46	22.79	17.12	18.01	36.82	36.69	40.72	330.29
4	NLC-Stage-II	38.35	47.72	33.45	34.94	30.43	36.79	47.42	35.13	32.97	56.83	51.76	57.23	503.02
5	NLC Expansion	45.42	43.58	37.17	46.77	46.34	35.66	23.86	28.42	22.57	45.12	42.43	47.15	464.49
6	MAPS	5.37	4.24	5.51	6.41	1.36	6.34	7.42	6.18	4.39	3.40	3.81	8.50	62.93
7	KAIGA	23.28	15.19	26.01	22.89	10.37	13.91	17.25	19.76	15.27	13.97	6.50	17.32	201.72
	Sub Total CGS	635.09	603.59	528.23	554.48	496.12	525.87	541.55	485.85	579.11	664.48	604.82	700.83	6920.02
F	UI Import	-54.57	4.33	142.02	57.59	76.36	90.39	31.12	19.67	20.18	-3.67	-29.64	-35.75	318.03
G	IPPs													
1	RGCCPP	51.69	101.75	65.98	90.68	21.79	0.00	102.57	106.31	68.06	117.59	106.44	116.62	949.48
2	BSES	61.18	95.83	70.52	20.52	-0.04	50.30	59.64	97.07	87.19	98.73	101.04	105.28	847.26
3	KPCL	0.26	8.23	12.52	10.05	6.72	5.22	8.38	11.28	9.63	7.98	8.38	8.63	97.28
4	Ramakkalmedu Wind	0.19	1.49	3.81	3.43	2.90	2.55	0.76	0.67	1.89	2.42	1.12	0.48	21.72
5	Agali Wind	0.22	0.06	1.40	1.41	1.69	2.95	0.64	0.26	0.38	0.60	0.40	0.28	10.28
6	Ullunkal									0.72	0.59	0.72	1.10	3.12
	Sub Total IPPs	113.54	207.36	154.24	126.10	33.06	61.02	172.00	215.59	167.86	227.91	218.10	232.39	1929.14
H	Power purchase through Traders (KSEB bus)	0.00	6.75	0.00	43.10	57.25	46.33	53.06	83.60	107.73	30.01	9.51	24.34	461.68
I	Total power purchase (E+F+G+H)	694.06	822.03	824.49	781.27	662.79	723.61	797.73	804.71	874.88	918.73	802.79	921.81	9628.87
J	External PGCIL loss	28.69	27.26	23.86	25.05	22.41	23.75	24.46	21.95	26.16	30.01	27.32	31.66	312.57
K	Net power purchase at KSEB bus	665.37	794.76	800.63	756.22	640.38	699.85	773.27	782.76	848.73	888.71	775.47	890.15	9316.30
L	Total Generation & Purchase (D+K)	1449.75	1504.46	1276.35	1264.45	1208.31	1268.57	1334.74	1255.60	1283.58	1274.87	1223.28	1422.74	15766.71
M	Auxiliary consumption in substations	0.92	0.95	0.81	0.80	0.76	0.80	0.84	0.79	0.81	0.81	0.77	0.90	9.97
N	Net energy available for sale	1448.83	1503.51	1275.54	1263.65	1207.55	1267.77	1333.90	1254.81	1282.77	1274.06	1222.51	1421.84	15756.74
O	Energy sale outside the state	145.60	101.94	25.57	36.79	1.55	66.46	75.12	10.30	0.00	0.00	0.00	0.00	463.33
P	Net energy available for sale in the State	1303.23	1401.57	1249.97	1226.86	1206.00	1201.31	1258.78	1244.51	1282.77	1274.06	1222.51	1421.84	15293.41

TABLE 10

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS FOR 2009-10

(in Million Units)

	Name of Station / Source	04/09	05/09	06/09	07/09	08/09	09/09	10/09	11/09	12/09	01/10	02/10	03/10	Total
A	Hydro													
1	Idukki	202.98	202.95	160.43	103.49	114.66	105.85	134.26	95.92	157.53	200.61	247.77	309.22	2035.64
2	Sabarigiri	98.87	95.03	98.83	102.99	121.97	96.74	121.74	176.38	131.99	103.63	86.73	167.50	1402.39
3	Idamalayar	20.57	27.11	19.25	5.26	15.53	41.45	46.83	28.16	23.33	28.74	36.45	41.26	333.93
4	Kuttiadi + KES	40.10	41.45	23.74	72.65	75.44	74.50	72.30	56.77	55.54	43.71	33.10	45.22	634.52
5	Poringalkuthu	12.55	7.69	7.62	24.35	24.29	23.34	21.67	16.43	8.55	3.74	3.00	2.74	155.96
6	Poringalkuthu LBE	0.06	6.48	7.12	11.66	11.81	11.39	11.31	10.41	10.09	9.64	9.65	9.20	108.82
7	Sholayar	24.58	25.92	12.96	0.90	1.94	27.78	24.48	20.36	22.99	19.20	22.65	26.00	229.76
8	Pallivasal	18.51	19.69	19.70	21.55	21.72	21.39	22.09	21.13	18.90	18.42	17.92	19.15	240.17
9	Sengulam	9.74	10.10	11.47	19.69	17.84	18.27	18.25	16.27	7.48	9.46	9.25	9.96	157.79
10	Panniar	0.00	0.00	0.00	4.22	17.82	20.48	23.09	20.40	18.62	9.38	6.41	12.38	132.80
11	Neriamangalam + NES	12.23	14.98	13.83	54.00	39.44	52.37	48.66	36.97	23.85	14.45	10.65	14.73	336.16
12	Lower Periyar	12.78	14.45	20.43	105.81	68.33	92.18	77.63	56.84	30.47	17.74	12.16	16.42	525.26
13	Kakkad	15.11	15.02	15.94	21.52	21.60	18.93	20.68	24.41	18.77	16.12	13.45	22.61	224.16
14	Kallada	7.60	4.40	0.79	1.18	1.37	1.61	7.85	9.27	2.73	8.34	7.11	8.16	60.42
15	Peppara	0.26	0.18	0.12	0.30	0.71	1.16	0.88	1.12	0.50	0.24	0.27	0.30	6.05
16	Malankara	2.90	2.40	2.09	2.18	2.43	2.96	2.93	1.94	2.64	3.03	3.25	3.70	32.46
17	Madupetty	0.75	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.72	1.91
18	Chembukadavu	0.00	0.00	1.01	2.46	1.88	1.84	0.88	0.40	0.00	0.00	0.00	0.00	8.46
19	Urumi	0.00	0.00	1.56	3.44	2.44	2.01	1.16	0.85	0.11	0.00	0.00	0.00	11.58
20	Malampuzha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Lower Meenmutty	0.02	0.11	0.26	0.28	0.50	0.75	0.63	0.51	0.23	0.10	0.02	0.01	3.43
22	Kuttiady Tailrace	0.39	0.40	0.18	0.00	0.00	0.00	0.84	0.79	0.46	0.00	0.68	0.85	4.62
	Sub Total Hydro	480.01	488.53	417.32	557.91	561.73	615.01	658.17	595.33	534.78	506.56	520.80	710.12	6646.27
	Auxiliary consumption	1.56	1.58	1.35	1.81	1.82	2.00	2.14	1.93	1.73	1.64	1.69	2.30	21.56
	Net Hydro Generation	478.45	486.95	415.97	556.10	559.91	613.01	656.04	593.40	533.05	504.91	519.11	707.81	6624.71
B	Wind	0.13	0.25	0.18	0.23	0.20	0.18	0.10	0.09	0.15	0.12	0.09	0.11	1.84
C	Thermal													
1	BDPP	28.62	26.34	10.27	15.43	6.98	14.91	19.84	17.17	15.66	17.38	21.99	38.26	232.83
2	KDPP	41.06	31.46	22.56	15.69	34.32	19.72	24.18	19.48	28.70	36.50	38.10	47.69	359.44
	Sub Total Thermal	69.68	57.79	32.83	31.12	41.30	34.63	44.02	36.65	44.36	53.88	60.09	85.94	592.27

Table 10 continued

	Name of Station / Source	04/09	05/09	06/09	07/09	08/09	09/09	10/09	11/09	12/09	01/10	02/10	03/10	Total
	Auxiliary consumption	2.04	1.69	0.96	0.91	1.21	1.02	1.29	1.07	1.30	1.58	1.76	2.52	17.37
	Net Thermal Generation	67.63	56.10	31.86	30.20	40.09	33.61	42.73	35.57	43.06	52.30	58.32	83.42	574.90
D	Total Internal Generation (excl. aux. cons.)	546.22	543.30	448.01	586.54	600.20	646.81	698.87	629.06	576.26	557.33	577.52	791.34	7201.45
E	Central Generating Stations													
1	NTPC-RSTPS	209.36	210.79	187.25	170.18	180.45	174.51	214.87	208.47	215.08	218.53	194.31	218.44	2402.24
2	Eastern Region												0.66	0.66
3	Talcher Stage-II	297.02	275.10	266.07	213.04	227.25	236.86	253.32	252.73	292.04	303.27	268.09	292.84	3177.63
4	NLC-Stage-I	38.55	38.96	38.93	27.48	25.81	37.42	31.37	21.85	26.86	29.00	33.43	34.20	383.86
5	NLC-Stage-II	50.06	56.12	57.95	42.59	44.49	49.37	53.25	36.37	48.40	57.39	49.05	51.58	596.62
6	NLC Expansion	45.22	43.07	41.41	44.87	35.57	38.77	23.40	16.95	26.06	35.61	32.52	18.32	401.77
7	MAPS	8.13	8.41	7.21	8.57	8.54	8.11	6.78	3.80	5.35	7.81	7.10	7.91	87.72
8	KAIGA	20.93	20.39	19.98	21.83	22.26	22.05	19.40	14.62	18.40	19.26	16.26	20.65	236.03
	Sub Total CGS	669.27	652.84	618.80	528.56	544.37	567.09	602.39	554.79	632.19	670.87	600.76	644.60	7286.53
F	UI Import	12.10	81.59	16.94	7.23	10.60	56.87	6.66	40.27	71.12	44.52	24.25	-0.76	371.39
G	IPPs													
1	RGCCPP	110.76	100.28	114.00	88.64	104.98	43.63	71.15	81.75	103.10	122.37	95.64	117.59	1153.89
2	BSES	97.40	98.25	97.91	71.33	69.77	5.42	1.05	13.75	19.87	8.35	20.20	73.40	576.70
3	KPCL	7.14	8.31	7.93	4.33	8.48	3.84	5.78	4.26	4.95	7.05	5.42	7.57	75.06
4	Ramakkalmedu Wind	0.93	2.67	4.93	6.79	4.21	3.92	2.20	1.47	1.83	1.63	0.99	0.97	32.54
5	Agali Wind	1.87	4.59	6.18	6.24	5.16	5.21	2.27	0.95	0.55	0.41	0.21	1.44	35.07
6	Ullunkal	0.92	0.82	1.36	2.56	2.19	2.45	2.10	2.29	1.48	1.11	0.85	1.68	19.83
7	MP Steel	3.30	3.68	3.58	3.22	2.22	3.53	3.10	3.05	3.12	2.77	2.18	3.41	37.16
	Sub Total IPPs	222.31	218.60	235.89	183.12	197.02	68.00	87.65	107.53	134.89	143.69	125.49	206.06	1930.24
H	Power purchase through traders (KSEB bus)	0.00	-6.78	34.08	4.75	58.65	32.47	56.66	67.15	86.66	79.42	107.79	95.20	616.05
I	Total power purchase (E+F+G+H)	903.68	946.25	905.71	723.66	810.64	724.43	753.36	769.74	924.86	938.50	858.29	945.10	10204.21
J	External PGCIL loss	32.84	32.03	30.36	25.93	26.71	27.83	29.56	27.22	31.02	32.92	29.48	31.63	357.53
K	Net power purchase at KSEB bus	870.84	914.22	875.35	697.72	783.93	696.61	723.80	742.51	893.84	905.58	828.81	913.47	9846.68
L	Total Generation & Purchase (D+K)	1417.07	1457.51	1323.36	1284.26	1384.13	1343.41	1422.66	1371.58	1470.10	1462.92	1406.33	1704.81	17048.13
M	Auxiliary consumption in substations	0.99	1.02	0.93	0.90	0.97	0.94	1.00	0.96	1.03	1.02	0.98	1.19	11.94
N	Net energy available for sale	1416.07	1456.49	1322.43	1283.36	1383.16	1342.47	1421.67	1370.61	1469.07	1461.89	1405.35	1703.61	17036.19
O	Energy sale outside the state					5.03		7.40					41.47	53.90
P	Net energy available for sale in the State	1416.07	1456.49	1322.43	1283.36	1378.13	1342.47	1414.27	1370.61	1469.07	1461.89	1405.35	1662.14	16982.29

TABLE 11

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS FOR 2010-11

(in Million Units)

	Name of Station / Source	04/10	05/10	06/10	07/10	08/10	09/10	10/10	11/10	12/10	01/11	02/11	03/11	Total
A	Hydro													
1	Idukki	217.63	236.98	166.71	113.67	127.22	81.30	97.60	100.50	155.91	285.03	305.95	376.04	2264.51
2	Sabarigiri	141.51	129.12	104.09	113.96	99.06	100.24	116.02	71.29	111.96	119.03	91.23	175.13	1372.64
3	Idamalayar	33.18	29.03	20.49	17.85	17.40	22.08	33.90	43.26	53.53	28.04	38.73	39.41	376.90
4	Kuttiadi + KES + KAES	44.39	47.81	55.49	71.15	76.82	74.15	37.52	18.90	15.29	38.67	37.59	40.88	558.68
5	Poringalkuthu	11.54	4.37	16.64	23.96	23.80	22.82	23.68	22.49	19.27	8.06	6.90	4.05	187.57
6	Poringalkuthu LBE	0.77	9.10	10.99	11.77	11.76	11.13	11.69	10.99	10.68	11.16	9.84	10.82	120.69
7	Sholayar	24.66	24.96	15.27	1.62	1.65	22.14	18.43	20.80	31.31	26.40	30.81	25.20	243.24
8	Pallivasal	18.74	19.38	20.24	21.16	21.71	19.97	21.12	20.86	18.51	16.84	16.37	20.73	235.64
9	Sengulam	10.49	10.48	15.29	19.54	18.92	14.95	18.92	17.68	14.96	10.27	9.23	9.86	170.58
10	Panniar	10.01	8.20	10.79	14.34	20.15	19.81	22.99	21.24	19.22	11.78	8.53	13.81	180.86
11	Neriamangalam + NES	13.87	13.45	33.16	50.42	51.36	44.66	47.50	42.23	30.29	16.19	11.38	16.01	370.52
12	Lower Periyar	15.87	16.31	54.51	97.61	94.33	74.19	85.89	75.02	44.59	23.99	14.77	18.97	616.06
13	Kakkad	19.84	19.13	19.24	22.94	20.65	17.51	19.68	14.64	16.83	17.46	13.10	23.38	224.42
14	Kallada	4.29	2.37	0.97	1.32	5.38	8.36	10.18	10.33	10.53	1.98	6.28	10.27	72.25
15	Peppara	0.31	0.07	1.22	1.42	1.18	1.11	1.56	1.14	1.08	0.32	0.22	0.14	9.75
16	Malankara	3.03	3.36	3.47	3.36	3.32	2.67	2.90	2.70	2.67	3.57	3.01	2.83	36.90
17	Madupetty	0.75	0.35	0.32	0.00	0.00	0.00	0.00	0.13	0.69	0.04	0.00	0.00	2.28
18	Chembukadavu	0.00	0.00	1.83	3.05	2.70	1.94	1.96	2.04	0.02	0.00	0.00	0.00	13.54
19	Urumi	0.00	0.00	2.66	4.07	3.09	2.35	1.88	1.84	0.05	0.00	0.00	0.00	15.94
20	Malampuzha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Lower Meenmutty	0.11	0.38	0.92	0.99	0.81	0.67	1.06	1.19	0.74	0.16	0.11	0.06	7.20
22	Kuttiady Tailrace	1.05	1.11	0.88	0.14	0.00	0.00	0.00	0.05	0.13	0.31	0.33	0.34	4.35
	Sub Total Hydro	572.03	575.97	555.17	594.32	601.31	542.05	574.48	499.34	558.26	619.29	604.38	787.92	7084.51
	Auxiliary consumption	2.44	2.56	2.74	3.03	3.11	2.71	1.84	2.58	2.96	2.89	2.56	3.02	32.43
	Net Hydro Generation	569.58	573.41	552.43	591.29	598.19	539.33	572.64	496.76	555.30	616.40	601.82	784.90	7052.08
B	Wind	0.10	0.20	0.19	0.18	0.20	0.12	0.10	0.06	0.10	0.13	0.07	0.08	1.51
C	Thermal													
1	BDPP	22.06	19.55	6.68	3.78	4.21	3.99	10.57	0.00	0.29	3.39	8.37	13.17	96.05
2	KDPP	36.61	39.39	14.57	9.87	11.23	10.39	23.86	21.89	15.62	14.90	12.45	22.25	233.02

Table 11 continued

	Name of Station / Source	04/10	05/10	06/10	07/10	08/10	09/10	10/10	11/10	12/10	01/11	02/11	03/11	Total
	Sub Total Thermal	58.67	58.94	21.25	13.65	15.44	14.38	34.43	21.89	15.90	18.29	20.82	35.42	329.07
	Auxiliary consumption	1.93	1.94	0.70	0.45	0.51	0.47	1.13	0.72	0.52	0.60	0.68	1.16	10.81
	Net Thermal Generation	56.74	57.00	20.55	13.20	14.93	13.91	33.29	21.17	15.38	17.69	20.13	34.26	318.26
D	Total Internal Generation (excl. aux. cons.)	626.42	630.62	573.17	604.67	613.33	553.36	606.04	517.98	570.78	634.22	622.03	819.23	7371.85
E	Central Generating Stations													
1	NTPC-RSTPS	208.93	213.58	194.34	203.23	175.49	197.52	175.22	211.46	193.02	190.86	191.78	224.55	2380.01
2	Eastern Region	2.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.96
3	Talcher Stage-II	282.34	274.90	235.43	217.89	208.54	270.17	280.15	293.94	274.77	257.40	190.14	296.92	3082.59
4	NLC-Stage-1	39.01	39.50	36.67	29.62	27.09	34.33	34.96	28.71	21.09	38.00	37.09	46.54	412.61
5	NLC-Stage-II	55.11	46.98	54.65	55.88	50.38	39.20	44.95	29.09	41.85	59.11	53.10	63.88	594.19
6	NLC Expansion	18.45	33.89	36.19	32.57	29.68	37.16	34.38	22.92	31.79	31.52	34.67	39.21	382.42
7	MAPS	6.63	7.48	7.74	8.60	8.24	8.68	8.90	6.43	4.41	9.63	9.42	12.39	98.55
8	Kaiga	21.03	13.10	12.39	16.39	23.51	23.25	23.02	24.20	26.62	31.11	32.52	44.84	291.97
	Sub Total CGS	634.46	629.43	577.41	564.18	522.92	610.33	601.57	616.75	593.57	617.62	548.73	728.35	7245.31
F	UI Import	-1.83	76.45	70.49	86.80	55.04	106.09	79.76	51.02	93.45	114.98	49.20	14.87	796.30
G	IPPs													
1	RGCCPP	101.46	103.61	95.54	56.76	56.89	54.00	56.42	116.69	106.09	109.04	52.13	99.59	1008.23
2	BSES	76.73	44.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.42	79.87	223.30
3	KPCL	5.33	6.46	2.95	1.08	0.88	1.43	3.11	1.75	0.77	1.01	0.80	1.50	27.06
4	Ramakkalmedu Wind	0.49	2.46	4.62	5.73	5.11	2.93	2.57	1.07	1.12	1.65	0.93	0.71	29.39
5	Agali Wind	1.24	3.94	5.94	5.48	5.49	4.32	3.78	0.55	0.94	0.62	0.39	0.78	33.48
6	Ullunkal	1.48	1.57	2.63	3.17	2.91	2.10	2.60	1.98	1.46	1.38	1.02	1.99	24.29
7	Iruttukkanam						0.50	2.41	2.21	1.94	0.98	0.50	0.34	8.87
8	MP Steel	3.29	4.76	3.70	4.10	3.95	3.25	2.52	2.46	2.35	2.77	2.37	3.16	38.68
	Sub Total IPPs	190.01	167.09	115.37	76.33	75.23	68.53	73.40	126.72	114.67	117.45	80.56	187.94	1393.29
H	Power purchase through traders (KSEB bus)	71.15	81.04	30.30	41.89	141.59	83.49	167.61	125.56	129.61	65.54	113.33	26.27	1077.37
I	Total power purchase (E+F+G+H)	893.79	954.01	793.56	769.19	794.78	868.43	922.33	920.04	931.28	915.60	791.82	957.43	10512.27
J	External PGCIL loss	35.18	34.90	32.02	31.28	28.99	33.84	33.36	34.20	32.91	34.25	30.43	40.38	401.73
K	Net power purchase at KSEB bus	858.61	919.11	761.55	737.91	765.79	834.59	888.98	885.85	898.37	881.36	761.39	917.04	10110.54
L	Total Generation & Purchase (D+K)	1485.03	1549.72	1334.72	1342.58	1379.11	1387.95	1495.02	1403.83	1469.15	1515.58	1383.42	1736.28	17482.39
M	Auxiliary consumption in substations	1.01	1.05	0.91	0.91	0.94	0.94	1.02	0.95	1.00	1.03	0.94	1.18	11.88
N	Net energy available for sale	1484.02	1548.67	1333.81	1341.67	1378.18	1387.00	1494.00	1402.88	1468.16	1514.55	1382.48	1735.10	17470.51
O	Energy sale outside the state	19.19	0.69	0.50	0.00	0.00	0.00	54.00	3.22	0.35	0.73	0.30	51.26	130.24
P	Net energy available for sale in the State	1464.84	1547.98	1333.31	1341.67	1378.18	1387.00	1440.00	1399.65	1467.80	1513.81	1382.18	1683.84	17340.28

TABLE 12

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS FOR 2011-12

(in Million Units)

	Name of Station / Source	04/11	05/11	06/11	07/11	08/11	09/11	10/11	11/11	12/11	01/12	02/12	03/12	Total
A	Hydro													
1	Idukki	325.25	397.77	160.67	138.08	89.15	233.96	334.63	223.84	248.02	218.54	316.93	354.88	3041.71
2	Sabarigiri	160.25	154.36	116.10	104.47	74.90	142.91	126.40	102.81	112.50	75.13	90.63	174.26	1434.71
3	Idamalayar	36.11	28.52	13.68	20.58	25.20	26.65	27.63	26.21	27.23	30.74	41.63	44.81	348.99
4	Kuttiadi + KES + KAES	41.77	42.77	76.57	75.79	125.62	124.28	68.93	50.14	48.30	42.77	34.71	34.37	766.02
5	Poringalkuthu	3.40	12.67	23.01	23.78	23.60	23.20	12.46	12.44	9.80	7.50	7.98	7.29	167.13
6	Poringalkuthu LBE	10.36	1.86	9.57	11.80	11.80	11.36	9.11	8.04	9.55	9.85	3.42	5.44	102.15
7	Sholayar	23.73	23.71	6.44	3.35	18.67	28.49	8.94	8.20	23.56	24.77	24.58	25.93	220.36
8	Pallivasal	17.97	17.74	20.08	20.94	20.87	20.00	20.62	19.22	20.48	15.71	18.39	19.43	231.45
9	Sengulam	9.95	9.96	16.91	16.58	20.10	19.08	15.97	14.33	10.97	9.57	9.02	9.84	162.27
10	Panniar	8.59	16.26	16.17	12.56	20.91	22.02	18.45	20.65	18.33	10.98	9.09	10.46	184.48
11	Neriamangalam + NES	14.87	20.28	46.15	47.83	53.46	39.14	36.81	33.84	25.04	15.28	13.27	14.56	360.53
12	Lower Periyar	21.94	23.02	88.00	98.41	121.55	100.88	60.26	58.46	30.01	17.60	13.74	14.78	648.65
13	Kakkad	22.49	21.90	21.71	20.75	17.83	23.65	19.32	16.17	16.97	11.95	15.10	23.70	231.53
14	Kallada	7.53	3.39	0.73	1.69	4.15	6.14	5.98	7.80	8.95	5.42	5.78	8.09	65.63
15	Peppara	0.21	0.32	1.40	0.89	0.54	1.20	0.91	1.00	0.65	0.40	0.31	0.36	8.20
16	Malankara	2.89	3.03	2.68	3.09	3.18	3.21	3.00	2.72	2.04	2.32	2.40	1.39	31.94
17	Madupetty	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.97	1.22
18	Chembukadavu	0.00	0.00	3.00	2.97	3.41	2.15	0.16	0.30	0.00	0.00	0.00	0.00	11.99
19	Urumi	0.00	0.00	3.11	2.92	3.15	2.36	0.81	0.93	0.00	0.00	0.00	0.00	13.27
20	Malampuzha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.86	1.01	0.55	0.00	2.77
21	Lower Meenmutty	0.28	0.23	0.94	0.54	0.52	0.69	0.47	0.52	0.46	0.11	0.04	0.05	4.86
22	Kuttiady Tailrace	0.20	0.12	0.64	0.67	0.83	0.80	0.68	2.59	0.66	0.57	0.40	0.39	8.57
23	Poozhithode			0.60	2.53	3.03	2.27	0.48	0.33	0.09	0.04	0.00	0.00	9.36
24	Ranni-Perinad											0.02	0.20	0.21
	Sub Total Hydro	707.77	777.92	628.15	610.21	642.46	834.43	772.03	610.87	614.48	500.25	608.25	751.19	8058.01
	Auxiliary consumption	3.38	3.71	3.00	2.91	3.06	3.98	3.68	2.91	2.93	2.39	2.90	3.58	38.44
	Net Hydro Generation	704.39	774.21	625.15	607.30	639.39	830.45	768.34	607.96	611.55	497.86	605.35	747.61	8019.57
B	Wind	0.08	0.20	0.16	0.18	0.18	0.12	0.60	0.12	0.10	0.10	0.11	0.08	2.03
C	Thermal													
1	BDPP	12.39	9.40	2.83	0.42	0.2097	0.00	7.35	1.96	4.70	6.96	5.82	5.04	57.08
2	KDPP	28.74	23.93	18.10	9.08	8.2820	6.59	11.70	13.21	25.48	21.63	28.17	38.72	233.63
	Sub Total Thermal	41.13	33.33	20.93	9.50	8.49	6.59	19.05	15.17	30.18	28.59	33.99	43.76	290.70

Table 12 continued

	Name of Station / Source	04/11	05/11	06/11	07/11	08/11	09/11	10/11	11/11	12/11	01/12	02/12	03/12	Total
	Auxiliary consumption	1.28	1.03	0.60	0.29	0.26	0.20	0.59	0.42	0.90	0.89	1.05	1.34	8.86
	Net Thermal Generation	39.85	32.30	20.33	9.21	8.23	6.38	18.46	14.75	29.28	27.70	32.93	42.42	281.84
D	Total Internal Generation (excl. aux. cons.)	744.32	806.71	645.64	616.69	647.81	836.95	787.40	622.83	640.93	525.66	638.40	790.10	8303.45
E	Central Generating Stations													
1	NTPC-RSTPS	192.05	235.08	239.05	243.64	240.24	190.84	177.22	203.18	210.87	225.78	211.04	221.89	2590.90
2	Eastern Region	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.33	81.62	71.17	92.80	312.92
3	Talcher Stage-II	301.70	311.04	281.13	209.58	229.79	189.02	220.33	260.85	267.45	272.50	282.90	299.00	3125.29
4	Simhadri						9.29	22.69	26.34	30.72	30.27	26.22	30.99	176.51
5	NLC-Stage-1	42.08	44.84	42.87	32.17	44.24	40.36	34.22	22.22	26.24	43.71	40.32	41.70	454.97
6	NLC-Stage-II	61.19	61.88	61.97	52.58	46.76	39.65	47.80	53.51	49.62	58.53	57.44	59.25	650.20
7	NLC Expansion	27.77	39.23	37.28	30.42	37.25	34.89	26.41	24.31	28.42	45.88	43.77	46.87	422.51
8	MAPS	10.24	10.80	7.95	6.22	11.25	11.02	10.05	10.20	10.52	9.13	10.12	10.90	118.41
9	KAIGA	40.83	43.72	43.07	39.60	29.76	39.68	26.45	32.33	35.08	34.40	34.09	39.26	438.28
	Sub Total CGS	675.88	746.59	713.33	614.21	639.30	554.76	565.18	632.94	726.25	801.82	777.06	842.68	8289.99
F	UI Import	47.88	63.09	70.04	65.22	58.99	-29.89	35.30	16.14	42.39	46.80	61.69	55.79	533.43
G	IPPs													
1	NTPC Kayamkulam	104.34	67.85	30.62	5.45	0.00	0.00	69.43	53.54	0.00	30.28	29.95	94.90	486.36
2	BSES	46.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.61
3	KPCL	1.40	1.47	0.21	0.64	0.72	0.25	1.06	0.66	0.74	0.21	1.67	1.01	10.05
4	Ramakkalmedu Wind	0.61	2.27	5.43	6.43	5.15	4.24	1.05	1.20	1.44	1.22	1.56	0.68	31.27
5	Agali Wind	1.30	4.22	6.40	7.16	5.44	6.34	1.39	0.87	0.60	0.23	0.91	0.85	35.71
6	Ullunkal	1.98	1.84	2.84	2.50	2.87	2.83	1.88	1.52	1.38	0.86	0.95	1.72	23.16
7	Iruttukkanam	0.62	0.52	2.41	2.57	2.59	2.47	2.40	2.09	1.00	0.51	0.26	0.19	17.62
8	MP Steel	1.59	2.55	1.45	1.91	0.00	0.00	0.55	1.90	2.98	3.10	2.75	1.73	20.51
9	Philips Carbon	1.47	1.96	3.39	4.21	4.61	4.18	3.37	2.17	2.69	2.84	2.51	3.45	36.85
	Sub Total IPPs	159.91	82.69	52.75	30.86	21.38	20.29	81.13	63.95	10.83	39.27	40.56	104.53	708.14
H	Power purchase through traders (KSEB bus)	3.12	30.40	21.52	245.70	194.15	154.28	148.41	226.90	242.86	254.70	104.78	55.81	1682.62
I	SWAP Return	5.29	0.75									12.13	30.86	49.02
J	Total power purchase (E+F+G+H+I)	892.07	923.51	857.64	955.99	913.82	699.44	830.01	939.94	1022.33	1142.59	996.21	1089.66	11263.21
K	External PGCIL loss	39.91	43.32	38.45	26.28	31.83	18.81	28.53	26.63	36.31	40.71	40.75	41.67	413.21
L	Net power purchase at KSEB bus	852.16	880.19	819.19	929.70	881.99	680.63	801.48	913.31	986.01	1101.88	955.46	1047.99	10850.00
M	Total Generation & Purchase (D+L)	1596.48	1686.90	1464.83	1546.39	1529.80	1517.58	1588.88	1536.14	1626.95	1627.54	1593.86	1838.09	19153.44
N	Auxiliary consumption in substations	1.13	1.19	1.04	1.09	1.08	1.07	1.12	1.09	1.15	1.15	1.13	1.30	13.54
O	Net energy available for sale	1595.35	1685.70	1463.80	1545.30	1528.72	1516.50	1587.76	1535.05	1625.80	1626.39	1592.73	1836.79	19139.90
P	Energy sale outside the State	53.26	0.00	27.00	73.92	21.11	25.77	0.00	0.00	0.00	0.00	0.00	0.03	201.10
Q	Net energy available for sale within the State	1542.10	1685.70	1436.80	1471.38	1507.61	1490.73	1587.76	1535.05	1625.80	1626.39	1592.73	1836.76	18938.81

TABLE 13

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2012-13

(in Million Units)

	Name of Station / Source	04/12	05/12	06/12	07/12	08/12	09/12	10/12	11/12	12/12	01/13	02/13	03/13	Total
A	Hydro													
1	Idukki	230.13	248.12	201.22	167.35	106.79	117.07	89.21	80.74	95.12	64.25	55.26	119.77	1575.01
2	Sabarigiri	144.57	179.25	103.72	25.07	27.97	46.62	31.06	19.66	75.34	43.68	43.09	124.70	864.71
3	Idamalayar	40.36	39.64	31.06	23.41	10.77	13.38	8.52	7.19	15.99	12.71	14.51	32.37	249.92
4	Kuttiadi + KES + KAES	35.76	37.17	19.44	38.66	71.69	94.93	39.78	24.73	28.91	27.03	29.50	58.07	505.67
5	Poringalkuthu	3.07	5.74	10.54	17.87	20.15	21.55	14.40	9.27	8.34	5.89	9.58	4.04	130.44
6	Poringalkuthu LBE	7.20	9.40	9.46	11.74	11.72	10.71	9.11	7.05	9.38	8.07	0.12	5.91	99.86
7	Sholayar	23.19	25.63	16.68	2.67	1.40	7.89	22.50	22.85	26.49	22.52	19.39	18.99	210.20
8	Pallivasal	12.01	18.48	18.28	19.76	20.03	19.62	18.45	14.32	8.66	5.76	5.04	16.48	176.89
9	Sengulam	6.79	9.68	11.37	11.40	16.34	15.00	12.32	8.64	3.46	1.69	2.10	8.92	107.69
10	Panniar	4.23	16.24	6.19	4.12	3.87	15.51	11.15	7.85	9.50	4.69	2.34	5.01	90.69
11	Neriamangalam + NES	8.76	22.21	20.89	26.42	37.66	41.35	25.47	16.41	12.50	6.51	4.05	10.09	232.32
12	Lower Periyar	8.93	20.91	28.34	53.18	74.35	73.00	37.96	24.71	14.30	6.42	3.94	10.78	356.82
13	Kakkad	20.61	25.55	17.14	7.11	8.78	9.16	5.72	3.75	11.24	6.87	6.97	18.26	141.17
14	Kallada	4.74	2.53	0.14	2.97	2.68	3.04	1.67	0.74	1.65	1.25	3.04	1.10	25.54
15	Peppara	0.24	0.27	0.29	0.39	0.30	0.25	0.20	0.09	0.47	0.46	0.35	0.39	3.69
16	Malankara	1.42	3.62	3.69	3.70	3.05	2.97	1.86	1.66	1.45	0.89	0.73	1.65	26.69
17	Madupetty	0.51	0.77	0.39	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.07	0.72	2.49
18	Chembukadavu	0.00	0.00	0.90	2.64	2.81	2.23	0.57	0.38	0.00	0.00	0.00	0.00	9.52
19	Urumi	0.00	0.00	1.78	2.92	2.47	2.09	1.12	0.42	0.00	0.00	0.00	0.00	10.79
20	Malampuzha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.91	0.66	0.00	0.00	1.94
21	Lower Meenmutty	0.56	0.11	0.35	0.61	1.00	1.25	0.67	0.42	0.62	0.64	0.77	1.01	8.01
22	Kuttiady Tailrace	0.56	0.11	0.35	0.61	1.00	1.25	0.67	0.42	0.62	0.64	0.77	1.01	8.00
23	Poozhithode	0.02	0.02	1.54	2.74	2.79	2.09	0.77	0.55	0.10	0.05	0.00	0.01	10.67
24	Ranni-Perinad	0.43	0.79	0.71	0.75	0.86	0.62	0.62	0.30	0.28	0.11	0.06	0.61	6.15
25	Peechi											0.16	0.10	0.26
	Sub Total Hydro	554.11	666.23	504.46	426.12	428.48	501.55	333.79	252.50	325.32	220.78	201.84	439.98	4855.15
	Auxiliary consumption	2.47	2.89	2.59	2.43	2.75	2.77	2.47	2.04	1.94	1.55	1.60	2.34	27.83
	Net Hydro Generation	551.63	663.33	501.87	423.69	425.73	498.78	331.32	250.46	323.38	219.23	200.24	437.65	4827.32
B	Wind	0.09	0.27	0.22	0.22	0.23	0.14	0.08	0.06	0.15	0.11	0.10	0.08	1.76
C	Thermal													
1	BDPP	5.67	1.09	1.20	1.25	3.93	7.47	7.45	9.69	16.03	10.42	4.31	15.07	83.59
2	KDPP	45.13	28.07	21.20	25.43	37.01	32.78	43.21	35.39	45.93	42.89	38.93	53.14	449.11

Table 13 continued

	Name of Station / Source	04/12	05/12	06/12	07/12	08/12	09/12	10/12	11/12	12/12	01/13	02/13	03/13	Total
	Sub Total Thermal	50.80	29.16	22.40	26.68	40.94	40.24	50.66	45.08	61.96	53.31	43.25	68.21	532.70
	Auxiliary consumption	1.24	0.83	0.64	0.70	0.99	1.08	1.29	1.20	1.59	1.35	1.05	1.70	13.65
	Net Thermal Generation	49.56	28.33	21.76	25.98	39.96	39.17	49.37	43.88	60.37	51.96	42.20	66.51	519.05
	Total Internal Generation	601.29	691.93	523.84	449.89	465.91	538.09	380.77	294.41	383.91	271.31	242.54	504.24	5348.14
	Auxiliary consumption in substations	1.16	1.25	1.14	1.16	1.14	1.13	1.15	1.12	1.16	1.16	1.05	1.26	13.87
D	Total Internal Generation excluding auxiliary consumption	600.12	690.69	522.71	448.73	464.77	536.96	379.62	293.29	382.75	270.15	241.49	502.98	5334.27
E	Central Generating Stations													
1	NTPC-RSTPS	208.85	223.99	193.56	196.04	170.62	174.67	185.12	187.53	224.12	225.59	196.09	219.79	2405.97
2	Eastern Region	81.42	83.66	78.46	62.24	13.84	13.60	15.96	19.51	23.12	20.06	18.40	20.30	450.58
3	Talcher Stage-II	293.59	293.33	232.03	199.91	175.55	149.19	283.26	248.91	272.10	278.11	264.12	226.27	2916.39
4	Simhadri	27.73	30.30	14.64	11.42	28.46	25.55	46.76	40.26	44.27	62.20	43.79	46.67	422.07
5	NLC-Stage-1	40.76	39.59	40.24	32.62	42.06	38.13	27.38	32.44	30.87	43.75	40.02	42.12	449.99
6	NLC-Stage-II	58.66	60.73	52.29	58.18	35.91	39.85	56.91	47.07	60.82	65.18	54.07	60.44	650.11
7	NLC Expansion	43.47	44.68	43.31	46.00	45.88	44.09	25.50	24.39	40.17	47.38	42.77	47.34	494.99
8	MAPS	8.83	10.64	10.95	11.63	9.91	11.74	12.14	11.49	10.91	11.86	10.80	5.94	126.84
9	KAIGA	38.12	39.34	37.54	31.95	33.80	36.45	38.34	32.29	37.02	37.28	35.36	31.77	429.26
10	IGSTPS(Jhajjar)	37.99	49.19	130.17	50.53	42.00	80.29	93.63	76.30	36.19	33.01	33.88	36.91	700.08
11	Vallur STPS							0.00	0.34	3.05	6.65	5.72	7.62	23.37
	Sub Total CGS	839.42	875.45	833.21	700.51	598.04	613.56	785.01	720.52	782.65	831.07	745.02	745.17	9069.64
F	UI Import	117.54	122.57	86.60	106.19	86.21	72.53	59.01	54.34	72.99	60.27	57.13	62.83	958.21
G	IPPs													
1	NTPC Kayamkulam	69.44	8.02	0.00	63.71	180.47	160.43	177.82	199.46	232.05	217.50	121.58	87.11	1517.59
2	BSES	0.00	0.00	0.00	0.00	0.00	21.68	0.00	0.00	0.00	0.00	0.00	109.67	131.34
3	KPCL	0.79	0.21	0.00	0.03	0.57	0.00	0.00	0.73	0.01	0.00	0.00	0.26	2.60
4	Ramakkalmedu Wind	0.64	2.85	5.86	4.61	5.06	4.08	1.50	0.71	2.28	1.50	0.97	0.85	30.91
5	Agali Wind	1.65	5.05	7.32	6.88	6.81	5.69	1.45	0.52	0.88	0.41	0.64	0.76	38.06
6	Ullunkal	1.65	2.14	1.52	1.27	1.77	1.17	1.05	0.49	0.89	0.49	0.50	1.43	14.37
7	Iruttukkanam	0.12	0.02	1.40	4.76	3.51	3.20	2.46	1.49	0.72	0.40	0.27	0.22	18.56
8	MP Steel	0.88	1.31	1.70	0.46	1.88	0.00	0.00	0.00	0.00	1.19	0.00	0.00	7.43
9	Philips Carbon	2.44	2.16	4.31	2.59	1.42	2.58	3.35	3.03	2.31	2.22	2.22	2.73	31.35
	Sub Total IPPs	77.61	21.76	22.10	84.30	201.50	198.82	187.63	206.43	239.13	223.71	126.18	203.02	1792.21

Table 13 continued

TABLE 14

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2013-14

	Name of Station / Source	04/13	05/13	06/13	07/13	08/13	09/13	10/13	11/13	12/13	01/14	02/14	03/14	Total
A	Hydro													
1	Idukki	101.74	75.27	82.49	120.94	370.81	390.97	398.64	249.42	196.08	281.97	228.57	241.85	2738.72
2	Sabarigiri	120.59	82.49	65.01	109.99	180.42	184.72	196.07	160.89	157.60	114.91	98.24	164.28	1635.21
3	Idamalayar	18.86	9.52	6.36	35.77	53.30	51.02	54.13	41.90	23.65	26.56	29.35	35.64	386.07
4	Kuttiadi + KES + KAES	47.83	40.99	80.07	132.84	120.86	102.38	90.37	56.68	44.11	44.46	40.90	40.93	842.42
5	Poringalkuthu + PLBE	10.03	12.19	27.25	29.89	28.77	28.47	28.15	18.40	12.80	13.43	12.63	14.71	236.72
6	Sholayar	21.87	23.62	8.56	0.55	24.82	28.85	13.49	15.21	25.00	13.42	26.17	31.77	233.31
7	Pallivasal	18.68	17.77	18.46	19.98	19.48	19.02	19.96	17.68	13.97	16.16	16.77	17.62	215.53
8	Sengulam	8.12	9.29	9.90	11.00	18.29	18.88	19.68	10.74	7.83	9.22	8.90	10.01	141.85
9	Panniar	3.96	5.10	9.51	23.69	23.48	22.19	23.48	17.27	10.34	10.65	6.69	13.97	170.32
10	Neriamangalam + NES	9.29	10.79	41.26	57.13	56.16	53.62	44.24	28.77	16.21	16.83	12.28	19.18	365.75
11	Lower Periyar	9.91	11.74	82.18	126.77	99.58	95.03	65.84	40.44	20.69	17.68	12.04	19.11	601.00
12	Kakkad	17.26	12.60	16.44	23.64	26.08	26.04	25.96	22.74	21.93	17.43	15.34	22.20	247.66
13	Kallada	0.79	0.00	0.00	3.06	8.41	5.25	10.19	10.13	11.11	5.66	5.27	7.68	67.55
14	Peppara	0.34	0.25	0.00	1.55	0.98	1.17	0.74	1.16	0.39	0.37	0.36	0.33	7.63
15	Malankara	1.49	1.15	2.54	3.19	2.40	1.69	2.49	3.46	3.07	3.21	2.81	2.88	30.38
16	Madupetty	0.78	0.62	0.09	0.00	0.09	0.96	1.27	0.06	0.14	0.47	0.65	0.64	5.75
17	Chembukadavu - I & II	0.00	0.00	2.91	3.71	1.97	2.18	1.24	0.35	0.07	0.00	0.00	0.00	12.42
18	Urumi - I & II	0.00	0.06	2.82	3.82	2.52	2.77	1.42	0.25	0.01	0.00	0.00	0.00	13.67
19	Malampuzha	0.00	0.00	0.00	0.00	0.01	0.58	0.56	0.83	1.56	1.14	0.29	0.00	4.96
20	Lower Meenmutty	0.03	0.05	0.88	1.27	0.96	0.57	0.61	0.78	0.31	0.09	0.03	0.05	5.62
21	Kuttiady tail race	0.72	0.61	1.11	1.13	0.92	0.81	0.77	0.58	0.49	0.27	0.02	0.53	7.96
22	Poozhithode	0.00	0.05	2.63	3.05	2.52	1.89	1.49	0.33	0.10	0.04	0.00	0.00	12.10
23	Ranni-Perinad	0.53	0.40	1.09	1.27	1.72	1.25	1.40	1.14	0.04	0.00	0.00	0.69	9.52
24	Peechi	0.00	0.00	0.00	0.04	0.44	0.62	0.53	0.36	0.51	0.39	0.20	0.22	3.29
	Sub Total Hydro	392.81	314.56	461.53	714.27	1044.96	1040.92	1002.70	699.56	567.99	594.36	517.51	644.26	7995.43
	Auxiliary consumption	1.64	1.31	1.92	2.98	4.36	4.34	4.18	2.92	2.37	2.48	2.16	2.69	33.34
	Net Hydro Generation	391.17	313.25	459.60	711.29	1040.60	1036.58	998.52	696.64	565.62	591.88	515.35	641.58	7962.08
B	Wind	0.14	0.29	0.16	0.21	0.19	0.16	0.11	0.06	0.13	0.16	0.09	0.10	1.80
C	Thermal													
1	Brahmapuram Diesel Power Plant	10.81	9.67	1.38	0.00	0.01	0.00	0.00	3.51	3.21	0.46	0.00	0.00	29.04
2	Kozhikode Diesel Power Plant	57.38	42.37	9.52	5.66	5.37	4.34	6.84	7.21	6.71	7.50	10.01	28.92	191.83

Table 14 continued

	Name of Station / Source	04/13	05/13	06/13	07/13	08/13	09/13	10/13	11/13	12/13	01/14	02/14	03/14	Total
	Sub Total Thermal	68.19	52.03	10.90	5.66	5.37	4.34	6.84	10.72	9.92	7.97	10.01	28.92	220.88
	Auxiliary consumption	1.63	1.30	0.42	0.28	0.29	0.25	0.31	0.49	0.46	0.33	0.34	0.72	6.82
	Net Thermal Generation	66.56	50.73	10.48	5.39	5.08	4.09	6.53	10.23	9.46	7.64	9.67	28.19	214.06
	Total Internal Generation	457.87	364.27	470.24	716.89	1045.88	1040.83	1005.16	706.93	575.21	599.68	525.11	669.87	8177.94
	Auxiliary consumption in substations	1.19	1.19	1.00	1.09	1.19	1.24	1.31	1.17	1.21	1.42	1.34	1.56	14.91
D	Total Internal Generation (excl. aux. cons.)	456.68	363.08	469.24	715.80	1044.69	1039.59	1003.85	705.76	574.00	598.26	523.77	668.31	8163.03
E	Central Generating Stations													
1	NTPC-RSTPS (Unit 1 to 6 & Unit 7)	214.74	221.77	176.06	180.02	141.71	165.11	174.14	217.50	224.22	233.83	213.48	226.82	2389.40
2	Eastern Region	14.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.98
3	Talcher Stage-II	188.70	176.50	217.71	237.00	240.06	252.42	242.22	276.86	282.37	296.50	263.00	303.75	2977.09
4	Simhadri STPS Stg II Unit 1	57.39	51.62	61.06	45.42	27.00	44.73	39.62	59.70	66.44	75.15	65.37	72.00	665.50
5	NLC-Stage-1	41.26	41.66	36.96	38.93	31.84	34.96	32.56	35.02	31.69	51.62	38.34	49.37	464.21
6	NLC-Stage-II	58.72	57.41	59.65	50.58	29.67	39.92	64.26	47.78	64.47	71.45	54.58	66.45	664.94
7	NLC Expansion	45.62	47.00	45.25	45.78	41.69	44.12	23.99	27.33	41.50	47.78	40.27	43.19	493.52
8	MAPS	5.22	5.26	5.24	5.53	5.47	5.26	10.83	7.35	11.46	11.37	9.31	11.42	93.72
9	KAIGA	40.41	47.23	46.44	50.39	50.70	42.60	42.13	32.47	40.91	43.77	40.19	35.36	512.60
10	IGSTPS (Jhajjar) NR	41.19	44.21	36.27	54.81	53.55	54.46	77.05	68.07	65.97	66.91	61.09	67.09	690.67
11	Vallur STPS	8.55	5.82	4.22	10.75	3.30	9.29	13.30	11.93	11.19	24.01	17.34	15.43	135.13
12	Kudamkulam (KKNPP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.88	55.43	73.31
	Sub Total CGS	716.78	698.48	688.86	719.21	624.99	692.87	720.10	784.01	840.22	922.39	820.85	946.31	9175.07
F	UI Import	65.91	49.36	61.91	35.21	0.78	-5.75	33.66	39.32	50.72	61.60	69.81	50.37	512.90
G	IPPs													
1	RGCCP (NTPC Kayamkulam)	212.46	106.03	0.00	0.00	0.00	0.00	0.00	0.02	35.81	192.62	194.66	205.55	947.15
2	BSES	44.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.45	94.08	90.07	97.99	337.92
3	KPCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Ramakkalmedu Wind	0.49	2.87	6.77	6.31	4.23	4.08	2.20	1.04	1.56	1.78	0.66	1.21	33.21
5	Agali Wind	2.38	5.79	7.29	5.87	5.10	6.59	4.34	0.43	0.70	0.80	0.51	1.05	40.86
6	Ullunkal	1.42	0.98	1.97	2.58	2.91	3.18	2.73	2.22	1.77	1.18	0.95	1.73	23.62

Table 14 continued

TABLE 15

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2014-15

(in Million Units)

Sl. No.	Name of Station / Source	04/14	05/14	06/14	07/14	08/14	09/14	10/14	11/14	12/14	01/15	02/15	03/15	Total
1	Idukki	277.90	335.76	289.00	196.88	149.85	133.01	210.12	172.30	149.41	153.52	186.34	238.49	2492.58
2	Sabarigiri	168.40	118.21	22.24	101.77	75.74	126.87	150.37	100.80	68.82	46.98	82.66	162.00	1224.84
3	Idamalayar	33.90	31.46	24.33	12.04	28.77	44.24	44.33	24.73	27.63	32.25	25.61	43.29	372.57
4	Kuttiadi + KES + KAES	38.96	40.34	38.57	94.03	119.38	120.90	81.52	32.59	25.58	36.24	48.25	61.94	738.32
5	Poringalkuthu	9.00	14.54	9.93	17.53	19.98	18.80	19.33	10.50	10.18	9.35	5.69	6.20	151.03
6	PLBE	6.38	2.48	5.90	11.21	11.75	10.25	11.40	9.65	9.96	10.44	8.57	9.46	107.45
7	Sholayar	33.33	25.16	4.67	3.99	5.00	15.64	14.63	17.95	33.70	27.89	23.31	32.65	237.93
8	Pallivasal	17.35	15.37	17.43	18.98	20.38	19.75	20.45	18.99	14.81	13.56	16.56	18.06	211.69
9	Sengulam	9.61	9.42	11.80	17.30	21.05	14.62	16.48	15.19	10.62	7.23	8.38	9.65	151.35
10	Panniar	6.52	5.59	2.93	10.98	23.62	22.85	23.64	21.14	8.58	8.58	6.54	13.99	154.95
11	Neriamangalam + NES	12.46	12.53	18.44	45.78	56.21	49.32	48.62	37.62	17.51	14.20	11.54	22.07	346.30
12	Lower Periyar	12.25	13.62	32.81	102.37	124.41	89.40	79.42	55.98	21.93	15.54	11.02	18.77	577.50
13	Kakkad	23.00	16.97	4.98	19.51	17.71	20.10	23.20	15.96	9.97	7.41	12.77	21.34	192.93
14	Kallada	7.73	2.48	1.91	0.95	2.32	10.55	9.47	9.97	5.79	5.56	4.48	7.79	68.99
15	Peppara	0.25	0.13	0.00	0.00	1.29	1.03	0.47	0.31	0.46	0.36	0.40	0.41	5.13
16	Malankara	2.97	2.84	3.08	3.14	3.01	2.47	3.26	3.26	2.34	2.24	2.44	3.09	34.15
17	Madupetty	0.62	0.44	0.00	0.00	0.00	0.00	0.05	0.32	0.34	0.35	0.72	0.72	3.57
18	Chembukadavu - I & II	0.00	0.00	1.79	2.95	2.67	1.96	1.36	0.21	0.00	0.00	0.00	0.00	10.95
19	Urumi - I & II	0.00	0.00	2.26	3.30	3.18	2.10	2.01	0.12	0.01	0.00	0.00	0.00	12.98
20	Malampuzha	0.00	0.00	0.00	0.00	0.00	0.00	1.07	1.18	1.39	1.25	0.30	0.00	5.19
21	Lower Meenmutty	0.08	0.38	0.00	0.00	1.16	0.76	0.89	0.81	0.37	0.15	0.03	0.11	4.74
22	Kuttiady tail race	0.49	0.45	0.55	1.11	1.38	1.07	0.11	0.29	0.44	0.60	0.51	0.92	7.92
23	Poozhithode	0.01	0.20	1.61	3.13	2.38	2.15	1.33	0.32	0.14	0.05	0.00	0.00	11.33
24	Ranni-Perinad	0.67	0.53	0.47	0.75	0.20	0.97	1.31	0.91	0.40	0.09	0.24	0.82	7.35
25	Peechi	0.00	0.00	0.00	0.00	0.00	0.28	0.25	0.27	0.46	0.22	0.07	0.36	1.92
26	Vilangad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.14	0.04	0.01	0.45

Table 15 continued

Sl. No.	Name of Station / Source	04/14	05/14	06/14	07/14	08/14	09/14	10/14	11/14	12/14	01/15	02/15	03/15	Total
	Sub Total Hydro	661.87	648.90	494.69	667.69	691.45	709.08	765.11	551.37	421.12	394.22	456.47	672.13	7134.11
	Auxiliary consumption	2.58	2.77	2.61	3.21	3.35	2.99	3.35	4.01	2.40	2.22	2.84	2.85	35.16
	Net Hydro Generation	659.29	646.13	492.08	664.49	688.10	706.09	761.76	547.36	418.72	392.00	453.64	669.29	7098.95
B	Wind	0.08	0.15	0.00	0.00	0.16	0.16	0.06	0.08	0.10	0.09	0.10	0.06	1.06
	Auxiliary consumption	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.10
	Net Wind Generation	0.08	0.15	0.00	0.00	0.16	0.16	0.06	0.08	0.10	0.09	0.00	0.06	0.96
C	Thermal													
1	Brahmapuram Diesel Power Plant	0.00	0.28	0.00	0.00	1.14	0.00	0.00	3.33	2.39	0.10	0.03	1.17	8.43
2	Kozhikode Diesel Power Plant	33.29	34.21	22.87	8.20	9.75	6.91	10.47	16.37	22.02	13.41	10.89	10.88	199.27
	Sub Total Thermal	33.29	34.49	22.87	8.20	10.89	6.91	10.47	19.70	24.41	13.51	10.91	12.05	207.70
	Auxiliary consumption	0.77	0.80	1.04	0.32	0.41	0.30	0.37	0.60	0.71	0.47	0.36	0.45	6.61
	Net Thermal Generation	32.52	33.69	21.83	7.88	10.48	6.61	10.10	19.10	23.70	13.04	10.55	11.60	201.09
	Total Internal Generation	691.90	679.98	513.91	672.37	698.74	712.86	771.91	566.54	442.52	405.13	464.19	680.95	7301.00
	Auxiliary consumption in substations	1.42	1.26	1.10	1.10	1.09	1.11	1.14	1.12	1.16	1.18	1.12	1.29	14.10
D	Total Internal Generation (excl. aux. cons.)	690.48	678.72	512.81	671.27	697.65	711.75	770.77	565.42	441.36	403.95	463.07	679.66	7286.90
E	Central Generating Stations	899.085	889.969	821.49	848.88	802.03	786.90	795.33	872.22	1009.99	1063.00	988.55	1064.10	10841.54
F	UI Import / Deviation settlement	39.85	50.09	66.98	62.96	53.28	65.63	64.84	64.39	79.14	66.02	57.51	51.85	722.54
G	IPPs													
1	RGCCPP (NTPC Kayamkulam)	213.36	82.06	110.32	102.16	48.02	0	86.47	96.68	59.76	0	0	0.00	798.81
2	BSES	97.98	12.66	0.00	0.00	0.00	0	0.00	36.27	0.00	0	0	0.00	146.91
3	KPCL	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0	0.00	0.00
4	Ramakkalmedu Wind	0.39	1.55	5.36	6.46	4.28	3.4	0.88	1.17	0.79	1.24	0.7	0.51	26.73
5	Agali Wind	1.47	4.17	7.99	8.60	7.92	5.84	1.51	0.84	0.58	0.30	0.64	0.56	40.41
6	Ullunkal	1.81	1.61	1.05	2.75	2.88	2.41	2.69	1.63	0.84	0.54	0.90	1.70	20.80
7	Iruttukkanam I	0.11	0.35	1.16	2.54	2.63	2.54	2.50	1.48	1.09	0.62	0.29	0.31	15.61
8	Iruttukkanam II	0.12	0.21	0.80	1.25	1.37	1.27	1.29	1.02	0.19	0.00	0.03	0.04	7.57
9	MP Steel	2.24	1.99	2.97	1.30	2.87	2.10	3.73	2.04	0.40	1.42	0.00	0.00	21.05
10	Philips Carbon	2.17	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.48
11	Karikkayam	2.26	2.27	1.43	3.96	4.20	2.70	3.80	2.03	1.01	0.56	0.87	2.09	27.17

Table 15 continued

TABLE 16

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2015-16

(in Million Units)

Sl. No	Stations	04/15	05/15	06/15	07/15	08/15	09/15	10/15	11/15	12/15	01/16	02/16	03/16	TOTAL
1	Idukki	217.30	342.80	151.83	204.30	220.40	230.72	194.23	115.01	118.25	149.92	178.72	249.80	2373.27
2	Sabarigiri	162.82	143.39	96.34	108.81	120.22	84.49	71.94	42.71	69.77	82.76	82.89	102.81	1168.95
3	Idamalayar	39.54	39.01	15.53	25.68	30.40	23.21	17.69	5.44	11.36	14.57	23.96	29.37	275.76
4	Kuttiady (Units 1 to 6)	37.45	53.36	53.68	89.53	55.74	48.05	41.38	20.57	30.09	37.73	51.65	56.66	575.89
5	Poringalkuthu	8.52	14.57	13.25	25.14	23.61	24.03	21.88	18.62	11.02	4.27	2.23	3.62	170.77
6	PLBE	6.41	3.86	8.24	11.90	11.91	11.07	10.96	10.29	2.93	10.06	9.62	9.17	106.43
7	Sholayar	30.16	21.32	12.32	2.39	2.81	11.88	25.18	28.01	9.61	20.34	21.77	24.43	210.22
8	Pallivasal	17.92	17.13	18.67	19.76	19.99	19.43	19.02	19.23	15.57	16.60	17.22	18.05	218.60
9	Sengulam	10.52	10.78	14.87	19.37	17.96	14.77	14.91	14.48	13.43	10.49	8.81	10.52	160.91
10	Panniar	11.74	20.28	11.81	18.54	18.43	9.89	10.89	20.34	18.40	7.79	9.75	16.08	173.93
11	Neriamangalam+NES	18.81	26.57	32.27	50.87	42.45	31.74	31.22	36.63	30.11	14.70	14.80	21.89	352.07
12	Lower Periyar	20.33	28.68	58.61	90.63	70.42	48.52	45.90	53.31	42.51	16.78	14.75	20.52	510.97
13	Kakkad	21.80	19.48	16.67	18.97	19.69	13.76	12.88	7.93	10.34	13.01	12.97	16.12	183.64
14	Kallada	7.40	5.17	2.83	3.07	3.32	0.08	0.11	1.89	9.59	0.98	3.03	7.33	44.81
15	Peppara	0.17	0.12	0.00	0.00	0.00	0.03	1.36	0.99	0.82	0.29	0.50	0.43	4.71
16	Malankara	3.12	3.61	2.95	3.55	3.46	2.37	2.06	2.19	1.54	2.12	2.30	3.17	32.43
17	Madupetty	0.66	0.53	0.34	0.00	0.00	0.00	0.00	0.26	0.60	0.45	0.65	0.80	4.29
18	Chembukadavu	0.00	0.00	1.17	2.47	1.62	1.49	1.52	0.65	0.12	0.00	0.00	0.00	9.04
19	Urumi	0.00	0.00	1.69	2.59	1.77	1.16	1.39	0.40	0.30	0.00	0.00	0.00	9.30
20	Malampuzha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.96	0.68	0.08	0.00	2.03
21	Lower Meenmutty	0.25	0.47	0.56	0.56	0.31	0.82	0.90	0.99	0.50	0.13	0.05	0.03	5.56
22	Kuttiady Tail Race	0.67	0.88	0.76	1.13	0.85	0.61	0.61	0.32	0.26	0.50	0.66	0.80	8.05
23	Poozhithode	0.02	0.16	1.12	1.79	1.94	1.32	1.15	0.88	0.17	0.07	0.00	0.00	8.62
24	Ranni-Perinad	0.79	0.93	0.93	0.88	0.27	0.84	0.90	0.67	0.53	0.25	0.23	0.44	7.66
25	Peechi	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.28	0.29	0.33	0.23	1.43
26	Vilangad	0.00	0.00	1.21	3.45	3.44	1.80	1.92	0.56	0.24	0.11	0.02	0.00	12.75
27	Chimony	0.00	0.00	0.00	0.00	0.62	0.90	0.43	1.04	0.54	1.05	0.00	0.00	4.59
28	Adyanpara	0.00	0.00	0.00	0.00	0.13	0.55	0.94	0.49	0.25	0.00	0.00	0.00	2.36
29	Barapole												0.0008	0.0008
	Sub Total Hydro	616.51	753.10	517.63	705.37	671.81	583.54	531.39	404.43	400.06	405.92	457.01	592.26	6639.02

Table 16 continued

A	Auxiliary Consumption	2.66	2.90	3.17	3.12	3.19	2.92	2.85	2.58	2.57	2.31	2.29	2.77	33.35
	Net Hydro Generation	613.85	750.20	514.46	702.24	668.62	580.61	528.53	401.85	397.49	403.61	454.72	589.49	6605.67
B	Wind	0.05	0.13	0.15	0.21	0.18	0.09	0.06	0.07	0.15	0.13	0.09	0.07	1.38
	Auxiliary Consumption	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Net Wind Generation	0.05	0.13	0.15	0.21	0.18	0.09	0.06	0.07	0.15	0.13	0.09	0.07	1.38
C	Solar	0.00	0.00	0.00	0.00	0.08	0.11	0.13	0.04	0.10	0.12	0.13	0.11	0.81
	Auxiliary Consumption	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Net Solar Generation	0.00	0.00	0.00	0.00	0.08	0.11	0.13	0.04	0.10	0.12	0.13	0.11	0.81
D	Thermal													
1	BDPP,Brahmapuram	2.95	2.29	0.22	1.00	0.08	0.00	1.48	1.05	0.35	1.00	0.00	2.83	13.25
2	KDPP, Nallalam	20.46	14.98	15.14	8.89	9.62	32.98	9.54	4.62	2.30	1.74	0.10	17.00	137.38
	Sub Total Thermal	23.42	17.27	15.36	9.90	9.70	32.98	11.02	5.67	2.64	2.74	0.10	19.83	150.63
	Auxiliary Consumption	0.69	0.56	0.49	0.38	0.37	0.75	0.43	0.30	0.21	0.23	0.13	0.59	5.13
	Net Thermal Generation	22.73	16.71	14.87	9.52	9.33	32.23	10.59	5.37	2.43	2.51	-0.03	19.24	145.50
	Total Internal Generation	636.63	767.04	529.48	711.97	678.20	613.04	539.31	407.33	400.17	406.36	454.91	608.91	6753.36
	Auxiliary Consumption of Substations	1.43	1.26	1.10	1.10	1.09	1.11	1.14	1.13	1.16	1.19	1.12	1.31	14.14
E	Total Internal Generation (excl. aux. cons.)	635.20	765.78	528.38	710.87	677.12	611.94	538.17	406.21	399.02	405.17	453.79	607.60	6739.25
F	Central Generating Stations at Kerala periphery	984.76	961.54	927.79	866.35	873.36	833.73	966.29	934.02	927.14	947.14	922.30	904.27	11048.70
G	UI Import/ Deviation Settlement	45.86	47.95	43.53	52.97	59.31	66.10	74.41	72.10	57.97	47.06	48.16	77.92	693.34
H	IPP's													
	RGCCPP (NPTC Kayamkulam)	-0.90	-0.80	3.08	-0.85	17.76	100.65	14.33	-0.71	-0.39	-0.86	-0.78	-0.71	129.80
	BSES	-0.16	5.04	-0.12	-0.15	-0.17	-0.16	-0.11	-0.15	-0.16	-0.15	0.15	-0.16	3.71
	KPCL	0.00	0.00	0.00	0.00	7.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.21
	Wind	1.40	4.30	6.93	13.53	10.88	7.31	2.93	1.18	3.23	2.35	1.86	1.50	57.40
	Ullunkal	1.84	1.76	1.95	2.24	2.21	1.59	1.73	1.13	1.08	0.87	0.84	1.02	18.26
	Iruttukkanam I	0.34	0.44	1.53	2.64	2.56	2.34	2.35	1.39	1.19	0.57	0.20	0.16	15.69
	Iruttukkanam II	0.27	0.45	0.77	1.36	1.30	1.22	1.26	1.11	0.78	0.24	0.21	0.15	9.14
	MP Steel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Karikkayam	2.24	2.19	2.77	3.15	3.30	2.32	2.98	2.05	1.76	1.30	1.31	1.61	26.99

Table 16 continued

TABLE 17

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2016-17

(in Million Units)

Sl. No	Stations	04/16	05/16	06/16	07/16	08/16	09/16	10/16	11/16	12/16	01/17	02/17	03/17	TOTAL
1	Idukki	238.62	149.52	96.94	57.21	93.77	128.19	144.27	82.00	73.86	76.24	84.53	153.92	1379.05
2	Sabarigiri	129.61	73.23	55.23	40.06	61.37	78.49	59.55	62.30	59.90	40.82	42.33	94.94	797.83
3	Idamalayar	26.48	17.77	11.12	4.36	12.99	13.05	7.94	4.97	12.21	15.10	20.71	25.25	171.96
4	Kuttiady (Units 1 to 6)	46.37	33.71	36.43	64.30	48.32	34.16	38.10	20.64	24.11	29.99	40.09	49.24	465.44
5	Poringalkuthu	2.19	1.70	8.52	26.07	20.78	15.19	5.26	4.22	1.15	5.73	5.34	4.38	100.52
6	PLBE	10.93	9.53	5.28	11.98	10.89	10.67	8.65	6.60	4.88	2.54	3.62	8.81	94.38
7	Sholayar	25.15	23.45	12.64	0.87	4.24	16.34	11.61	9.95	7.22	15.11	16.99	23.54	167.11
8	Pallivasal	14.67	16.61	16.40	20.03	20.06	18.04	15.51	9.67	7.49	6.17	4.84	16.53	166.01
9	Sengulam	8.23	10.88	11.18	19.96	19.22	12.53	9.72	5.24	3.31	2.60	2.33	10.38	115.58
10	Panniar	9.26	3.95	0.05	15.23	8.53	9.68	5.23	3.63	3.33	1.63	1.09	0.57	62.17
11	Neriamangalam+NES	14.33	11.15	19.32	48.81	34.66	24.14	14.53	9.18	6.14	3.62	2.75	7.60	196.25
12	Lower Periyar	13.16	11.46	39.37	87.70	63.41	35.60	21.54	12.50	7.71	3.63	3.18	8.95	308.22
13	Kakkad	18.66	11.90	11.62	11.02	12.03	12.31	9.01	9.11	8.47	6.15	6.66	13.70	130.63
14	Kallada	5.40	6.51	3.06	6.79	9.21	5.35	0.71	0.72	0.61	0.37	2.65	2.98	44.36
15	Peppara	0.44	0.16	0.00	0.12	0.05	0.61	0.52	0.31	0.60	0.52	0.40	0.21	3.95
16	Malankara	3.08	2.27	2.59	2.80	2.43	1.84	2.35	1.47	1.12	1.21	1.26	2.31	24.74
17	Madupetty	0.55	0.79	0.20	0.00	0.00	0.00	0.05	0.01	0.00	0.03	0.06	0.60	2.30
18	Chembukadavu	0.00	0.00	1.49	2.87	2.30	1.12	0.65	0.19	0.02	0.00	0.00	0.00	8.64
19	Urumi	0.00	0.00	2.23	3.14	2.35	1.03	0.26	0.04	0.00	0.00	0.00	0.00	9.03
20	Malampuzha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.21	0.00	0.00	0.63
21	Lower Meenmutty	0.02	0.32	0.68	0.50	0.25	0.11	0.19	0.32	0.07	0.02	0.00	0.00	2.48
22	Kuttiady Tail Race	0.74	0.56	0.46	0.71	0.71	0.55	0.57	0.10	0.29	0.43	0.47	0.74	6.35
23	Poozhithode	0.00	0.01	1.65	2.96	2.94	1.97	0.65	0.16	0.08	0.03	0.00	0.00	10.45
24	Ranni-Perinad	0.42	0.49	0.80	0.81	0.77	0.58	0.39	0.35	0.30	0.22	0.21	0.50	5.85
25	Peechi	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.40

Table 17 continued

Sl. No	Stations	04/16	05/16	06/16	07/16	08/16	09/16	10/16	11/16	12/16	01/17	02/17	03/17	TOTAL
26	Vilangad	0.00	0.00	1.87	4.68	4.81	2.72	0.97	0.49	0.16	0.08	0.01	0.00	15.78
27	Chimony	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.58	0.43	0.25	0.01	1.56
28	Adyanpara	0.00	0.00	0.45	1.36	1.44	1.02	0.49	0.17	0.08	0.00	0.00	0.00	5.01
29	Barapole	0.00	0.00	0.01	1.33	4.42	6.52	4.00	1.54	0.90	0.42	0.17	0.0124	19.32
30	Vellathooval SHEP	0.00	0.00	0.00	0.41	0.89	0.49	0.32	0.21	0.14	0.11	0.09	0.3782	3.05
	Sub Total Hydro	568.45	385.97	339.57	434.33	437.53	425.28	358.74	244.60	224.12	212.88	240.05	425.15	4319.04
A	Auxiliary Consumption	2.57	2.32	2.25	2.92	2.90	2.38	2.24	1.77	2.24	1.51	1.52	2.36	26.97
	Net Hydro Generation	565.88	383.65	337.32	431.41	434.63	422.90	356.50	242.83	221.88	211.37	238.53	422.80	4292.06
B	Wind	0.12	0.16	0.17	0.21	0.26	0.24	0.13	0.05	0.08	0.12	0.11	0.07	1.71
	Auxiliary Consumption	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Net Wind Generation	0.11	0.16	0.17	0.21	0.26	0.24	0.13	0.05	0.08	0.12	0.11	0.07	1.71
C	Solar	0.12	0.08	0.10	0.04	0.19	0.32	0.47	0.41	0.73	0.75	0.86	1.12	5.20
	Auxiliary Consumption	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.03
	Net Solar Generation	0.12	0.08	0.10	0.04	0.19	0.31	0.47	0.41	0.73	0.74	0.85	1.11	5.17
D	Thermal													
1	BDPP,Brahmapuram	4.30	1.19	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	5.54
2	KDPP, Nallalam	27.98	7.30	0.00	0.22	0.35	0.00	0.50	0.47	0.37	0.00	0.07	0.75	38.01
	Sub Total Thermal	32.27	8.49	0.01	0.22	0.35	0.00	0.50	0.47	0.37	0.00	0.07	0.79	43.55
	Auxiliary Consumption	0.85	0.35	0.15	0.15	0.14	0.13	0.14	0.14	0.15	0.12	0.12	0.17	2.61
	Net Thermal Generation	31.42	8.14	-0.14	0.07	0.21	-0.13	0.36	0.32	0.22	-0.12	-0.05	0.62	40.93
	Total Internal Generation	597.54	392.03	337.45	431.74	435.29	423.32	357.46	243.62	222.91	212.11	239.45	424.60	4317.51
	Auxiliary Consumption of Substations	1.35	1.34	1.30	1.13	1.20	1.18	1.23	1.19	1.24	1.19	1.19	1.29	14.84
E	Total Internal Generation (excl. aux. cons.)	596.19	390.69	336.15	430.61	434.09	422.14	356.22	242.43	221.68	210.92	238.25	423.31	4325.04
F	Central Generating Stations at Kerala periphery	904.68	913.31	779.98	799.80	818.03	821.50	845.81	801.42	847.16	906.35	850.40	917.37	10205.80
G	IPPs													
	RGCCPP (NPTC Kayamkulam)	14.30	-0.79	-0.65	-0.63	-0.68	-0.71	-0.72	-0.65	-0.66	-0.72	-0.63	-0.70	6.77
	Wind	4.11	6.80	13.02	13.87	17.29	13.76	7.44	2.23	3.50	3.45	3.76	3.09	92.32
	Ullunkal	1.40	1.08	1.68	1.76	1.51	1.17	0.84	0.89	0.68	0.42	0.44	1.11	12.98
	Iruttukkanam I & II	0.29	0.47	2.93	4.17	4.16	3.49	2.02	0.99	0.60	0.31	0.17	0.40	19.98

Table 17 continued

Sl. No	Stations	04/16	05/16	06/16	07/16	08/16	09/16	10/16	11/16	12/16	01/17	02/17	03/17	TOTAL
	Karikkayam	2.09	1.83	3.05	3.34	2.56	1.85	1.30	1.41	1.01	0.62	0.71	2.04	21.80
	Meenvallom	0.06	0.08	0.72	1.86	1.04	0.72	0.52	0.46	0.22	0.12	0.08	0.10	5.98
	Kallar													0.03
	Mankulam Grama (No Suggestions)													0.08
	Injection to grid by PCBL for open access	0.01	-0.02	0.02	-0.01	-0.02	0.07	0.08	0.20	0.15	0.21	-0.36	0.07	0.41
	Sub Total IPPs	22.27	9.47	20.77	24.36	25.85	20.35	11.47	5.53	5.51	4.41	4.18	6.11	160.36
	Hydro Captive Power Plants (Net injection)													
	Maniyar	1.49	0.14	2.88	1.97	-0.33	1.30	-1.74	-0.39	0.89	0.55	0.52	-0.66	6.62
	Kuthungal	0.96	-0.09	-0.35	0.28	0.38	0.25	0.39	0.31	-0.01	-0.15	-0.11	-0.10	1.76
	Sub total	2.45	0.06	2.53	2.25	0.05	1.55	-1.35	-0.08	0.88	0.40	0.41	-0.76	8.37
	Solar IPPs													
	Hindalco	0.15	0.13	0.09	0.12	0.14	0.14	0.14	0.13	0.14	0.15	0.13	0.16	1.61
	Anert, Kuzhalmandam	0.00	Deviation in	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.26	0.28	0.28	0.93
	Ambalathara -Solar Park IPP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	1.72	2.50	3.12	7.55
	Sub total	0.15	0.13	0.09	0.12	0.14	0.14	0.14	0.13	0.46	2.13	2.91	3.56	10.09
H	Sub total IPPs/CPPs	24.87	9.65	23.39	26.72	26.04	22.04	10.26	5.58	6.84	6.94	7.49	8.91	178.83
	Power purchase through traders (KSEB bus)													
	Power purchase through exchanges	64.79	57.78	2.40	0.00	1.31	8.04	63.06	111.12	99.25	71.46	49.25	73.46	601.93
	Power purchase through MTOA & STOA	461.03	479.76	202.22	177.33	254.01	261.69	249.06	273.21	261.20	267.63	233.62	191.02	3311.78
	Power purchase through LTOA	151.95	177.73	355.45	368.71	354.98	267.31	350.28	372.59	385.17	381.25	392.95	446.08	4004.45
	Swap Return	0.31	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.10	6.68
	Deviation settlement mechanism(Net)	63.03	60.73	49.81	43.06	31.02	34.41	73.60	89.97	86.52	80.31	62.68	65.58	740.70
I	Sub Total Power Purchase excluding PGCIL losses	741.11	776.28	609.87	589.10	641.32	571.45	735.99	846.89	832.13	800.65	738.50	782.24	8665.54

Table 17 continued

Sl. No	Stations	04/16	05/16	06/16	07/16	08/16	09/16	10/16	11/16	12/16	01/17	02/17	03/17	TOTAL
J	Total power purchase (F+H+I)	1670.65	1699.23	1413.25	1415.63	1485.38	1414.98	1592.06	1653.89	1686.13	1713.94	1596.39	1708.52	19050.16
K	Net Generation & Purchase at Kerala Periphery	2266.84	2089.92	1749.40	1846.23	1919.48	1837.12	1948.28	1896.32	1907.81	1924.86	1834.65	2131.83	23375.20
L	Energy injected by private developers at Generator end for sale outside state through open access	3.95	4.05	4.03	4.02	3.79	3.75	4.05	3.66	3.90	3.62	2.47	3.79	45.08
M	Energy purchased by consumers through open access at Kerala periphery	11.33	31.90	38.80	37.42	35.75	38.06	39.63	36.62	39.65	44.79	40.20	41.45	435.60
N	Energy sale outside the State by KSEBL	0.07	0.00	9.47	37.12	2.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-49.30
O	Energy injected by private developers at Kerala periphery for sale outside state through open access	-3.78	-3.87	-3.85	-3.84	-3.62	-3.58	-3.87	-3.50	-3.73	-3.46	-2.36	-3.62	-43.06
P	Net energy available for sale (K+L+M+N+O)	2278.41	2122.01	1797.85	1920.95	1958.04	1875.35	1988.09	1933.10	1947.63	1969.81	1874.96	2173.45	23763.53
Q	Energy purchased by consumers through open access at consumer end	10.79	30.38	36.92	35.59	34.00	36.21	37.74	34.87	37.75	42.67	38.29	39.46	414.66
R	Energy sale inside the state by KSEBL	1890.16	1770.29	1650.52	1567.17	1674.54	1619.98	1641.48	1539.37	1667.91	1643.73	1599.57	1773.52	20038.25
S	Energy sale with in the state including open access transactions (Q+R)	1900.95	1800.67	1687.44	1602.76	1708.55	1656.18	1679.22	1574.25	1705.65	1686.40	1637.86	1812.98	20452.91
T	Loss in KSEBL system (P-S)	377.46	321.34	110.40	318.19	249.49	219.17	308.87	358.85	241.98	283.42	237.10	360.47	3386.76

TABLE 18

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2017-18

(in Million Units)

Sl. No	Stations	04/17	05/17	06/17	07/17	08/17	09/17	10/17	11/17	12/17	01/18	02/18	03/18	TOTAL
A	KSEBL Internal Generation													
1	Kuttiady	48.82	37.36	34.86	69.85	61.59	88.6	74.75	42.59	31.01	26	37.92	47.02	600.37
2	Sholayar	21.91	17.09	6.48	0.4	0.02	16.16	25.76	24.33	25.17	24.75	19.06	23.11	204.25
3	Poringalkuthu + PLBE	11.82	10.72	15.61	31.24	32.43	31.64	28.87	20.54	15.21	13.19	10.29	12.14	233.7
4	Pallivasal	14.78	17.24	13.93	18.26	19.19	18.99	19.86	13.1	13.59	12.75	11.37	15.39	188.45
5	Sengulam	9.22	10.53	10.06	14.92	20.33	19.72	19.66	11.04	9.97	8.15	7.55	3.76	144.91
6	Panniar	4.86	4.56	3.61	3.6	9.28	22.5	21.57	16.71	13.79	2.57	7.03	19.58	129.65
7	Neriamangalam+NES	10.17	10.98	20.15	24.4	48.06	52.72	47.54	29.29	22.96	8.59	11.03	22.38	308.28
8	Idamalar	29.1	22.72	15.58	9.49	8.27	24.9	20.25	16.45	18.58	26.57	22.17	42.52	256.6
9	Idukki	205.73	158.37	82.65	88.05	80.33	103.44	110.71	96.85	110.3	152.4	175.35	244.94	1609.11
10	Sabarigiri	116.77	91.46	47.59	66.74	50.57	78.12	68.22	69.41	84.7	70.13	58.61	145.01	947.34
11	Kallada	2.4	0.32	0	0.36	0.29	2.16	5.6	5.19	5.84	1.54	2.35	6.5	32.55
12	Peppara	0.18	0	0.02	0.29	0.23	0.7	1.46	1.22	0.54	0.45	0.1	0.1	5.29
13	Madupetty	0.5	0.55	0.12	0.01	0	0	0	0	0.15	0.28	0.94	0.6	3.15
14	Kakkad	16.41	13.74	10.18	11.75	13.79	17.5	11.7	10.76	12.34	10.54	8.95	22.33	159.97
15	Lower Periyar	10.16	11.67	36.8	44.29	105.67	105.65	74.44	45.05	28.44	11.79	12.39	21.66	508.01
16	Malampuzha	0	0	0	0	0	0	0	0.27	0.53	0.51	0	0	1.31
17	Chembukadavu I & II	0	0	1.58	2.73	2.74	2.03	1.3	0.26	0.01	0	0	0	10.64
18	Urumi	0	0	1.55	2.8	3.09	2.39	1.33	0.17	0.01	0	0	0	11.34
19	Malankara	2.85	2.41	2.37	2.52	2.99	3.12	2.79	2.22	1.95	2.19	2.4	3.35	31.17
20	Lower Meenmutty	0	0.17	0.54	0.26	0.44	1.11	0.9	0.84	0.58	0.12	0.05	0.03	5.04

Table 18 Continued

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2017-18

(in Million Units)

Sl. No	Stations	04/17	05/17	06/17	07/17	08/17	09/17	10/17	11/17	12/17	01/18	02/18	03/18	TOTAL
21	Kuttiady Tail Race	0.83	0.61	0.49	0.93	0.87	0.98	0.86	0.68	0.42	0.42	0.51	0.66	8.26
22	Poozhithode	0	0.01	1.92	2.79	3.04	1.99	1.55	0.21	0.1	0.04	0	0	11.64
23	Ranni-Perinad	0.51	0.48	0.36	0.69	0.82	0.83	0.7	0.59	0.41	0.22	0.13	0.58	6.31
24	Peechi	0	0	0	0	0	0	0	0	0.52	0.17	0.21	0.22	1.13
25	Vilangad	0	0.04	1.97	4.29	4.6	2.49	1.39	0.36	0.14	0.04	0	0	15.32
26	Chimony	0	0	0	0	0	0	0	0	0.4	1.32	0.97	0.72	3.41
27	Adyanpara	0	0.01	0.34	0.65	1.57	0.74	0	0.27	0.11	0.03	0	0	3.74
28	Barapole	0.01	0.01	3.11	8.65	9.8	9.36	5.88	1.91	1.04	0.37	0.11	0.03	40.29
29	Vellathooval SHEP	0.34	0.33	0.31	0.53	1.21	1.09	0.52	0.13	0.07	0	0	0	4.53
30	Perunthenaruvi	0	0	0	0	0	0	0	1.88	0.92	0.14	0.16	0.03	3.14
31	Poringalkuthu Micro	0.01	0	0.01	0.01	0.01	0	0	0.01	0	0	0.01	0.01	0.05
Ia	KSEBL Hydro Gross	507.38	411.39	312.19	410.49	481.23	608.91	547.61	412.32	399.8	375.28	389.66	632.69	5488.94
	Auxiliary Consumption (Hydro Generating station)	2.43	2.43	2.04	2.56	3.02	3.21	3.15	2.24	2.28	2.15	2.03	2.39	29.95
Ib	KSEBL Net Hydro	504.95	408.96	310.15	407.92	478.21	605.7	544.45	410.08	397.52	373.13	387.63	630.3	5458.99
Ila	KSEBL Wind													
1	Kanjikode	0.17	0.17	0.16	0.19	0.16	0.09	0.08	0.06	0.1	0.09	0.12	0.09	1.48
	Auxiliary consumption wind	0	0	0	0	0	0	0	0	0	0	0	0	0
Ilb	Net Generation wind (KSEBL)	0.17	0.17	0.16	0.19	0.16	0.09	0.08	0.06	0.1	0.09	0.12	0.09	1.48
IIla	KSEBL Solar													
1	Total solar	1.17	1.04	0.78	0.87	0.85	0.93	1.10	1.12	1.69	1.22	1.25	1.43	13.45

Table 18 Continued

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2017-18

(in Million Units)

Sl. No	Stations	04/17	05/17	06/17	07/17	08/17	09/17	10/17	11/17	12/17	01/18	02/18	03/18	TOTAL
	Auxiliary Consumption Solar	0	0	0	0	0	0	0	0	0	0	0	0	0
IIIb	KSEBL Net Solar	1.17	1.04	0.78	0.87	0.85	0.93	1.10	1.12	1.69	1.22	1.25	1.43	13.45
IV a	KSEBL Thermal													
1	BDPP,Brahmapuram	0	0	0	0	0.31	0	0	0	0	0	0	0.15	0.46
2	KDPP, Nallalam	0.13	0.18	0	0	0.09	0	0	0	0	0	0.09	0.92	1.4
	Auxiliary Thermal	0.13	0.12	0.1	0.11	0.13	0.1	0.11	0.11	0.1	0.11	0.09	0.12	1.31
IVb	KSEBL Net Thermal Generation	0	0.06	-0.1	-0.11	0.28	-0.1	-0.11	-0.11	-0.1	-0.11	0	0.95	0.55
A	Net Generation- KSEBL (Ib+IIb+IIIb+IVb)	506.29	410.23	310.99	408.87	479.50	606.62	545.52	411.15	399.21	374.33	389.00	632.77	5474.48
B	Power Purchase													
Va	Central Generating Stations at Kerala periphery (KSEB end)													
1	RSTPS (Unit 1 to 6)	136.64	151.81	133.03	158.57	166.71	145.99	154.46	142.72	126.47	96.19	138.3	156.01	1706.9
2	RSTPS (Unit 7)	39.52	41.02	33.38	37.37	39.15	37.4	40.87	38.7	38.65	31.36	31.09	40.88	449.39
3	EASTERN REGION	0	0	0	0	0	0	0	0	0	0	0	0	0
4	IGSTPS(JHAJJAR)	0	0	0	0	0	0	0	0	0	0	0	0	0
5	TALCHER STAGE II	253.35	242.69	254.65	242.1	213.59	225.74	238.66	264.18	283.64	279.63	246.77	284.52	3029.52
6	Simhadri TPS Stage II	43.83	62.38	53.09	60.24	50.3	24.97	34.14	47.49	52.15	54.8	49.62	52.23	585.24
7	Kudgi STPS	0	0	0	0	29.36	18.19	19.35	17.81	17.91	19.03	33.88	47.15	202.68
8	NLC II STAGE 1	38.71	47.64	31.41	32.08	47.16	30.65	31.64	22.69	23.76	25.56	29.73	40.84	401.85
9	NLC II STAGE 2	55.29	61.42	36.42	59.53	48.91	53.43	51.11	47.97	48.64	47.26	43.75	59.33	613.06

Table 18 Continued

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2017-18

(in Million Units)

Sl. No	Stations	04/17	05/17	06/17	07/17	08/17	09/17	10/17	11/17	12/17	01/18	02/18	03/18	TOTAL
10	NLC I EXPANSION	42.4	25.62	36.75	43	42.56	40.13	42.92	37.78	34.63	27.75	35.97	43.48	452.98
11	NLC II EXPANSION	35.16	26.34	28.82	28.99	12.08	24.27	20.93	30.85	13.07	35.14	19.94	16.21	291.81
12	NTPL	44.08	40.9	23.28	47.47	49.9	16.87	28.54	37.89	39.27	28.45	34.58	47.49	438.71
13	VALLUR STPS	30.49	33.02	20.66	24.94	23.01	16.02	17.24	20.23	20.49	16.28	15.61	24.74	262.73
14	MAPS	5.22	6.48	9.18	12.73	13.67	13.48	13.93	13.31	14.53	10.07	6.06	6.66	125.32
15	KAPS I & II	20.93	24.43	23.84	24.82	24.79	23.96	24.73	24.08	24.94	24.97	22.41	24.81	288.72
16	KAPS III& IV	22.26	22.83	22.27	23.21	23.23	22.48	23.15	20.42	11.15	20.81	20.99	23.11	255.92
17	KKNPP	27.59	0	0	0	0	74.58	61.2	88.73	52.33	77.64	84.26	78.22	544.56
18	KKNPP unit 2	53.88	37.24	77.45	89.18	7.33	0	0	10.24	84.96	89.43	51.88	0	501.59
Vb	TOTAL CGS	849.35	823.82	784.22	884.22	791.76	768.15	802.86	865.1	886.61	884.35	864.85	945.69	10150.98
VI.a	Thermal IPPs/Co-Gen													
1	RGCCPP actual Gen	0	0	0	0	4.05	0	0	0	0	0	0	0	4.05
2	BSES	0	19.47	42.65	0	0	0	0	0	0	0	0	0	62.12
3	MPS Steel(Co-Gen Plant)Net injection to Grid	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PCBL (Co-Gen Plant)Net injection to grid	0.13	0.19	0.2	0.15	0.21	0.12	0.18	0.17	0.18	0.22	0.18	0.2	2.14
VI.b	Thermal IPPs /Co-Gen total	0.13	19.66	42.85	0.15	4.26	0.12	0.18	0.17	0.18	0.22	0.18	0.2	68.31

Table 18 Continued

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2017-18

(in Million Units)

Sl. No	Stations	04/17	05/17	06/17	07/17	08/17	09/17	10/17	11/17	12/17	01/18	02/18	03/18	TOTAL
VIIa	IPPs-Small hydro(net)													
1	Ullunkal (EDCL)	1.32	1.15	1.36	1.34	2.31	2.49	1.73	1.49	1.17	0.81	0.68	1.92	17.79
2	Iruttukanam(VIYYAT)	0.24	0.37	2.14	4.08	4.22	4.06	3.97	2.93	1.35	0.61	0.4	0.32	24.69
3	Kaarikkayam (AHPL)	2.42	2.24	3.32	3	5.4	6.46	3.71	2.87	2.07	1.43	1.22	3.42	37.56
4	Meenvallam (PSHCL)	0.06	0.08	0.61	1.03	1.78	1.77	1.99	0.5	0.31	0.16	0.11	0.04	8.44
5	Pathankayam (MREPPL)	0	0	0	2	3.73	2.74	2.03	0.46	0.12	0	0	0	11.09
6	Mankulam GP	0	0.09	0	0	0	0	0	0	0	0	0	0	0.09
7	Kallar	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.08
VIIb	IPPs-Small hydro Total	4.04	3.93	7.43	11.45	17.44	17.53	13.44	8.26	5.03	3.02	2.43	5.71	99.74
VIIIa	Captive Power plants													
1	Maniyar IPP hydel net	-2.72	-4.44	-0.09	-0.65	0.49	-1.3	-4.12	0.32	0.14	0.08	0.04	0.27	-11.98
2	Kuthungal IPP hydel net	1.06	-0.87	0.1	0.06	0.52	1.56	0.01	0.27	0.91	0.27	0.11	0.65	4.65
VIIIb	CPP -Total	-1.66	-5.31	0.01	-0.59	1.01	0.26	-4.11	0.59	1.05	0.35	0.15	0.92	-7.33
IX.a	Wind IPPs													
1	Ramakkalmedu, Wind	1.05	2	5.39	5.71	4.17	2.69	1.41	0.89	1.43	1	1.2	0.95	27.87
2	Agali, Wind	2.68	3.46	6.79	5.49	4.86	3.26	0.78	0.38	0.53	0.25	0.31	0.96	29.72
3	Koundikkal	1.01	1.21	2.26	1.85	1.51	1.15	2.27	0.2	0.36	0.16	0.2	0.38	12.56
4	Ahalya Wind	2.23	2.43	2.36	2.75	2.5	1.63	1.49	0.92	1.21	1.01	1.22	1.22	20.98
5	INOX	4.03	0	0	0	0.81	1.74	1.71	1.27	1.75	1.61	1.86	1.55	16.33

Table 18 Continued

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2017-18

(in Million Units)

Sl. No	Stations	04/17	05/17	06/17	07/17	08/17	09/17	10/17	11/17	12/17	01/18	02/18	03/18	TOTAL
6	Kosamattam	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01
IX.b	Wind IPPs Total	11	9.1	16.8	15.8	13.85	10.47	7.66	3.66	5.28	4.03	4.79	5.07	107.47
Xa	Solar IPPs /Prosumer													
1	Anert, Kuzhalmandam	0.25	0.24	0.18	0.19	0.18	0.22	0.23	0.22	0.25	0.33	0.23	0.28	2.79
2	Ambalathara -Solar Park IPP	3.76	4.25	1.62	2.16	1.63	3.27	4.95	4.46	5.88	5.8	4.95	6.97	49.69
3	CIAL net injection-solar prosumer	0.22	0.16	0.03	0.06	0.17	0.28	0.27	0.18	0.05	0.36	0.66	0.17	2.6
4	Grid connected consumers net injection	0.13	0.11	0.08	0.09	0.09	0.10	0.12	0.12	0.18	0.13	0.14	0.15	1.46
Xb	Solar IPPs Total	4.36	4.76	1.91	2.50	2.07	3.87	5.57	4.98	6.36	6.62	5.98	7.57	56.54
	Total IPPS, CPP and Co-gen (VIb+VIIb+VIIIb+IXb+Xb)	17.87	32.14	69.00	29.31	38.63	32.25	22.74	17.66	17.90	14.24	13.53	19.47	324.73
	Traders													
XI.a	LTOA contracts													
1	Maithon I	87.19	93.50	93.77	95.25	101.08	98.04	81.92	45.01	50.88	91.14	89.34	95.14	1022.25
2	Maithon-II	74.99	93.51	93.77	95.25	101.08	98.04	81.92	45.01	50.88	91.03	89.35	95.15	1009.96
3	DVC Mejia	65.92	59.09	62.11	43.94	34.32	30.27	22.53	28.25	34.34	42.74	57.41	64.51	545.43
4	DVC RTPS	5.96	33.03	14.12	11.40	9.96	8.70	1.68	9.42	10.18	7.96	8.30	8.49	129.20
5	Jindal-I	123.58	125.43	124.30	130.98	114.43	115.33	116.73	126.91	128.74	123.44	101.58	68.62	1400.07
6	Jhabua-I	74.64	76.05	75.65	56.05	54.50	39.44	37.06	58.92	73.09	77.76	52.54	62.11	737.79
7	Balco	0.00	0.00	0.00	0.00	0.00	0.00	54.77	65.75	55.37	59.54	53.17	27.89	316.49
8	Jindal-II	0.00	0.00	0.00	0.00	0.00	0.00	91.32	95.18	94.09	92.51	76.07	53.38	502.57
9	Jhabua-II	0.00	0.00	0.00	0.00	0.00	0.00	22.06	50.16	44.33	67.62	45.77	54.04	283.97

Table 18 Continued

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2017-18

(in Million Units)

Sl. No	Stations	04/17	05/17	06/17	07/17	08/17	09/17	10/17	11/17	12/17	01/18	02/18	03/18	TOTAL
10	JITPL	0.00	0.00	0.00	0.00	0.00	0.00	68.80	63.29	68.18	68.08	57.41	64.25	390.01
XI.b	Sub Total LTOA	432.27	480.61	463.72	432.87	415.36	389.80	578.79	587.88	610.08	721.82	630.95	593.58	6337.72
XII.a	Short Term Contracts													
1	PTC-Jindal	135.11	140.58	136.6	0	0	0	0	0	0	0	0	0	412.28
2	Tata-JITPL	72.99	73.56	0	0	0	0	0	0	0	0	0	0	146.55
XII.b	Sub Total STO A	208.1	214.13	136.6	0	0	0	0	0	0	0	0	0	558.83
	Power Exchanges													
XII.a	TAM													
1	IEX	0	6.99	0	0	2	1.39	0	0.41	0	0	0.21	0	11.00
2	PXIL	0.19	0	0	3.81	10.86	0.85	0	0	0	0	0	2.25	17.96
XII.b	TAM Sub Total	0.19	6.99	0	3.81	12.86	2.24	0	0.41	0	0	0.21	2.25	28.96
XIII.a	DAM													
1	IEX	90.88	114.14	35.45	86.41	141.47	47.52	13.66	0.61	1.62	0	0.02	11.29	543.07
2	PXIL	25.09	3.51	2.3	3.98	33.47	0.85	0	0	0	0	0	0	69.2
XIII.b	DAM Sub Total	115.97	117.65	37.75	90.39	174.94	48.37	13.66	0.61	1.62	0	0.02	11.29	612.27
XIV	KPTCL-Overarching	0	0	0	0	0	0	0	0	0	0	0.37	0.78	1.15
XV	GMRETL-Swap	0	0	0	0	0	0	0	26.5	27.33	27.27	24.58	27.22	132.9
XVI	Deviation Settlement Mechanism (Net)	64.08	62.08	52.93	56.89	67.18	50.51	41.57	40.9	35.99	19.81	32.64	45.07	569.7
B	Total Power Purchase at Kerala Periphery ((Sum(Vb to XIIIb)+XIV +XV+XVI)	1687.82	1737.42	1544.22	1497.49	1500.73	1291.32	1459.62	1539.06	1579.54	1667.49	1567.14	1645.36	18717.22

Table 18 Continued

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2017-18

(in Million Units)

Sl. No	Stations	04/17	05/17	06/17	07/17	08/17	09/17	10/17	11/17	12/17	01/18	02/18	03/18	TOTAL
C	Total KSEBL Generation & Power Purchase (A+B)	2194.12	2147.66	1855.21	1906.36	1980.23	1897.94	2005.15	1950.21	1978.74	2041.82	1956.14	2278.12	24191.70
D	Substation Auxiliary consumption	1.37	1.28	1.1	1.11	1.11	1.13	1.16	1.18	1.16	1.14	1.1	1.28	14.12
E	Net Generation and Power Purchase (C-D)	2192.75	2146.38	1854.11	1905.25	1979.12	1896.81	2003.99	1949.03	1977.58	2040.68	1955.04	2276.84	24177.57
F	Energy injected by private developers at Generator end for sale outside the state through open access	3.75	3.73	3.77	4.14	4.13	4.12	2.52	3.92	4.10	3.62	3.43	3.91	45.15
G	Energy purchased by consumers through open access at Kerala periphery	29.76	26.59	34.35	40.54	29.31	12.06	12.68	14.69	28.89	24.03	19.98	12.08	284.96
	Out side State Sale by KSEBL													
a	IEX Sale - DAM(Kerala Periphery)	0.00	0.00	-0.37	-0.20	0.00	-0.06	-18.68	-0.97	-8.40	-36.85	-33.84	-17.12	-116.49
b	PXIL sale TAM (Kerala Periphery)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.23	-0.79	0.00	-1.02
c	Total Sale outside the state(a+b)	0.00	0.00	-0.37	-0.20	0.00	-0.06	-18.68	-0.97	-8.40	-37.08	-34.63	-17.12	-117.51
d	GMRETL-Swap sale	0.00	0.00	0.00	-6.06	0.00	-0.24	0.00	0.00	0.00	0.00	0.00	0.00	-6.31

Table 18 Continued

STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2017-18

(in Million Units)

Sl. No	Stations	04/17	05/17	06/17	07/17	08/17	09/17	10/17	11/17	12/17	01/18	02/18	03/18	TOTAL
H	Energy sale outside the State by KSEBL and Swap return(c+d)	0.00	0.00	-0.37	-6.27	0.00	-0.30	-18.68	-0.97	-8.40	-37.08	-34.63	-17.12	-123.82
I	Energy injected by private developers at Kerala periphery for sale outside state through open access	-3.58	-3.56	-3.60	-3.95	-3.90	-3.93	-2.41	-3.75	-3.92	-3.46	-3.27	-3.73	-43.07
J	Net energy available for sale inside the state (E+F+G+H+I)	2222.68	2173.14	1888.26	1939.72	2008.66	1908.76	1998.10	1962.92	1998.25	2027.79	1940.54	2271.98	24340.79
K	Energy purchased by consumers through open access at consumer end	28.31	25.3	32.67	38.5	27.15	11.44	12.02	13.93	27.38	22.79	18.94	11.44	269.86
L	Energy sale inside the state by KSEBL	1846.04	1790.38	1666.44	1640.51	1742.87	1697.51	1684.21	1711.31	1715.71	1749.25	1729.32	1907.15	20880.70
M	Energy given to RGCCPP for meeting auxiliary consumption during non operational period													8.63
N	Energy sale with in the state including open access and aux power to RGCCPP . (K+L+M)	1874.35	1815.68	1699.11	1679.01	1770.02	1708.95	1696.23	1725.24	1743.09	1772.04	1748.26	1918.59	21159.19
O	Loss in KSEBL system (J-N)	348.33	357.46	189.16	260.71	238.64	199.80	301.86	237.68	255.16	255.76	192.28	353.39	3181.61

TABLE-19

ANNUAL GENERATION FROM RENEWABLE SOURCES

Sl. No.	Stations	Installed capacity (MW)	Annual Generation in MU								
			2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
I	Small Hydro (KSEB)										
1	Kallada	15	60.42	72.25	65.63	25.54	67.55	68.99	44.81	44.36	36.56
2	Peppara	3	6.05	9.75	8.20	3.69	7.63	5.13	4.71	3.94	5.77
3	Malankara	10.5	32.46	36.90	31.94	26.69	30.38	34.15	32.43	24.74	29.49
4	Madupetty	2	1.91	2.28	1.22	2.49	5.75	3.57	4.29	3.94	2.55
5	Chembukadavu	6.45	8.46	13.54	11.99	9.52	12.42	10.95	9.04	8.64	10.65
6	Urumi	6.15	11.58	15.94	13.27	10.79	13.67	12.98	9.30	9.03	11.20
7	Malampuzha	2.5	0.00	0	2.77	1.94	4.96	5.19	2.03	0.634	1.95
8	Lower Meenmutty	3.5	3.43	7.20	4.86	8.01	5.62	4.74	5.56	2.481	6.08
9	Kuttiyadi Tailrace	3.75	4.62	4.35	8.57	8.00	7.96	7.92	8.05	6.349	8.00
10	Poringalkuthu LBE	16	108.82	120.69	102.15	99.86	114.03	107.45	106.43	94.37	124.73
11	Neriamangalam Extension	25	92.60	95.48	63.03	94.52	143.66	120.20	133.33	102.08	158.60
12	Poozhithode	4.8	--	--	9.36	10.67	12.10	11.33	8.62	10.44	11.78
13	Ranni Perinad	4	--	--	0.21	6.15	9.52	7.35	7.66	5.85	6.32
14	Peechi	1.25	--	--	--	0.26	3.29	1.92	1.43	0.4	1.78
15	Vilangad	7.5	--	--	--	--	--	0.45	12.75	15.77	15.56
16	Chimmony	2.5	--	--	--	--	--	--	4.59	1.55	2.09
17	Adyanpara	3.5	--	--	--	--	--	--	2.36	5.01	3.88
18	Barapole	15	--	--	--	--	--	--	0.0008	19.32	42.69
19	Vellathooval	3.6								3.05	4.69
20	Poringalkuthu Micro	0.11									0.05
21	Perunthenaruvi	6									3.12
II	Small Hydro (CPP)										
1	Maniyar	12	33.79	41.24	36.91	21.49	39.72	33.93	30.3	1.66	28.67
2	Kuthungal	21	34.25	47.05	44.16	22.95	42.48	45.26	49.31	14.03	37.13
III	Small Hydro (IPP)										
1	Ullunkal	7	19.83	24.29	23.16	14.37	23.62	20.80	18.26	13.1	15.03
2	Iruttukkanam	4.5	--	8.87	17.62	18.56	23.06	23.18	24.83	20.08	24.83
3	Kaarikkayam	10.5	--	--	--	--	17.18	27.17	26.99	21.93	37.14
4	Meenvallom	3	--	--	--	--	--	2.37	5.56	5.99	10.48
5	Kallar										0.08
6	Pathankayam	8									11.40
IV	Wind (KSEB)										
1	Kanjikode	2.025	1.84	1.51	2.03	1.76	1.80	1.06	1.38	1.71	1.41
V	Wind (IPP)										
1	Ramakalmedu	14.25	32.54	29.39	31.27	30.91	33.21	26.73	23.65	28.75	29.01
2	Agali	18.6	35.07	33.48	35.71	38.06	40.86	40.41	23.79	46.47	31.07
3	Ahalia Alternate Energy Ltd	8.4	--	--	--	--	--	--	0.00	17.39	21.07
4	INOX	16									12.31
	Total Non Solar	267.39	487.66	564.21	514.07	456.24	660.49	623.23	601.44	533.06	747.16

Table 19 continued

Sl. No.	Stations	Installed capacity (MW)	Annual Generation in MU								
			2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
VI	Solar (KSEB)										
1	Kanjikode	1	-	-	-	-	-	-	0.81	0.87	1.13
2	Chaliyoor Colony, Agali	0.096		-	-	-	-	-	0.05		0.07
3	Poringalkuthu Powerhouse	0.05	-	-	-	-	-	-	0.04		0.06
4	Floating solar RT-Banasurasagar	0.01									0.01
5	Meencut RT	0.03									0.01
6	Kothamangalam RT	0.13									0.14
7	Moolamattom RT	0.05									0.05
8	Thrissur RT	0.35									0.31
9	Kollengode	1									1.47
10	Padinjarethara DT	0.44									0.50
11	Moozhiyar RT	0.13									0.54
12	Edayar Substation Premise	1.25									1.65
13	Barapole Canal Bank	1									1.02
14	Barapole Canal Top	3									2.68
15	KDPP,Kozhikode	0.035									0.04
16	Thalakulathoor	0.65									0.88
17	Vydyuthi bhavan RT	0.03									0.04
18	Manjeswaram	0.5									0.65
19	Moovattupuzha	1.25									0.39
20	Pothencode	2									0.48
VI	Solar (IPP)										
1	Cochin International Airport Ltd	30.00							11.42	10.99	33.29
3	Anert, Kuzhalmandam	2.00								0.93	2.79
4	Ambalathara -Solar Park	50.00								7.55	49.62
5	Net Metered Solar Prosumer	15.45									25.72
6	IPDS project under progress										1.31
7	Solar Off Grid with Gen Based Incentives										0.80
	Total Solar	110.43	0.00	0.00	0.00	0.00	0.00	0.00	12.32	20.34	125.63
	Total	377.82	487.66	564.21	514.07	456.24	660.49	623.23	613.76	553.41	872.79
2017-18 RPO achievement:- Non-solar- 4.84%(Target -6%) ; Solar - 0.81%(Target-1.5%)											

TABLE 20

GENERATION, PURCHASE, SALES AND LOSSES

Sl. No.	Year	Total internal Generation excluding auxillary consumption (MU)	Power purchase (CGS, IPPs, Traders) (MU)	External PGCIL Line Losses (MU)	Net generation & purchase (MU)	Energy injected at gen.end by open access consumers for sale outside state (MU)	Energy purchased by open access consumers at Kerala periphery (MU)	Energy Sale by KSEBL to outside State (MU)	Swap Return(MU)	Energy injected at Kerala periphery by CPPs for sale outside state (MU)	Energy available for sale within the State (MU)	Energy purchased by consumers through open access at consumer end (MU)	Energy sale inside the state by KSEBL (MU)	Energy sale with in the state including sale by open access consumers (MU)	T&D loss within Kerala system		AT&C Loss (%)
															(MU)	(%)	
		(1)	(2)	(3)	(4)= (1) +(2)- (3)	(5)	(6)	(7)	(7a)	(8)	(9)=(4+5+6-7-7a-8)	(10)	(11)	(12)=(10 +11)	(13)=(9-12)	14=(13/9)%	15
1	1997-98	5158.48	4236.92		9395.40			0.73			9394.67		7715.50	7715.50	1679.17	17.87	
2	1998-99	7569.05	3595.56		11164.61			0.00			11164.61		9183.00	9183.00	1981.61	17.75	
3	1999-00	7605.94	4275.04		11880.98			0.00			11880.98		9813.00	9813.00	2067.98	17.41	
4	2000-01	6921.00	5543.00		12464.00			0.00			12464.00		10319.00	10319.00	2145.00	17.21	
5	2001-02	7085.73	5699.54	255.06	12530.21			11.90			12518.31		8667.31	8667.31	3851.00	30.76	
6	2002-03	5420.34	7330.80	238.81	12512.33			121.20			12391.13		8752.10	8752.10	3639.03	29.37	
7	2003-04	4439.96	8015.41	174.50	12280.87			0.00			12280.87		8910.84	8910.84	3370.03	27.44	30.34
8	2004-05	6328.98	6390.79	214.93	12504.84			0.00			12504.84		9384.40	9384.40	3120.44	24.95	27.67
9	2005-06	7554.08	6700.50	287.64	13966.94			635.91			13331.03		10269.80	10269.80	3061.23	22.96	23.90
10	2006-07	7695.11	8149.84	370.10	15474.85			1046.89			14427.96		11331.00	11331.00	3096.96	21.46	22.29
11	2007-08	8647.69	8074.62	310.40	16411.91			1346.76			15065.15		12049.85	12049.85	3015.30	20.02	21.68
12	2008-09	6440.44	9628.87	312.57	15756.74			463.33			15293.41		12414.32	12414.32	2879.09	18.83	21.09
13	2009-10	7189.51	10204.21	357.53	17036.19			53.90			16982.29		13971.09	13971.09	3011.20	17.73	19.62
14	2010-11	7359.97	10512.27	401.73	17470.51			130.24			17340.27		14547.90	14547.90	2792.37	16.10	17.63
15	2011-12	8289.91	11263.21	413.21	19139.90			201.10			18938.80		15980.53	15980.53	2958.27	15.62	17.28
16	2012-13	5334.27	14908.82	364.96	19878.13	0	0.05	0.97		0.00	19877.21	0.05	16838.24	16838.29	3038.92	15.29	16.25
17	2013-14	8163.03	14070.42	293.69	21939.76	0	17.33	1414.60		0.00	20542.49	16.81	17454.05	17470.86	3071.63	14.95	16.14
18	2014-15	7286.90	15031.71	393.00	21925.61	26.41	4.66	358.09		25.43	21573.16	4.46	18426.27	18430.73	3142.43	14.57	15.75
19	2015-16	6739.25	16448.36	550.6	22637.01	40.44	142.00	53.48		38.63	22727.34	135.25	19325.07	19460.32	3267.02	14.37	15.71
20	2016-17	4325.08	19734.93	684.75	23375.26	45.08	435.60	49.30		43.06	23763.58	414.66	20038.25	20452.91	3310.67	13.93	16.26
21	2017-18	5460.34	19426.74	709.51	24177.57	45.15	284.96	117.51	6.31	43.07	24340.79	269.86	20880.70	21159.19	3181.60	13.07	15.60

Column 12 value includes auxiliary supply to RGCCVY.8.63 MU for 17-18

TABLE 21

SALES, REVENUE AND PERCAPITA CONSUMPTION

Sl. No.	Year	Energy sales within the State (MU)	Total energy sales by KSEBL (Excluding SWAP) (MU)	Energy sales within the State including open access (MU)	Revenue from sale of electricity (Rs. Crore)	Per capita consumption (kWh)
1	1990-91	5327.27	5332.00		280.47	185
2	1991-92	5596.00	5598.18		330.37	192
3	1992-93	5651.73	5838.50		431.77	198
4	1993-94	6218.21	6234.16		530.88	208
5	1994-95	7027.69	7027.69		633.15	231
6	1995-96	7414.62	7418.71		711.16	240
7	1996-97	7020.77	7022.74		691.88	224
8	1997-98	7715.50	7716.23		977.29	243
9	1998-99	9183.00	9183.00		1205.28	278
10	1999-00	9813.00	9813.00		1624.09	301
11	2000-01	10319.00	10319.00		1746.79	312
12	2001-02	8667.31	8679.21		1946.00	271
13	2002-03	8752.10	8873.30		2480.69	272
14	2003-04	8910.84	8910.84		2756.09	275
15	2004-05	9384.40	9384.40		2917.36	289
16	2005-06	10269.80	10905.71		3367.30	314
17	2006-07	11331.00	12377.89		4009.71	345
18	2007-08	12049.85	13396.61		4696.95	366
19	2008-09	12414.32	12877.65		4893.02	375
20	2009-10	13971.09	14024.99		4747.17	420
21	2010-11	14547.90	14678.14		5198.52	436
22	2011-12	15980.53	16181.63		5593.02	478
23	2012-13	16838.24	16839.21	16838.29	7223.39	499
24	2013-14	17454.05	18868.65	17470.86	9974.18	516
25	2014-15	18426.27	18784.36	18430.73	9879.34	541
26	2015-16	19325.07	19378.55	19460.32	10487.71	569
27	2016-17	20038.25	20087.55	20452.91	11035.88	592
28	2017-18	20880.70	20998.21	21159.19	12057.27	613

TABLE 22

ALLOCATION FROM CENTRAL GENERATING STATIONS TO KERALA

Name of ISGS		NTPC										NLC							
		Ramagundam Stage I&II		Ramagundam Stage III		Talcher Stage II		Simhadri Stage II		Kudgi		NLC TPS-II Stage I		NLC TPS-II Stage II		NLC TPS-I Expn.		NLC TPS-II Expn.	
Installed Capacity (MW)		2100		500		2000		1000		1600		630		840		420		500	
Firm allocation (% and MW)		11.66	244.93	12.20	61.01	21.35	427.00	8.44	84.37	4.58	73.33	10.00	63.00	10.71	89.96	16.12	67.70	16.12	80.60
Total allocation (firm + unallocated)																			
Period	Time Slot	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)
w.e.f. 1.04.17	18.00-22.00	11.67	245.07	12.20	61.00	21.35	427.00	8.98	89.80			10.00	63.00	10.71	89.96	16.13	67.75	16.13	80.65
	02.00- 06.00	11.67	245.07	12.20	61.00	21.35	427.00	8.98	89.80			10.00	63.00	10.71	89.96	16.04	67.37	16.04	80.20
	Rest of the day	11.67	245.07	12.20	61.00	21.35	427.00	8.98	89.80			10.00	63.00	10.71	89.96	15.94	66.95	15.94	79.70
w.e.f. 21.7.2017	18.00-22.00	11.67	245.07	12.20	61.00	21.35	427.00	8.13	81.30			10.00	63.00	10.72	90.05	15.76	66.19	15.76	78.80
	02.00- 06.00	11.67	245.07	12.20	61.00	21.35	427.00	8.13	81.30			10.00	63.00	10.72	90.05	15.67	65.81	15.67	78.35
	Rest of the day	11.67	245.07	12.20	61.00	21.35	427.00	8.13	81.30			10.00	63.00	10.72	90.05	15.60	65.52	15.60	78.00
w.e.f. 5.8.2017	18.00-22.00	11.67	245.07	12.20	61.00	21.35	427.00	8.30	83.00	4.50	36.00	10.00	63.00	10.71	89.96	16.03	67.33	16.03	80.15
	02.00- 06.00	11.67	245.07	12.20	61.00	21.35	427.00	8.29	82.90	4.50	36.00	10.00	63.00	10.72	90.05	15.96	67.03	15.96	79.80
	Rest of the day	11.67	245.07	12.20	61.00	21.35	427.00	8.29	82.90	4.49	35.92	10.00	63.00	10.71	89.96	15.89	66.74	15.89	79.45
w.e.f. 31.12.2017	18.00-22.00	11.67	245.07	12.21	61.05	21.35	427.00	8.45	84.50	4.59	73.44	10.00	63.00	10.71	89.96	16.21	68.08	16.21	81.05
	02.00- 06.00	11.67	245.07	12.20	61.00	21.35	427.00	8.45	84.50	4.59	73.44	10.00	63.00	10.71	89.96	16.15	67.83	16.15	80.75
	Rest of the day	11.66	244.86	12.20	61.00	21.35	427.00	8.43	84.30	4.58	73.28	10.00	63.00	10.71	89.96	16.09	67.58	16.09	80.45

Kudgi stage 1- first unit operational date 31-7-2017 & second unit operational date 31-12-2017

Table 22 continued

TABLE 22

ALLOCATION FROM CENTRAL GENERATING STATIONS TO KERALA

(Continued from previous page) p2

Name of ISGS		NTECL		NTPL		NPCL								Total Allocation from SR	Allocation from Northern Region	Grand Total Allocation		
		Vallur		Tutucorin		MAPS		Kaiga 1&2		Kaiga 3&4		Koodankulam U1					Koodankulam U2	
Installed Capacity (MW)		1500		1000		440		440		440		1000		1000				
Firm allocation (% and MW)		3.33	49.98	7.25	72.50	5.23	23.01	8.64	38.02	7.95	34.98	13.97	139.70	13.30	133.00	1683.09	0.00	1683.09
Total allocation (firm + unallocated)																		
Period	Time Slot	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(MW)	(MW)	(MW)
w.e.f. 1.04.17	18.00-22.00	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.95	34.98	13.98	139.80	13.30	133.00	1615.49	0.00	1615.49
	02.00- 06.00	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.96	35.02	13.94	139.40	13.30	133.00	1614.30	0.00	1614.30
	Rest of the day	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.96	35.02	13.92	139.20	13.30	133.00	1613.18	0.00	1613.18
w.e.f. 21.7.2017	18.00-22.00	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.95	34.98	13.85	138.50	13.30	133.00	1602.37	0.00	1602.37
	02.00- 06.00	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.96	35.02	13.83	138.30	13.30	133.00	1601.38	0.00	1601.38
	Rest of the day	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.95	34.98	13.81	138.10	13.30	133.00	1600.50	0.00	1600.50
w.e.f. 5.8.2017	18.00-22.00	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.95	34.98	13.94	139.40	13.30	133.00	1643.37	0.00	1643.37
	02.00- 06.00	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.95	34.98	13.92	139.20	13.30	133.00	1642.51	0.00	1642.51
	Rest of the day	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.96	35.02	13.90	139.00	13.30	133.00	1641.54	0.00	1641.54
w.e.f. 31.12.2017	18.00-22.00	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.95	34.98	14.00	140.00	13.30	133.00	1684.61	0.00	1684.61
	02.00- 06.00	3.34	50.10	7.25	72.50	5.23	23.01	8.64	38.02	7.95	34.98	13.98	139.80	13.30	133.00	1683.96	0.00	1683.96
	Rest of the day	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.95	34.98	13.96	139.60	13.30	133.00	1682.49	0.00	1682.49

Kudgi stage 1- first unit oper.

TABLE 23

CONSUMERS AND CONNECTED LOAD			
Sl. No	Year	No. of Consumers at the end of the year	Connected Load at the end of the year (MW)
1	1989-90	31,92,139	4,165.70
2	1990-91	34,49,888	4,642.68
3	1991-92	36,97,711	5,526.01
4	1992-93	39,30,290	6,575.94
5	1993-94	41,54,504	4,932.73
6	1994-95	44,17,366	5,397.21
7	1995-96	46,85,880	5,776.09
8	1996-97	49,23,041	6,089.41
9	1997-98	52,10,674	6,460.68
10	1998-99	56,39,130	7,275.00
11	1999-00	60,29,744	8,150.00
12	2000-01	64,46,298	8,552.00
13	2001-02	66,62,528	8,917.08
14	2002-03	69,48,571	9,394.50
15	2003-04	73,00,078	9,910.15
16	2004-05	77,99,276	10,333.51
17	2005-06	82,95,081	10,907.20
18	2006-07	87,13,870	11,465.69
19	2007-08	90,33,756	12,378.00
20	2008-09	93,63,461	15,267.44
21	2009-10	97,43,476	15,866.55
22	2010-11	1,01,27,946	16,681.85
23	2011-12	1,04,57,637	17,518.42
24	2012-13	1,08,06,890	18,523.51
25	2013-14	1,11,92,890	19,684.15
26	2014-15	1,14,30,895	20,391.53
27	2015-16	1,16,68,031	20,980.82
28	2016-17	11,994,816	22,040.62
29	2017-18	12,276,321	23,352.03

TABLE 24

TRANSMISSION AND DISTRIBUTION LINES-ABSTRACT

Sl.No.	Year	Particulars in kilometers						
		220 kV	110 kV	66 kV	33 kV	22 kV	11 kV	LT
1	1994-95	1067.55	2684.03	1842.73	-	118.97	24,549	1,54,219
2	1995-96	1175.99	2731.15	1842.73	-	120.52	25,969	1,59,690
3	1996-97	1175.99	2735.43	1842.73	-	120.94	26,606	1,62,661
4	1997-98	1742.10	2964.93	1998.43	-	120.94	27,189	1,68,210
5	1998-99	1897.47	3115.69	1999.05	-	120.94	28,195	1,74,167
6	1999-00	2056.00	3174.99	1999.05	-	99.94	28,785	1,80,470
7	2000-01	2577.89	3558.09	1999.05	185.12	99.94	29,334	1,89,917
8	2001-02	2577.89	3610.72	2012.37	305.42	102.94	30,269	1,94,678
9	2002-03	2577.89	3647.11	2056.77	408.17	102.94	31,352	1,99,721
10	2003-04	2582.15	3822.81	2067.02	514.24	156.59	32,578	2,04,385
11	2004-05	2594.35	3894.67	2072.06	686.01	156.59	33,534	2,10,458
12	2005-06	2640.85	3965.97	2120.51	778.72	156.59	34,596	2,17,899
13	2006-07	2640.85	3993.71	2150.78	909.77	156.59	36,419	2,26,128
14	2007-08	2641.86	4050.09	2161.91	1015.21	156.59	38,235	2,34,286
15	2008-09	2641.86	4067.59	2161.91	1184.78	156.59	41,283	2,41,849
16	2009-10	2734.70	4115.89	2161.91	1390.20	156.59	44,682	2,49,687
17	2010-11	2734.70	4150.11	2161.91	1453.80	160.59	48,342	2,56,449
18	2011-12	2734.70	4151.00	2161.91	1534.80	160.59	51,328	2,60,554
19	2012-13	2761.57	4178.55	2166.51	1599.70	160.59	52,907	2,63,620
20	2013-14	2765.00	4260.27	2202.81	1719.28	160.59	53,579	2,64,117
21	2014-15	2801.20	4299.67	2202.81	1761.57	160.59	55,386	2,68,753
22	2015-16	2801.88	4345.52	2220.56	1826.66	160.59	57,489	2,78,574
23	2016-17	2801.88	4460.75	2154.75	1902.43	160.59	59,335	2,83,811
24	2017-18	2856.88	4521.50	2151.12	1943.51	160.59	60,731	286,784

TABLE 25

PUMPSETS, STREET LIGHTS AND DISTRIBUTION TRANSFORMERS				
Sl. No	Year	No. of Pumpsets energised	No. of Street lights installed	No. of Distribution transformers
1	1988-89	1,93,062	4,81,221	15,177
2	1989-90	1,99,504	4,98,493	16,394
3	1990-91	2,18,446	5,21,297	17,838
4	1991-92	2,38,206	5,44,744	18,843
5	1992-93	2,60,433	5,68,709	19,885
6	1993-94	2,71,192	5,74,273	21,141
7	1994-95	2,85,322	5,88,808	22,231
8	1995-96	2,99,288	6,02,582	24,711
9	1996-97	3,09,313	6,12,334	25,940
10	1997-98	3,23,573	6,29,410	26,826
11	1998-99	3,47,208	6,58,643	28,058
12	1999-00	3,67,919	7,16,390	29,551
13	2000-01	3,86,416	7,63,912	30,511
14	2001-02	3,88,913	7,97,053	31,767
15	2002-03	3,90,476	8,20,201	32,637
16	2003-04	3,98,996	8,54,584	33,940
17	2004-05	4,12,602	9,08,016	35,822
18	2005-06	4,23,571	9,60,839	37,573
19	2006-07	4,35,673	9,99,599	39,697
20	2007-08	4,40,958	10,49,047	42,250
21	2008-09	4,31,745	10,86,688	46,359
22	2009-10	4,37,877	11,48,220	52,149
23	2010-11	4,46,460	12,02,988	57,954
24	2011-12	4,55,078	12,18,610	62,329
25	2012-13	4,66,289	12,57,285	64,972
26	2013-14	4,78,449	12,97,480	67,546
27	2014-15	4,90,056	13,49,101	71,195
28	2015-16	5,00,082	14,07,024	73,460
29	2016-17	512,339	1,412,689	75,580
30	2017-18	525,367	1,417,639	77,724

TABLE 26

CONSUMERS AND CONNECTED LOAD - CATEGORY WISE

(Connected load in MW)

Sl.No	Category	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	Domestic LT													
	No. of Consumers	6,545,692	6,880,500	7,137,739	7,481,601	7,790,132	8,092,072	8,324,961	8,573,938	8,788,916	8,987,947	9,124,747	9384957	9562253
	Connected Load	6,646.73	7,014.07	7,420.56	9,521.74	9,918.76	10,497.71	11,096.17	11,842.34	12,428.24	12,916.83	13349.76	14206.25	15136.02
2	Commercial LT													
	No. of Consumers	1,202,674	1,271,150	1,329,206	1,325,109	1,388,981	1,457,682	1,539,025	1,633,952	1,795,160	1,832,048	1,923,402	1994916	2081567
	Connected Load	1,335.52	1,443.67	1,902.79	2,341.44	2,413.56	2,778.91	2,635.81	2,790.58	3,109.57	3,393.70	3309.08	3492.07	3683.98
3	Industrial LT													
	No. of Consumers	119,021	122,308	122,449	119,871	122,325	127,354	132,051	131,583	137,744	142,001	136,693	141683	136964
	Connected Load	1,239.35	1,284.95	1,290.82	1,425.26	1,472.69	1,516.56	1,560.32	1,539.24	1,620.52	1656.73	1647.07	1688.59	1698.11
4	HT & EHT													
	No. of Consumers	1,782	1,897	1,014	2,387	1,166	1,269	3,341	3,631	4,256	3,475	5,005	5335	5620
	Connected Load	780.04	800.90	658.03	891.21	920.86	724.11	1,057.38	1,140.19	1,316.68	1,182.90	1445.81	1436.42	1581.579
5	Public lighting													
	No. of Consumers	2,325	2,325	2,325	2,729	2,927	3,038	3,160	3,505	3,789	4,072	4,281	20350	27131
	Connected Load	84.98	88.81	118.54	82.66	93.80	91.09	93.12	105.70	110.99	118.55	124.13	140.95	149.79
6	Agricultural LT													
	No. of Consumers	423,571	435,673	441,005	431,745	437,925	446,510	455,078	460,263	463,006	461,333	473,882	447551	462763
	Connected Load	738.58	740.49	886.18	887.90	899.38	924.49	926.68	956.77	952.77	949.82	950.19	874.17	915.15
7	Licensees													
	No. of Consumers	11	11	11	11	12	13	13	10	11	11	12	12	11
	Connected Load	53.58	54.58	57.96	60.88	83.31	83.71	83.67	83.42	79.13	106.75	88.99	111.17	95.15
8	Railway Traction													
	No. of Consumers	5	6	7	8	8	8	8	8	8	8	9	12	12
	Connected Load	28.42	38.22	43.12	56.35	64.19	65.27	65.27	65.27	66.25	66.25	65.79	91	92.25
	Total													
	No. of Consumers	8,295,081	8,713,870	9,033,756	9,363,461	9,743,476	10,127,946	10,457,637	10,806,890	11,192,890	11,430,895	11,668,031	11,994,816	12,276,321
	Connected Load	10,907.20	11,465.69	12,378.00	15,267.44	15,866.55	16,681.85	17,518.42	18,523.51	19,684.15	20,391.53	20,980.82	22,040.62	23,352.03

TABLE 27

SALES AND REVENUE - CATEGORY WISE

(Sales in MU, Revenue in Rs. Crore)

Sl.No	Category	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	Domestic													
	A. Sales	4668.36	5213.15	5602.85	5931.27	6559	6877.83	7705.86	8313.36	8739.52	9367.26	9943.5	10280.74	10574.84
	B. Revenue	797.66	869.18	962.92	1,135.91	1,254.98	1,363.44	1,531.84	2,154.16	2699.20	3176.56	3744.1	3953.34	4316.99
2	Commercial													
	A. Sales	1092.66	1245.8	1378.33	1501.6	1793	1951.74	2141.22	2224.06	2229.33	2418.28	2735.36	2957.96	3063.48
	B. Revenue	724.44	823.07	921.00	1,116.66	1,259.39	1,410.83	1,592.83	1,855.38	2102.15	2172.38	2448.5	2709.05	2876.69
3	Industrial LT													
	A. Sales	873.9	933.93	984.18	1015.4	1064	1053.45	1097.04	1101.96	1096.57	1096.93	1103.23	1131.906	1112.33
	B. Revenue	362.41	387.33	408.19	466.89	453.70	460.54	461.39	587.11	682.52	704.89	746.63	754.72	809.19
4	HT & EHT													
	A. Sales	2883.5	3081.63	3139.5	2986.97	3417.09	3563.14	3829.39	3905.15	4035.48	4139.71	4106	4128.21	4535.98
	B. Revenue	1,128.70	1,214.59	1,259.70	1,433.06	1,416.30	1,512.83	1,600.75	2,146.40	2576.37	2581.31	2816.9	2854.08	3225.46
5	Public Lighting													
	A. Sales	207.78	228.74	248.56	294.32	303	265.68	294.26	313.2	319.06	346.43	366.62	375.76	373.48
	B. Revenue	38.07	42.81	47.26	58.96	58.07	56.28	63.86	94.32	118.99	137.81	156.36	156.64	169.86
6	Agricultural													
	A. Sales	189.57	220.24	230.55	225.22	257	231.56	286.18	306.08	310.25	298.28	279.48	321.98	346.03
	B. Revenue	18.88	22.54	24.31	30.48	28.24	26.65	30.77	47.28	56.57	60.44	65.62	102.01	63.29
7	Licencees													
	A. Sales	296.09	335.35	356.62	317.47	413	448.11	472.09	500.76	523.15	554.06	578.08	612.1	608.77
	B. Revenue	80.90	92.67	102.23	144.68	143.33	163.46	183.27	255.31	293.64	313.29	347.04	363.25	384.59
8	Railway Traction													
	A. Sales	57.94	72.16	109.26	142.07	165	156.39	154.49	173.67	200.69	205.31	212.83	229.58	265.8
	B. Revenue	19.72	24.15	39.23	67.60	65.65	64.46	61.68	82.5	107.77	113.1	120.86	130.52	160.02
9	Export													
	A. Sales	635.9	1046.89	1346.76	463.33	53.9	130.24	201.1	0.97	1414.60	358.09	53.48	49.3	117.51
	B. Revenue	196.51	533.36	932.12	438.79	67.51	140.03	66.63	0.93	1336.98	619.56	41.7	12.27	51.18
	Total													
	A. Sales	10905.70	12377.89	13396.61	12877.65	14024.99	14678.14	16181.63	16839.21	18868.65	18784.35	19378.58	20087.54	20998.22
	B. Revenue	3,367.30	4,009.71	4,696.95	4,893.02	4,747.17	5,198.52	5,593.02	7,223.39	9,974.18	9,879.34	10,487.71	11,035.88	12,057.27

TABLE 28

CAPITAL OUTLAY AND EXPENDITURE

(Amounts in Rs. Crore)

Sl. No	Year	Capital Outlay										Capital Expenditure				
		Generation		Transmission		Distribution		Others		Total		Gen.	Tran.	Dist.	Oth.	Total
		BE	RE	BE	RE	BE	RE	BE	RE	BE	RE					
1	1997-98	198.82	197.96	254.03	141.70	175.50	205.50	111.65	41.95	740.00	587.11	284.42	130.11	194.38	15.17	624.08
2	1998-99	264.35	428.86	139.00	110.50	154.85	250.47	192.80	49.99	751.00	839.82	391.85	123.57	144.96	5.53	665.91
3	1999-00	377.82	214.51	95.85	231.00	240.50	240.03	126.58	31.73	840.75	717.27	231.56	112.02	202.39	153.81	699.78
4	2000-01	174.28	192.00	272.15	190.00	200.03	170.13	72.04	48.57	718.50	600.70	103.55	259.73	243.05	144.16	750.49
5	2001-02	125.7	70.23	275.00	298.00	205.03	287.14	43.27	56.09	649.00	711.46	243.61	62.77	223.67	51.19	581.24
6	2002-03	99.5	71.24	250.42	216.00	256.50	254.00	62.58	29.98	669.00	571.22	101.27	250.17	60.60	29.88	441.92
7	2003-04	148.25	117.59	262.28	250.00	304.82	300.00	49.65	20.76	765.00	688.35	426.50	204.86	154.36	0.00	785.72
8	2004-05	119.11	181.31	256.00	275.54	304.00	257.50	19.16	1.50	698.27	715.85	55.47	253.23	124.50	0.00	433.20
9	2005-06	260.68	160.92	297.53	230.20	393.00	256.87	2.10	2.01	953.31	650.00	125.99	163.19	174.41	0.00	463.59
10	2006-07	250	202.45	218.50	200.18	429.09	378.09	1.50	1.50	899.09	782.22	155.25	137.17	222.03	0.00	514.45
11	2007-08	334.52	344.53	221.80	221.50	464.36	388.59	1.70	4.05	1,022.38	958.67	56.45	125.59	182.84	0.00	364.88
12	2008-09	540.52	310.37	181.00	276.88	422.02	456.24	5.05	4.10	1,148.59	1,047.59	116.88	242.61	285.01	0.00	644.50
13	2009-10	403.33	262.81	366.73	240.66	600.64	436.40	6.40	7.78	1,377.10	947.65	304.86	217.85	346.99	5.83	875.53
14	2010-11	290.32	315.03	270.00	279.12	425.00	450.00	9.84	10.17	995.16	1,054.32	177.04	165.22	637.70	3.66	983.62
15	2011-12	308.28	383.67	254.85	253.00	444.00	540.00	28.87	12.60	1,036.00	1,189.27	159.83	316.17	543.13	2.33	1,021.46
16	2012-13	375.62	274.27	305.00	234.85	710.00	607.30	6.50	5.50	1,397.12	1,121.92	256.71	183.66	403.81	0	844.18
17	2013-14	419.45	256.48	293.00	192.47	800.00	700.00	9.00	9.00	1,521.45	1,157.95	229.82	191.12	566.33	0	987.27
18	2014-15	332.00	338.85	241.00	225.00	700.00	550.00	27.00	15.35	1,300.00	1,129.20	293.86	224.15	643.73	6.35	1,168.09
19	2015-16	385.65	383.30	240.00	185.00	710.00	615.00	17.35	21.70	1,353.00	1,205.00	183.98	328.14	741.53	7.21	1,260.86
20	2016-17	390.00	291.50	260.00	310.00	705.00	725.00	25.00	18.50	1,380.00	1,345.00	341.93	374.81	810.09	12.33	1,539.16
21	2017-18	371.00	455.13	360.00	430.00	750.00	1,203.04	19.00	41.60	1,500.00	2,129.77	286.71	443.74	898.11	23.56	1,652.12

TABLE 29

AVERAGE REALISATION - CATEGORY WISE#

(All figures in Ps./kWh)

Sl. No	Year	Domestic	Commercial	Industrial LT	HT & EHT	Public Lighting	Agriculture	Public Water works	Licensee	Export	Traction	Overall #
1	2000-01	81.24	440.95	265.72	221.79	120.95	67.22	196.76	151.93	-	198.48	169.41
2	2001-02	109.42	586.1	362.37	261.65	152.99	92.26	206.35	182.21	-	198.66	223.94
3	2002-03	146.57	623.41	398.01	344.59	163.44	96.74		206.27	391.97	314.55	279.81
4	2003-04	176.13	658.54	407.07	390.8	170	97.43		307.72	-	364.22	309.59
5	2004-05	176.71	668.7	414.76	391.44	182.74	98.68		272.38	-	367.53	311.17
6	2005-06	171.15	663	414.71	391.43	183.24	99.61		273.23	309.03	340.43	308.98
7	2006-07	166.96	660.68	414.73	394.14	187.16	102.32		276.35	563.85*	334.73	324.13
										498.58**		
8	2007-08	172.1	668.2	414.75	401.24	190.15	105.45		286.65	397.67*	359.04	350.81
										966.36**		
9	2008-09	191.71	743.65	459.81	479.77	200.31	135.35		455.72	947.03	475.84	380.14
10	2009-10	191.46	702.39	426.41	414.47	191.64	109.9		347.05	851.50*	397.87	338.03
										715.96**		
11	2010-11	198.32	722.86	437.17	424.58	211.82	115.11		364.77	1207.34*	412.16	354.24
										1071.85**		
12	2011-12	201.54	745.97	421.87	418.02	217.01	110.3		388.2	1144*	399.25	347.39
										1075.78**		
13	2012-13	259.18	834.23	533.35	549.63	301.15	152.47		509.84	958.76	475.04	428.98
14	2013-14	308.85	942.95	622.41	638.43	372.95	182.34		561.29	945.13	536.99	528.61
15	2014-15	339.11	898.32	642.60	623.55	397.80	202.63		565.44	1730.18	550.87	525.93
16	2015-16	376.54	895.13	676.77	686.04	426.49	234.79		600.33	779.73	567.87	541.20
17	2016-17	384.54	915.85	666.77	691.36	416.86	316.82		593.45	248.88	568.52	549.39
18	2017-18	408.33	939.03	727.48	711.06	454.77	182.90		631.75	435.56	602.00	574.20

* interstate sale to TNEB

** Sale through traders/ power exchanges

Revenue from tariff

TABLE 30

AVERAGE ENERGY SALES AND REVENUE PER CONSUMER

(Sales in kWh, Revenue in Rs.)

Sl. No	Year	Particulars	Domestic	Commercial	Industrial LT	HT & EHT	Agriculture	Public Water works*	Public Lighting	Bulk Supply	Traction
1	2001-02	a. Sales/Consumer	709	848	5,674	1,636,878	477	161,492	64,766	25,014,285	15,570,000
		b. Revenue/Consumer	776	4,972	20,561	4,281,384	440	333,232	99,088	45,977,143	30,931,333
2	2002-03	a. Sales/Consumer	727	889	6,511	1,742,136	452		66,933	26,092,857	15,466,667
		b. Revenue/Consumer	1,063	5,542	25,914	6,003,184	437		109,396	53,560,000	48,650,667
3	2003-04	a. Sales/Consumer	696	847	6,965	2,646,558	506		71,260	20,930,000	11,530,000
		b. Revenue/Consumer	1,223	451,871	28,352	10,342,697	493		121,142	64,405,000	41,995,000
4	2004-05	a. Sales/Consumer	694	842	6,805	1,618,126	462		78,581	23,500,000	10,900,000
		b. Revenue/Consumer	1,223	5,633	28,222	6,333,886	456		143,600	64,008,444	40,060,750
5	2005-06	a. Sales/Consumer	713	909	7,342	1,618,126	448		89,368	26,917,273	26,917,273
		b. Revenue/Consumer	1,219	6,024	30,449	6,333,886	446		163,756	73,546,727	73,546,727
6	2006-07	a. Sales/Consumer	758	980	7,632	1,624,143	506		102,804	30,486,364	12,026,667
		b. Revenue/Consumer	1,263	6,475	31,668	6,402,706	517		192,409	84,249,066	40,257,272
7	2007-08	a. Sales/Consumer	785	1,037	8,037	3,096,154	523		106,908	32,420,000	15,608,571
		b. Revenue/Consumer	1,349	6,929	33,335	12,423,007	551		203,285	92,931,909	56,041,757
8	2008-09	a. Sales/Consumer	793	1,133	8,471	1,251,349	522		107,849	28,860,909	17,758,750
		b. Revenue/Consumer	1,518	8,427	38,949	6,003,584	706		216,036	131,524,188	84,503,653
9	2009-10	a. Sales/Consumer	842	2,010	8,698	1,198,979	587		103,519	34,416,667	20,625,000
		b. Revenue/Consumer	1,611	9,078	37,090	4,969,464	645		198,384	119,443,056	82,061,187
10	2010-11	a. Sales/Consumer	850	1,339	8,272	2,125,398	537		87,452	34,470,000	19,548,750
		b. Revenue/Consumer	1,685	9,679	36,162	11,921,432	597		185,244	125,736,615	80,571,875
11	2011-12	a. Sales/Consumer	926	1,391	8,308	1,146,181	629		93,120	36,314,615	19,311,250
		b. Revenue/Consumer	1,840	10,350	34,940	4,791,231	676		202,084	140,974,538	77,101,125
12	2012-13	a. Sales/Consumer	970	1,361	8,375	1,075,503	665		89,358	50,076,000	21,708,750
		b. Revenue/Consumer	2,512	11,355	44,619	5,911,319	1,027		269,101	255,310,000	103,125,000
13	2013-14	a. Sales/Consumer	994	1,251	7,961	948,186	670		84,207	47,559,091	25,086,250
		b. Revenue/Consumer	3,071	1,795	49,550	6,053,505	1,222		314,048	266,944,500	134,710,698
14	2014-15	a. Sales/Consumer	1,042	1,321	7,725	1,191,283	647		85,076	50,369,091	25,663,750
		b. Revenue/Consumer	3,534	11,865	49,640	7,428,230	1,310		338,433	284,809,091	141,375,000
15	2015-16	a. Sales/Consumer	1,090	1,422	8,071	820,380	590		85,639	48,173,333	23,647,778
		b. Revenue/Consumer	4,103	14,221	54,621	5,628,172	1,385		365,242	289,200,000	134,288,889
16	2016-17	a. Sales/Consumer	1,095	1,054	7,989	773,798	719		18,465	51,008,333	19,131,667
		b. Revenue/Consumer	4,212	19,817	53,268	5,349,728	2,279		76,973	302,708,333	108,766,667
17	2017-18	a. Sales/Consumer	1,106	1,472	8,121	807,114	748		13,766	55,342,727	22,150,000
		b. Revenue/Consumer	4,515	13,820	59,080	5,739,253	1,368		62,607	349,627,273	133,350,000

* included in Industrial LT from 2002-03

TABLE 31

DEMAND AND CONSUMPTION

Day	04/17						05/17						06/17					
	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)
Day 1	3719	2980	2712	75.18	84.23	3719	3131	2814	2272	67.14	89.36	3131	3348	2576	2231	64.08	79.74	3348
Day 2	3385	2897	2398	69.87	86.00	3385	3529	2530	2350	70.28	82.99	3529	3200	2511	2055	62.30	81.12	3200
Day 3	3833	2883	2661	75.92	82.53	3833	3662	2700	2485	72.64	82.65	3662	3203	2441	2106	62.44	81.23	3203
Day 4	3747	3032	2744	76.16	84.70	3747	3631	2843	2538	73.95	84.87	3881	3265	2319	1822	59.00	75.30	3265
Day 5	3814	2886	2692	76.32	83.37	3814	3584	3004	2813	76.88	89.38	3584	3269	2457	2108	61.92	78.94	3269
Day 6	3527	2877	2589	71.03	83.92	3527	3547	2911	2722	74.65	87.68	3547	3335	2512	2108	63.16	78.91	3335
Day 7	3802	2472	2278	70.43	77.19	3877	2976	2796	2276	65.08	91.11	2976	3354	2626	2099	62.99	78.26	3354
Day 8	3677	2941	2689	75.77	85.86	3677	3684	2500	2273	68.91	77.93	3684	3466	2616	2140	63.87	76.78	3466
Day 9	3433	2907	2441	68.96	83.70	3433	3768	2789	2610	73.56	81.34	3768	3351	2610	2221	64.05	79.64	3351
Day 10	3787	2830	2613	75.41	82.98	3887	3064	2872	2550	70.49	95.86	3064	2984	2467	2116	60.29	84.19	2984
Day 11	3752	2970	2743	76.51	84.96	3752	3658	2432	2165	68.13	77.59	3658	2859	2169	1892	55.04	80.20	2859
Day 12	3793	2976	2735	77.14	84.74	3793	3507	2753	2543	71.02	84.39	3507	3195	2414	1869	60.64	79.06	3195
Day 13	3195	3018	2529	72.90	95.06	3195	3618	2501	2143	67.84	78.12	3618	3386	2543	2080	63.18	77.65	3386
Day 14	3384	2701	2284	64.91	79.93	3384	3509	2693	2360	67.21	79.81	3509	3485	2628	2119	65.06	77.65	3485
Day 15	3641	2719	2515	71.98	82.37	3641	3798	2677	2432	73.22	80.33	3798	3502	2696	2294	67.37	80.02	3577
Day 16	3553	2774	2453	69.24	81.22	3553	3843	2895	2661	75.46	81.81	3843	3504	2730	2343	67.86	80.61	3504
Day 17	3793	2856	2659	75.85	83.32	3793	3795	3032	2722	76.35	83.83	3795	3467	2638	2317	67.83	81.42	3467
Day 18	3842	2918	2679	76.40	82.87	3842	3566	3000	2682	73.63	86.03	3566	3350	2556	2121	63.16	78.38	3350
Day 19	3865	2984	2766	77.15	83.17	3865	3774	2649	2352	71.50	78.94	3774	3605	2659	2118	68.75	79.30	3605
Day 20	3721	3000	2851	76.59	85.77	3721	3256	2865	2653	71.11	90.99	3256	3446	2748	2417	69.36	83.79	3446
Day 21	3648	2800	2625	73.68	84.17	3648	3496	2464	2232	63.26	75.39	3496	3480	2665	2338	67.13	80.27	3480
Day 22	3670	2860	2595	73.55	83.51	3670	3333	2714	2450	67.30	84.14	3333	3438	2658	2317	66.64	80.63	3438
Day 23	3646	2858	2424	70.27	80.31	3646	3675	2547	2273	68.68	77.86	3675	3267	2667	2262	65.05	82.82	3267
Day 24	3868	2844	2751	77.00	82.95	3868	3564	2598	2356	70.84	82.81	3564	3139	2342	2087	61.41	81.42	3139
Day 25	3851	2986	2804	77.58	83.94	3851	3638	2793	2569	71.56	81.96	3638	2689	2121	1984	54.78	84.80	2689
Day 26	3663	2940	2743	76.20	86.68	3663	3679	2749	2429	71.93	81.46	3679	2822	2228	1731	55.03	81.27	2822
Day 27	3676	2802	2609	74.56	84.52	3676	3642	2654	2467	71.40	81.69	3642	3010	2131	1731	54.85	75.93	3010
Day 28	3831	2907	2710	76.46	83.15	3831	3203	2715	2273	64.61	84.06	3203	3267	2261	1815	59.47	75.72	3267
Day 29	3531	2990	2564	74.61	88.04	3531	3241	2538	2332	65.68	84.44	3241	3235	2516	1979	62.18	80.09	3235
Day 30	3359	2739	2281	68.93	85.51	3359	3155	2420	2112	61.45	81.15	3155	3255	2596	2069	62.84	80.44	3255
Day 31							3414	2459	2194	64.78	79.06	3414						

Table 31 continued

TABLE31

DEMAND AND CONSUMPTION

Day	07/17						08/17						09/17					
	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)
Day 1	2954	2432	2052	61.07	86.13	2954	3426	2815	2318	68.42	83.20	3626	3249	2668	2219	65.39	83.86	3249
Day 2	2987	2158	1892	55.55	77.49	2987	3486	2908	2298	69.26	82.79	3486	3252	2509	2165	65.33	83.70	3252
Day 3	3188	2482	1888	60.42	78.96	3188	3337	2808	2330	66.78	83.38	3337	3038	2438	2188	60.59	83.08	3038
Day 4	3373	2547	1981	63.18	78.04	3373	3321	2634	2078	64.48	80.90	3396	2932	2412	2077	58.30	82.87	2932
Day 5	3295	2685	2074	64.56	81.64	3295	3195	2549	2032	63.29	82.55	3195	3107	2313	2020	61.71	82.74	3107
Day 6	3337	2717	2044	63.90	79.79	3337	2997	2329	1976	58.40	81.19	2997	3219	2424	2068	63.56	82.27	3269
Day 7	3279	2658	2057	63.67	80.91	3279	3328	2644	2007	64.05	80.20	3403	3136	2573	2148	65.17	86.58	3286
Day 8	3231	2499	2025	62.92	81.14	3231	3246	2693	2112	64.82	83.21	3746	3281	2535	2159	66.12	83.97	3281
Day 9	3070	2402	2069	58.70	79.68	3070	3309	2846	2135	66.56	83.82	3709	3206	2528	2118	64.42	83.72	3406
Day 10	3389	2592	1993	62.96	77.40	3389	3333	2733	2206	66.47	83.10	3533	3172	2387	2093	60.94	80.03	3172
Day 11	3181	2632	2084	62.39	81.72	3181	3184	2712	2208	64.86	84.88	3184	3322	2571	2156	66.37	83.24	3472
Day 12	3455	2659	2090	64.43	77.71	3455	3052	2527	2042	63.93	87.29	3177	3342	2613	2139	68.58	85.51	3542
Day 13	3110	2719	2137	62.69	83.98	3110	3151	2511	2118	61.05	80.72	3151	3241	2777	2360	66.70	85.76	3241
Day 14	3245	2556	2004	62.63	80.28	3245	3339	2729	2117	66.45	82.91	3539	3262	2699	2235	64.79	82.75	3312
Day 15	3258	2494	2028	63.50	81.09	3258	3258	2678	2246	64.72	82.77	3258	3425	2684	2080	64.98	79.04	3550
Day 16	3019	2352	2085	58.46	80.55	3019	3452	2654	2136	66.14	79.84	3452	3062	2571	2158	64.72	88.06	3062
Day 17	3398	2579	1971	64.43	78.86	3398	3450	2836	2210	67.44	81.44	3450	2580	2200	1759	53.27	86.04	2580
Day 18	3353	2448	2029	62.31	77.32	3353	3349	2711	2158	65.71	81.75	3349	3277	2154	1599	59.88	76.14	3277
Day 19	3107	2522	1962	59.88	80.24	3107	3303	2557	2074	64.22	81.03	3303	3352	2613	2017	64.68	80.40	3427
Day 20	3149	2406	1928	58.62	77.45	3149	2972	2396	2066	58.71	82.31	2972	3412	2648	2050	65.43	79.91	3487
Day 21	3005	2520	1917	60.29	83.40	3005	3300	2524	1876	63.04	79.60	3300	3324	2478	2099	65.06	81.55	3399
Day 22	3369	2476	1819	62.58	77.22	3369	3234	2529	1910	62.49	80.51	3234	3412	2625	2096	65.60	80.12	3487
Day 23	3147	2322	2057	59.26	78.27	3147	3437	2624	2046	65.73	79.68	3437	3436	2626	2179	66.72	80.89	3436
Day 24	3356	2653	2033	64.81	80.47	3481	3392	2772	2204	67.36	82.76	3392	3227	2534	2161	62.73	81.00	3227
Day 25	3329	2681	2040	66.13	82.77	3504	3398	2813	2225	67.75	83.08	3398	3535	2742	2224	67.60	79.69	3535
Day 26	3306	2797	2239	66.66	84.00	3656	3358	2674	2212	66.74	82.81	3358	3390	2788	2319	68.06	83.65	3540
Day 27	3353	2794	2260	66.48	82.61	3428	2999	2458	2148	60.02	83.39	2999	3436	2743	2221	67.23	81.53	3511
Day 28	3441	2688	2128	66.12	80.05	3441	3244	2411	1977	63.61	81.69	3244	3295	2740	2200	65.66	83.03	3295
Day 29	3292	2610	2154	66.17	83.74	3472	3242	2550	1945	63.21	81.22	3242	3179	2439	2030	62.45	81.86	3179
Day 30	3194	2490	2077	60.58	79.04	3194	3382	2666	1930	65.39	80.57	3382	3240	2400	2062	63.01	81.02	3240
Day 31	3438	2728	2243	67.65	81.99	3513	3501	2694	2160	67.94	80.85	3501						

Table 31 continued

TABLE31

DEMAND AND CONSUMPTION

Day	10/17						11/17						12/17					
	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)
Day 1	2971	2315	2091	58.84	82.53	2971	3280	2719	2206	64.76	82.26	3280	2978	2420	1935	60.23	84.25	2978
Day 2	3197	2374	1989	60.58	78.95	3197	3267	2747	2224	65.77	83.87	3267	3155	2404	1957	59.73	78.89	3155
Day 3	3392	2617	2043	65.31	80.23	3492	3400	2676	2149	66.61	81.62	3400	3050	2331	1923	57.06	77.96	3050
Day 4	3485	2745	2154	67.32	80.49	3735	3194	2648	2271	65.80	85.83	3194	3393	2646	2049	64.20	78.85	3393
Day 5	3490	2794	2278	68.90	82.25	3640	3040	2425	1885	58.57	80.26	3060	3456	2716	2132	65.84	79.38	3456
Day 6	3451	2741	2210	67.17	81.10	3576	3310	2624	2082	63.54	79.97	3310	3485	2764	2185	65.82	78.70	3485
Day 7	3367	2637	2145	67.06	83.00	3367	3394	2702	2073	64.27	78.90	3394	3509	2805	2196	66.81	79.33	3509
Day 8	3122	2407	2133	61.16	81.62	3122	3117	2671	2084	63.13	84.38	3117	3523	2814	2247	68.02	80.45	3523
Day 9	3490	2628	2127	67.16	80.18	3490	3411	2694	2068	64.84	79.21	3586	3431	2679	2299	67.71	82.22	3431
Day 10	3498	2815	2249	69.07	82.29	3498	3433	2712	2189	66.18	80.33	3433	3234	2560	2241	61.93	79.80	3234
Day 11	3541	2769	2305	68.79	80.94	3541	3451	2634	2182	66.36	80.13	3451	3520	2791	2170	66.88	79.18	3620
Day 12	3365	2737	2257	66.96	82.90	3365	3128	2458	2187	60.86	81.09	3128	3559	2824	2220	67.50	79.02	3634
Day 13	3321	2738	2207	66.07	82.89	3321	3406	2685	2109	65.57	80.21	3456	3388	2835	2218	67.04	82.45	3463
Day 14	3130	2522	2120	62.92	83.75	3130	3406	2697	2152	66.06	80.81	3481	3526	2827	2176	67.19	79.40	3526
Day 15	2991	2301	1987	57.24	79.73	2991	3516	2778	2192	66.78	79.15	3516	3525	2768	2185	67.18	79.41	3525
Day 16	3111	2286	1931	58.77	78.73	3111	3420	2759	2134	66.44	80.94	3495	3419	2672	2234	66.99	81.65	3419
Day 17	3279	2679	2042	63.51	80.69	3279	3498	2823	2195	67.73	80.67	3623	3184	2491	2039	59.93	78.43	3184
Day 18	3273	2512	2028	63.33	80.61	3273	3382	2729	2256	68.44	84.30	3557	3459	2660	2058	64.90	78.18	3459
Day 19	3410	2632	2082	65.13	79.57	3410	3010	2568	2252	61.85	85.62	3010	3442	2668	2084	64.55	78.14	3442
Day 20	3420	2701	2162	67.14	81.79	3620	3231	2728	2125	65.68	84.69	3231	3520	2801	2145	66.66	78.92	3620
Day 21	3345	2713	2272	66.28	82.56	3345	3419	2800	2235	66.78	81.38	3619	3537	2833	2187	67.20	79.16	3587
Day 22	3168	2449	2162	60.69	79.81	3168	3649	2777	2189	68.43	78.13	3649	3519	2743	2170	67.89	80.39	3519
Day 23	3441	2634	2169	65.93	79.83	3441	3595	2750	2276	68.07	78.90	3595	3417	2616	2213	66.43	81.00	3417
Day 24	3480	2733	2252	66.78	79.97	3630	3593	2901	2305	69.20	80.25	3593	3131	2473	2187	60.41	80.41	3131
Day 25	3396	2805	2246	67.49	82.80	3496	3433	2774	2330	68.87	83.58	3508	3169	2345	2041	58.94	77.48	3169
Day 26	3299	2810	2254	66.57	84.07	3349	3121	2620	2242	62.09	82.88	3121	3465	2490	2067	65.56	78.84	3465
Day 27	3234	2770	2215	65.22	84.04	3234	3492	2789	2159	66.73	79.62	3492	3442	2602	2192	66.73	80.77	3442
Day 28	3273	2564	2180	64.89	82.60	3273	3605	2796	2285	68.60	79.28	3605	3406	2691	2196	65.50	80.14	3406
Day 29	3199	2453	2154	61.00	79.46	3219	3586	2820	2321	68.70	79.81	3586	3331	2579	2079	63.76	79.74	3331
Day 30	3407	2706	2141	66.49	81.30	3407	3015	2696	2198	62.18	85.94	3015	3304	2533	2027	63.20	79.69	3304
Day 31	3287	2816	2257	65.79	83.40	3287							3126	2418	2059	58.68	78.21	3126

Table 31 continued

TABLE31

DEMAND AND CONSUMPTION

Day	01/18						02/18						03/18					
	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)
Day 1	3353	2627	2062	63.99	79.50	3353	3268	2835	2193	66.33	84.57	3268	3714	2982	2552	74.74	83.84	3764
Day 2	3459	2593	2103	65.78	79.23	3459	3465	2762	2234	65.84	79.17	3465	3586	2947	2607	73.24	85.10	3586
Day 3	3477	2827	2043	65.91	78.99	3477	3356	2709	2165	64.76	80.40	3356	3612	2864	2501	73.08	84.30	3662
Day 4	3471	2839	2103	66.13	79.38	3471	3135	2489	2108	59.97	79.70	3135	3522	2782	2247	67.45	79.80	3522
Day 5	3457	2875	2150	65.98	79.53	3477	3474	2785	2123	66.55	79.83	3474	3744	2966	2531	74.30	82.68	3844
Day 6	3314	2705	2187	65.42	82.25	3314	3550	2902	2312	68.85	80.82	3550	3861	3007	2670	76.21	82.23	3861
Day 7	3095	2507	2088	59.74	80.42	3095	3461	2811	2260	67.53	81.29	3461	3809	3089	2690	77.03	84.25	3859
Day 8	3444	2705	2050	64.16	77.62	3444	3417	2900	2363	68.70	83.78	3417	3850	3042	2687	77.07	83.40	3910
Day 9	3438	2766	2026	64.72	78.43	3438	3306	2908	2314	67.95	85.62	3306	3780	3122	2771	77.38	85.30	3855
Day 10	3448	2882	2118	66.23	80.03	3448	3509	2763	2206	68.52	81.35	3509	3737	3007	2718	76.85	85.68	3737
Day 11	3553	2878	2203	68.05	79.80	3553	3253	2610	2257	64.00	81.99	3253	3505	2826	2411	69.53	82.66	3505
Day 12	3507	2888	2247	68.94	81.92	3507	3587	2851	2288	69.67	80.92	3587	3844	2889	2524	75.67	82.01	3844
Day 13	3427	2837	2274	68.87	83.75	3427	3473	2782	2442	69.56	83.44	3473	3566	3089	2673	75.24	87.92	3566
Day 14	3160	2606	2240	61.79	81.47	3160	3590	2877	2402	70.27	81.56	3590	3613	2874	2420	72.05	83.08	3613
Day 15	3446	2647	2126	66.41	80.30	3446	3644	2970	2398	70.81	80.97	3644	3499	2877	2460	71.98	85.71	3624
Day 16	3485	2796	2202	67.12	80.25	3491	3673	2992	2322	71.63	81.26	3673	3702	2870	2478	73.27	82.46	3702
Day 17	3542	2906	2250	67.51	79.42	3542	3567	2837	2479	70.74	82.64	3567	3571	2889	2506	73.99	86.34	3571
Day 18	3513	2812	2219	66.93	79.37	3513	3391	2728	2310	65.49	80.48	3391	3049	2744	2211	64.89	88.66	3049
Day 19	3424	2808	2212	65.96	80.26	3424	3627	2845	2364	70.41	80.89	3627	3626	2735	2343	70.94	81.51	3626
Day 20	3352	2706	2188	65.12	80.93	3352	3615	2920	2430	70.89	81.72	3690	3745	2878	2511	74.17	82.52	3745
Day 21	3160	2468	2107	59.98	79.07	3160	3625	2990	2476	71.52	82.22	3625	3681	2993	2674	75.97	85.99	3681
Day 22	3492	2796	2095	65.55	78.22	3492	3600	2975	2468	72.01	83.35	3600	3660	3017	2609	75.94	86.45	3660
Day 23	3431	2838	2161	66.24	80.46	3431	3581	2948	2470	71.43	83.11	3656	3697	2992	2648	75.31	84.87	3697
Day 24	3412	2706	2206	66.17	80.80	3412	3442	2803	2424	70.38	85.19	3562	3802	2864	2535	75.17	82.38	3802
Day 25	3434	2809	2211	67.06	81.36	3434	3382	2674	2235	65.92	81.21	3382	3674	2848	2458	70.91	80.41	3674
Day 26	3285	2650	2210	63.76	80.86	3285	3655	2935	2424	71.98	82.05	3805	3846	2940	2696	76.85	83.27	3846
Day 27	3386	2705	2100	65.52	80.63	3386	3664	3004	2525	73.51	83.59	3814	3884	3017	2688	79.18	84.94	3884
Day 28	3124	2582	2180	60.51	80.70	3124	3721	3029	2486	74.10	82.99	3846	3874	3086	2772	79.26	85.23	3874
Day 29	3495	2744	2100	65.61	78.23	3495							3790	3068	2782	78.79	86.63	3890
Day 30	3524	2803	2210	67.18	79.43	3524							3639	2934	2598	72.79	83.35	3639
Day 31	3383	2810	2216	67.22	82.80	3383							3683	2950	2296	75.80	85.75	3683

TABLE 32

PERCENTAGE SALES AND REVENUE - CATEGORY WISE

(All figures in %)

Year	Domestic		Commercial		Industrial LT		HT & EHT		Agriculture		Public Water Works*		Public Lighting		Licensees		Export		Railway Traction	
	Sales	Revenue	Sales	Revenue	Sales	Revenue	Sales	Revenue	Sales	Revenue	Sales	Revenue	Sales	Revenue	Sales	Revenue	Sales	Revenue	Sales	Revenue
1998-99	45.73	27.11	8.57	19.42	6.32	8.33	29.78	47.88	3.87	1.78	2.27	2.48	1.53	1.37	1.81	1.53	-	-	0.12	0.10
1999-00	46.22	22.59	8.36	22.02	6.35	9.24	28.85	38.58	3.83	1.55	2.62	2.88	1.82	1.32	1.77	1.60	-	-	0.18	0.22
2000-01	45.44	21.78	8.02	20.89	6.28	9.88	30.39	39.80	3.39	1.35	2.57	2.99	1.75	1.25	1.78	1.61	-	-	0.38	0.45
2001-02	42.81	20.80	12.81	23.99	6.83	11.02	27.55	36.41	2.16	0.87	3.55	3.26	1.74	1.18	2.01	1.65	-	-	0.54	0.43
2002-03	43.42	22.41	13.85	20.97	7.76	10.90	28.48	40.00	2.09	0.68			1.78	1.02	2.09	1.51	-	1.92	0.53	0.59
2003-04	44.93	25.53	14.73	20.99	8.42	11.08	25.05	37.94	2.37	0.71			1.86	1.02	2.11	2.10	-	-	0.52	0.61
2004-05	44.43	25.76	13.71	21.72	8.34	11.13	29.44	37.07	2.13	0.63			1.95	1.14	2.25	1.97	-	-	0.46	0.55
2005-06	42.81	23.68	10.02	21.51	8.01	10.76	26.44	33.51	1.74	0.56			1.91	1.13	2.72	2.40	5.82	10.86	0.53	0.58
2006-07	42.12	21.68	10.06	20.53	7.55	9.66	24.90	30.29	1.78	0.56			1.85	1.07	2.71	2.31	8.46	13.30	0.58	0.60
2007-08	41.83	20.50	10.29	19.61	7.35	8.69	23.44	26.82	1.72	0.52			1.86	1.01	2.66	2.17	10.06	19.84	0.82	0.83
2008-09	46.06	23.21	11.66	22.82	7.88	9.54	23.19	29.28	1.75	0.62			2.29	1.20	2.47	2.95	3.60	8.96	1.10	1.38
2009-10	46.70	26.44	12.76	26.53	7.57	9.56	24.32	21.22	1.83	0.59			2.16	1.23	2.94	3.05	0.55	9.54	1.70	1.38
2010-11	46.86	26.23	19.14	27.14	7.18	8.86	18.38	29.10	1.63	0.51			1.81	1.08	3.05	3.14	0.89	2.69	1.07	1.24
2011-12	47.62	27.39	13.23	28.48	6.78	8.25	23.67	28.62	1.77	0.55			1.82	1.14	2.92	3.28	1.24	1.19	0.95	1.10
2012-13	49.37	29.82	13.21	25.69	6.54	8.13	23.19	29.71	1.82	0.65			1.86	1.31	2.97	3.53	0.01	0.01	1.03	1.14
2013-14	46.32	27.06	11.81	21.08	5.81	6.84	21.39	25.83	1.64	0.57			1.69	1.19	2.77	2.94	7.50	13.40	1.06	1.08
2014-15	49.87	32.15	12.87	21.99	5.84	7.13	22.04	26.13	1.59	0.61			1.84	1.39	2.95	3.17	1.91	6.27	1.09	1.14
2015-16	51.31	35.70	14.12	23.35	5.69	7.12	21.19	26.86	1.44	0.63			1.89	1.49	2.98	3.31	0.28	0.40	1.10	1.15
2016-17	51.18	35.82	14.73	24.55	5.63	6.84	20.55	25.86	1.60	0.92			1.87	1.42	3.05	3.29	0.25	0.11	1.14	1.18
2017-18	50.36	35.80	14.59	23.86	5.30	6.71	21.60	26.75	1.65	0.52			1.78	1.41	2.90	3.19	0.56	0.42	1.27	1.33

* included in Industrial LT from 2002-03

TABLE 33

LIST OF EHT CONSUMERS

SI No.	Consumer Code	Name of Consumer	Tariff	Supply Voltage	Contract Demand (kVA)	Recorded MD (Z1) (kVA)	Recorded MD (Z2) (kVA)	Recorded MD (Z3) (kVA)	Annual consumption (kWh)	Product
1	13/1306	APOLLO TYRES LTD	EHT I (66 kV) INDUSTRIAL	66kV	10000	8938	8356	8368	53,937,670	Tyre
2	12/941	AUTOKAST LIMITED	EHT II (110 kV) INDUSTRIAL	110kV	3000	2070	1880	1860	7,170,808	Fast gray iron & cast iron
3	31/3416	BELIEVERS CHURCH	EHT GENERAL (A)	110kV	2000	1510	1280	1098	10,057,428	Church, College
4	15/3809	BHARAT PETROLEUM CORPORATION LTD	EHT II (110 kV) INDUSTRIAL	110kV	2600	2200.2	2185.2	2180.04	10,429,720	Petroleum products
5	16/1666	BHARATH PETROLEUM CORPORATION, ERNAKULAM	EHT II (110 kV) INDUSTRIAL	110kV	850	885	909	1016.9	8,811,600	Petroleum products
6	7/701	BINANI ZINC LTD	EHT II (110 kV) INDUSTRIAL	110kV	18000	0	0	0	242,800	Zinc, Sulphuric acid, Cadmium
7	8/1234	CARBORUNDUM UNIVERSAL LTD, EDAPPALLY	EHT I (66 kV) INDUSTRIAL	66kV	18000	17819	18141	17675	84,128,366	Brown fused alumina. (Power Intensive)
8	8/854	CARBORUNDUM UNIVERSAL LTD, KORATTY	EHT II (110 kV) INDUSTRIAL	110kV	7500	5653	5716	5680	43,572,555	Abressive grains (Power Intensive)
9	29/3507	COCHIN INTERNATIONAL AIRPORT	EHT GENERAL (B)	110kV	6000	5298	5562	5253	8,774,106	Air port
10	2/201	COCHIN REFINERIES LTD	EHT III (220 kV) INDUSTRIAL	220kV	40000	15380	16680	15760	54,718,379	Petroleum products
11	21/845	COCHIN SHIPYARD LIMITED	EHT I (66 kV) INDUSTRIAL	66kV	8500	6870	4274	3946	31,156,640	Ship building
12	5/202	FACT COCHIN DIVISION	EHT II (110 kV) INDUSTRIAL	110kV	12000	11562	8442	9814	54,222,350	Fertizer
13	5/501	FACT ,UDYOGAMANDAL	EHT II (110 kV) INDUSTRIAL	110kV	14000	9678	8868	8688	57,175,850	Fertizer
14	8/4208	GOVERNMENT MEDICAL COLLEGE, KALAMASSERY	EHT GENERAL (A)	110kV	1000	612	494	466	3,406,270	Hospital
15	4/437	GRASIM INDUSTRIES LTD	EHT I (66 kV) INDUSTRIAL	66kV	500	26.1	26.6	34.7	139,300	
16	1/124	GTN TEXTILES LTD	EHT II (110 kV) INDUSTRIAL	110kV	4500	3534	3490	3442	34,886,180	Yarn
17	3/325	HINDALCO INDUSTRIES LTD	EHT II (110 kV) INDUSTRIAL	110kV	5000	3038	3042	3066	13,630,120	Aluminium billets & extrusion press

Table 33 continued

TABLE 33

LIST OF EHT CONSUMERS

SI No.	Consumer Code	Name of Consumer	Tariff	Supply Voltage	Contract Demand (kVA)	Recorded MD (Z1) (kVA)	Recorded MD (Z2) (kVA)	Recorded MD (Z3) (kVA)	Annual consumption (kWh)	Product
18	8/851	HINDUSTAN MACHINE TOOLS LTD	EHT I (66 kV) INDUSTRIAL	66kV	2900	2410	740	690	2,585,650	Printing machines
19	11/1141	HINDUSTAN NEWS PRINT LTD	EHT II (110 kV) INDUSTRIAL	110kV	22000	21380	16220	21500	87,689,989	Newsprint
20	15/1515	HINDUSTAN ORGANIC CHEMICALS LTD	EHT I (66 kV) INDUSTRIAL	66kV	9000	7554	7572	7320	45,842,200	Chemicals
21	13/1320	INDIAN TELEPHONE INDUSTRIES	EHT I (66 kV) INDUSTRIAL	66kV	1500	1135	1000	280	3,111,050	Electronic telephone exchanges
22	1/153	INDSIL ELECTROMELTS LTD	EHT I (66 kV) INDUSTRIAL	66kV	14000	10515	10290	10173	76,160,070	Silica, Manganese (Power Intensive)
23	13/1351	INTERNATIONAL AIRPORT AUTHORITY OF INDIA	EHT GENERAL (B)	66kV	3000	2361.15	2477.62	2188.95	17,193,770	Airport
24	18/635	KERALA MINERALS & METALS LTD.	EHT II (110 kV) INDUSTRIAL	110kV	12500	10810	10558	10800	77,447,000	Titanium dioxide pigment
25	26/7876	KOCHI METRO RAIL PROJECT	KMRL(Kochi Metro Rail Ltd)	110kV	5500	4675	4912.5	4600	46,163,108	Metro Railway
26	2/3737	KOCHI REFINERIES LTD - PUMPING STATION	EHT I (66 kV) INDUSTRIAL	66kV	1400	1372.8	1378.7	1380.9	8,119,100	Water pumping facility
27	7/716	MADRAS RUBBER FACTORY LTD(MRF)	EHT II (110 kV) INDUSTRIAL	110kV	10000	7796	7172	6988	49,370,025	Rubber products
28	15/14/1337	MALABAR CEMENTS, WALAYAR	EHT II (110 kV) INDUSTRIAL	110kV	10000	9207	6596	9100	44,224,027	Cement
29	31/4352	MPS STEEL CASTINGS PVT.LTD	EHT II (110 kV) INDUSTRIAL	110kV	2000	84.4	61.3	61.3	5,681,100	Steel(Power Intensive)
30	19/4025	PARAGON STEELS PVT. LTD.-UNIT II	EHT II (110 kV) INDUSTRIAL	110kV	7000	5916.3	5368.2	5983.5	27,759,800	Steel(Power Intensive)
31	26/7324	PATSPIN INDIA LTD	EHT II (110 kV) INDUSTRIAL	110kV	4400	3854	3764	3780	29,102,200	
32	9/333	PHILLIPS CARBON BLACK LTD	EHT I (66 kV) INDUSTRIAL	66kV	1500	4576	4266	4604	3,052,000	Carbon black
33	9/731	PRECOT MERIDIAN 'A' UNIT	EHT I (66 kV) INDUSTRIAL	66kV	4500	3866	3838	3884	39,174,150	Cotton yarn
34	9/4487	PRECOT MERIDIAN LTD (C & D UNITS)	EHT II (110 kV) INDUSTRIAL	110kV	2700	2260	2280	2276	17,883,710	Cotton yarn

Table 33 continued

TABLE 33

LIST OF EHT CONSUMERS

SI No.	Consumer Code	Name of Consumer	Tariff	Supply Voltage	Contract Demand (kVA)	Recorded MD (Z1) (kVA)	Recorded MD (Z2) (kVA)	Recorded MD (Z3) (kVA)	Annual consumption (kWh)	Product
35	4/438	PREMIER TYRES LTD	EHT I (66 kV) INDUSTRIAL	66kV	4750	3594	3360	3052	22,363,000	Automobile Tyres
36	8/1140	SAINT GOBAIN INDIA (P) LIMITED	EHT I (66 kV) INDUSTRIAL	66kV	9000	7342	7346	7130	41,815,670	Power Incentive
37	30/3607	SOUTHERN RAILWAY, TRACTION SUB STATION, CHALAKUDY	EHT II (110 kV) RT	110kV	9500	9881.25	8311.13	9755.63	37,836,850	Railway Traction
38	30/4748	SOUTHER RAILWAY, TRACTION SUB STATION, CHINGAVANAM	EHT II (110 kV) RT	110kV	7000	7418.5	5145	5010	23,492,285	Railway Traction
39	30/8000	SOUTHERN RAILWAY, TRACTION SUBSTATION, ELATHUR	EHT II (110 kV) RT	110kV	6000	6560	8420	7360	15,224,300	Railway Traction
40	30/3899	SOUTHERN RAILWAY, TRACTION SUB STATION, KADAVANTHRA	EHT II (110 kV) RT	110kV	8000	7886.25	7359.75	8085.75	28,649,551	Railway Traction
41	30/3116	SOUTHERN RAILWAY, TRACTION SUB STATION, KANJIKODE	EHT II (110 kV) RT	110kV	12500	10788.5	11866	11893	27,346,050	Railway Traction
42	30/4462	SOUTHERN RAILWAY, TRACTION SUB STATION, KAZHAKUTTAM	EHT II (110 kV) RT	110kV	8500	8642.5	9167.5	8205.5	24,513,825	Railway Traction
43	30/7701	SOUTHERN RAILWAY, TRACTION SUB STATION, KANNUR	EHT II (110 kV) RT	110kV	6000	4695.8	3340	3405	9,955,550	Railway Traction
44	30/8080	SOUTHER RAILWAY, TRACTION SUB STATION, PALAKKAD	EHT II (110 kV) RT	110kV	6000	5920	5120	4220	16,808,933	Railway Traction
45	30/4619	SOUTHERN RAILWAY, TRACTION SUB STATION, PERINAD	EHT II (110 kV) RT	110kV	10500	9555.1	10214	9400.8	31,080,400	Railway Traction
46	30/4337	SOUTHERN RAILWAY, TRACTION SUB STATION, PUNNAPRA	EHT II (110 kV) RT	110kV	5000	4436	0	0	15,415,290	Railway Traction
47	30/3444	SOUTHER RAILWAY, TRACTION SUB STATION, SHORANUR	EHT II (110 kV) RT	110kV	12000	9936	9729	9711	37,779,863	Railway Traction
48	7/702	STEEL COMPLEX LTD	EHT II (110 kV) INDUSTRIAL	110kV	3000	71.4	67.2	67.8	4,671,850	Mild steel billet
49	6/602	TRANSFORMERS & ELECTRICALS KERALA LTD	EHT I (66 kV) INDUSTRIAL	66kV	2000	1398	934.73	946.1	4,637,800	Power transformer
50	1/102	TRAVANCORE COCHIN CHEMICALS LTD(TCC)	EHT II (110 kV) INDUSTRIAL	110kV	24000	19940	19900	19920	153,880,533	Chemicals
51	1/103	TRAVANCORE TITANIUM PRODUCTS LTD	EHT I (66 kV) INDUSTRIAL	66kV	3500	2370	1671	2301	11,536,800	Titanium dioxide
52	7/709	VIKRAM SARABHAI SPACE RESEARCH CENTRE, ISRO, THUMBA	EHT GENERAL (B)	110kV	12000	10728	3928	2728	30,705,815	Space Research
53	2/502	WESTERN INDIA PLYWOOD LTD	EHT II (110 kV) INDUSTRIAL	110kV	3500	3191.5	3045.2	2607.3	15,290,700	

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TABLE 34

LIST OF EHV AND 33 kV SUBSTATIONS

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
I. 400 kV Substation in operation									
1	Madakkathara	Thrissur	400/220	315	3	945	1993 & 1995	8	
			220/110	200	2	400			
			110/11	10	2	20			
1	Total					1365		8	
II. 220 kV Substations in operation									
1	Areacode	Malappuram	220/110	160	1	160	May-98	7	
			110/11	12.5	1	12.5			
			110/11	10	1	10			
2	Ambalamugal (BPCL)	Kalamassery	220/33	50	2	100	Apr-12, May-13	0	
3	Brahmapuram	Kalamassery	220/110	160	2	320	Nov-99	7	
			110/11	12.5	1	12.5			
			110/11	10	1	10			
4	Edamon	Kottarakara	220/110	200	1	200	1978, May-13	5	
			110/66	40	2	80			
			66/11	10	2	20			
5	Edappon	Alappuzha	220/110	200	2	400	May-09	10	
			110/66	63	2	126			
			110/33	16	1	16			
			66/11	10	3	30			
6	Kalamassery	Kalamassery	220/110	200	3	600	1965	8	10 MVA replaced with 20
			220/110	120	1	120			
			110/66	63	2	126			
			110/11	20	2	40	21.08.17 & 16.10.2017		
7	Kanhirode	Kannur	220/110	160	2	320	Sep-97	6	
			110/33	16	2	32	Feb-01, Aug-06		
			110/11	10	2	20	Sep-97		

Table 34 -220kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
8	Kaniyampetta	Kozhikode	220/66	50	2	100	1994	4	
			66/33	20	2	40			
			66/11	10	1	10			
			66/11	6.3	1	6.3			
9	Kundara	Kottarakara	220/110	200	2	400	Jan-06	16	
			110/11	12.5	3	37.5			
10	Malaparamba	Malappuram	220/110	100	2	200	Nov-07	6	
			110/11	12.5	2	25			
11	Mylatty	Kannur	220/110	100	2	200	Oct-98	9	1x31.5(GTR)
			110/11	10	2	20	Oct-98		
			110/11	12.5	1	12.5	April -15		
12	Nallalam	Kozhikode	220/110	100	2	200	1950	15	12.5 trfrs replaced with 20
			220/110	60	2	120			
			110/66	40	2	80			
			110/11	20	2	40	27.08.17 & 27.10.17		
			66/11	10	2	20			
			110/33	16	2	32			
13	New Pallom	Poovanthuruthu		-	-	0	Nov-99		Switching Station
14	Orkatteri (Vadakara)	Kozhikode	220/110	100	2	200	May-09	5	
			110/11	12.5	2	25	May-09, Feb-14		
15	Pallom	Poovanthuruthu	220/110	200	2	400	1965	8	
			110/66	63	3	189			
			66/11	10	2	20			
16	Palakkad	Palakkad	220/110	160	2	320	May-97	18	All 18 are 22kV feeders
			110/22	25	5	125	May-97, May-12		
17	Pothencode	Thiruvananthapuram	220/110	200	3	600	1989	11	
			110/11	12.5	3	37.5			
			110/11	10	1	10			

Table 34 -220kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
18	Punnappa	Alappuzha	220/110	200	1	200		7	
			110/66	63	2	126	1984		
			110/33	16	1	16	2008		
			66/11	10	2	20	1984		
19	Shornur	Palakkad	220/110	100	2	200	Jan-04	7	
			110/11	12.5	2	25			
20	Taliparamba	Kannur	220/110	100	2	200	Mar-05	7	
			110/33	16	2	32	Jul-03		
			110/11	10	2	20	May-98		
21	Solar Park, Ambalathara	Kannur	220/33	100	2	200	31.05.2017	1	New Substation
			33/11	5	1	5	30.12.2017		
22	New Kattakkada	Thiruvananthapuram	220/110	200	1	200	24.7.2017	0	New Substation
a	Moolamattom (Switch Yard)	Gen. Circle, Moolamattom	220/66	50	1	50	1976		Refer 66KV also
b	Moozhiar (Switch Yard)	Gen. Circle, Moozhiyar	220/66	50	1	50	1973		Refer 66KV also
22+ b	Total-220 kV Substations					7568.8		157	220KV SW Yards in system -2 Nos.
III. 110 kV Substations in operation									
1	Adimali	Thodupuzha	110/11	10	1	10	May-99	3	
2	Agastiamoozhi	Kozhikode	110/33	16	2	32	Jan-04	6	
			110/11	12.5	2	25	Mar-14		
3	Aluva	Kalamassery	110/66	63	2	126	Prior to the 1st Plan . 110kV in 1979	16	
			110/11	12.5	1	12.5			
			66/11	10	3	30			
4	Ambalappuram	Kottarakara	110/33	16	2	32	Mar-03	5	
			110/11	12.5	2	25			

Table 34 -110kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
5	Angamally	Thrissur	110/11	20	2	40		12	12.5 replaced with 20 on 27.07.2017
6	Arangottukara	Thrissur	110/11	12.5	1	12.5	Feb-14	4	
7	Aroor	Alappuzha	110/66	63	2	126	1994, Jan-05	10	
			66/11	10	3	30	1994		
8	Aruvikkara	Thiruvananthapuram	110/11	10	2	20	Aug-98	5	
9	Athani	Thrissur	110/33	16	1	16	2001	8	
			110/11	12.5	2	25	1992		
10	Attingal	Thiruvananthapuram	110/66	20	2	40	Mar-05	10	
			110/33	16	2	32	2010, 2012		
			110/11	12.5	1	12.5	Mar-05		
			66/11	10	2	20			
11	Ayarkunnam	Poovanthuruthu	110/11	12.5	2	25	Mar-10	6	
12	Ayathil	Kottarakara	110/11	12.5	3	37.5	Mar-09	12	
13	Ayyampuzha	Thrissur	110/11	12.5	1	12.5	May-11	4	
			110/11	10	1	10			
14	Azhikode	Kannur	110/33	16	2	32	2005/2017	5	
			110/11	12.5	2	25	Apr-00		
15	Chakkittapara	Kozhikode	110/11	12.5	1	12.5	Dec-04	5	
			110/11	10	1	10			
16	Chalakudy	Thrissur	110/66	50	2	100	2003, 2009	7	
			110/33	16	2	32			
			110/11	12.5	2	25			
17	Chavara	Kottarakara	110/11	12.5	2	25	Mar-10	8	
18	Chengalam	Poovanthuruthu	110/11	10	2	20	Nov-94, Feb-13	7	
			110/11	12.5	1	12.5			
19	Chengannur	Alapuzha	110/33	16	1	16	03/09	9	
			110/11	12.5	1	12.5	1990		
			110/11	10	1	10			

Table 34 -110kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
20	Chelari	Malappuram	110/33	16	2	32	2003, 2009	8	
			110/11	12.5	2	25	Feb-03		
21	Chellanam	Alapuzha	110/11	12.5	2	25	Mar-07	6	
22	Cherpu	Thrissur	110/33	16	1	16	2002	6	
			110/11	12.5	2	25	Dec-00		
23	Cherpulassery	Palakkad	110/11	12.5	2	25	Mar-04	5	
24	Cherupuzha	Kannur	110/11	10	2	20	Jun-98	4	
25	Cheruvathur	Kannur	110/33	16	2	32	Apr-02	5	
			33/11	5	2	10			
26	Chevayur	Kozhikode	110/66	25	2	50	1996	12	One 10 MVA replaced with 20
			110/11	20	2	40	1. March 2017		
			110/11	10	1	10			
27	Chovva	Kannur	110/11	12.5	1	12.5	Dec-10	8	
			110/11	10	1	10			
28	Edappal	Malappuram	110/11	12.5	2	25	Mar-00	7	
29	Edappally	Kalamassery	110/11	12.5	2	25	Mar-02	9	
			110/33	16	1	16	Nov-13		
30	Edarikode	Malappuram	110/33	16	2	32	May-03, Mar-14	9	
			110/11	12.5	3	37.5	May/2003		
31	Edathuva	Alapuzha	110/33	16	1	16	Mar-08	6	
			33/11	5	2	10			
32	Edayar	Kalamassery	110/11	12.5	2	25	Apr-00, Dec-13	12	
			110/11	10	1	10			
			66/11	10	1	10	Apr-00		
33	Erattupetta	Poovanthuruthu	110/11	12.5	2	25	Apr-01	6	

Table 34 -110kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
34	Ernakulam North	Kalamassery	110/11	12.5	2	25	06/2016 , 03/2017	13	
			66/11	10	1	10			
35	Erumeli	Poovanthuruthu	110/11	12.5	1	12.5	4.5.2017	4	New Substation
			110/11	10	1	10	23.2.2018		
36	Ezhimala	Kannur	110/11	12.5	1	12.5	Aug-01	3	
			110/11	10	1	10			
37	Gandhi Road (GIS)	Kozhikode	110/11	20	2	40	August-2016	13	
38	GIS, Kollam	Kottarakara	110/11	20	2	40	27.03.2017	6	
39	Guruvayoor	Thrissur	110/33	16	1	16	Dec-04	7	Capacity Enhanced to 20 MVA TFR
			110/11	20	2	40	31.08.17 & 22.09.17		
a	Idamalyar Switch Yard	Gen. Circle Kotamangalam	110/11	10	1	10	7/2017	3	Refer 66KV also
40	Irinjalakuda	Thrissur	110/33	16	2	32	Aug-03, Mar-06	6	
			110/11	10	2	20	Dec-00		
41	Iritty	Kannur	110/11	12.5	2	25	Jul-10	6	2nd 16 MVA commssnd on 21.10.17
			110/33	16	2	32	21.10.2017		
42	Kadavanthra	Kalamassery	110/11	10	3	30	Aug-97	9	
			110/11	12.5	1	12.5			
b	Kakkad (Switch Yard)	Gen Circle Moolamattom	110/11	12.5	2	25	1999	3	
c	Kakkayam (Switch Yard)	Gen Circle Kozhikkode	110/11	12.5	2	25	Sept -2012 ,May-2014	2	
43	Kalladikode	Palakkad	110/11	12.5	1	12.5	Mar-10	6	
			110/11	10	1	10			
44	Kaloor	Kalamassery	110/66	25	2	50	2008	13	
			110/11	12.5	3	37.5	1993		
			110/33	16	2	32	2012		
			66/11	10	1	10	2008		

Table 34 -110kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
45	Kandanad	Kalamassery	110/11	12.5	1	12.5	Jan-01	9	One 12.5 to 20 MVA Tfr enhanced
				20	1	20	17.08.2017		
46	Kandassankadavu	Thrissur	110/33	16	1	16	Dec-04	7	
			110/11	12.5	2	25			
47	Kanhangad	Kannur	110/33	16	2	32	1993	6	
			110/11	12.5	2	25	1968		
48	Kanjikode	Palakkad	110/66	63	2	126	Jul-10	9	4 Nunmber 22kV line
			66/22	10	2	20	1993		
			66/11	10	2	20			
49	Kanjirappally	Poovanthuruthu	110/11	12.5	2	25	Mar-15/Feb-17	8	Upgraded to 110kV in 25-3-2015
50	Kattakada	Thiruvananthapuram	110/11	10	2	20	1996, Mar-14	8	
			110/11	12.5	1	12.5	03/June/14		
51	Kattoor	Thrissur	110/11	12.5	2	25	Feb-14	6	
52	Kavanadu	Kottarakara	110/11	12.5	2	25	1993	10	
53	Kayamkulam	Alapuzha	110/33	16	1	16	Sep-09	9	
			110/11	12.5	1	12.5	Jun-99		
			110/11	10	2	20			
54	Kilimanoor	Thiruvananthapuram	110/33	16	2	32	2004, 2008	6	
			110/11	10	2	20	Dec-98		
55	Kinaloor	Kozhikode	110/11	12.5	1	12.5	26.11.2017	5	New Substation
56	Kizhakkambalam	Kalamassery	110/11	12.5	2	25	Feb-14	12	
			66/11	10	1	10	1985		
57	Kizhissery	Malappuram	110/33	16	2	32	2001, 2004	7	
			110/11	12.5	2	25	1990		
58	Kodakara	Thrissur	110/11	12.5	2	25	Apr-01, Jan-14	4	
59	Kodimatha	Poovanthuruthu	110/11	12.5	1	12.5	20.02.2016	9	
			110/11	10	1	10			

Table 34 -110kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
60	Koduvally	Kozhikode	110/11	12.5	2	25	Oct-09	6	
61	Kollengode	Palakkad	110/33	16	2	32	Dec-03	6	
			33/11	5	2	10			
62	Koodal	Pathanamthitta	110/11	12.5	2	25	May-13	6	
63	Koottanad	Palakkad	110/33	16	1	16	Jun-02	6	
			110/11	12.5	2	25	Mar-00		
64	Koppam	Palakkad	110/33	16	2	32	2002	7	
			110/11	12.5	1	12.5	Oct-13, 1995		
			110/11	10	1	10			
65	Kottarakara	Kottarakara	110/11	12.5	2	25	Dec-04	6	
66	Kottiyam	Kottarakara	110/33	16	2	32	2010	7	
			110/11	12.5	2	25	May-98		
67	Koyilandy	Kozhikode	110/33	16	1	16	2002	7	
			110/11	10	1	10	1985		
			110/11	20	1	20	27/10/2015		
68	Kozhenchery	Pathanamthitta	110/11	12.5	1	12.5	Mar-03	8	
			110/11	10	1	10			
69	Kozhinjampara	Palakkad	110/33	16	2	32	2009	6	
			110/11	12.5	2	25	Sep-08		
70	Kubanoor	Kannur	110/11	12.5	1	12.5	1983	3	
			110/11	10	1	10			
71	Kunnamangalam	Kozhikode	110/66	40	2	80	Nov-00	6	
			66/11	10	2	20	1997		
72	Kunnamkulam	Thrissur	110/33	16	1	16	Feb-05	7	
			110/11	12.5	2	25	May-04		
73	Kurumassery	Kalamassery	110/33	16	2	32	Dec-00	0	
74	Kuthuparamba	Kannur	110/11	12.5	2	25	1990	6	

Table 34 -110kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
75	Kuthungal	Thodupuzha	110/33	16	1	16	Mar-14	2	
			33/11	5	1	5	Mar-14		
76	Kuttiapuram	Malappuram	110/11	12.5	1	12.5	Oct-00	10	
			110/11	10	2	20	Jan-14		
			110/33	16	1	16	Mar-14		
77	Kuttiyadi	Kozhikode	110/33	16	1	16	2012	6	2nd 10MVA TRFR is replaced with 12.5MVA
			110/11	12.5	2	25	1990, 23.11.17		
78	Mahe (Pondicherry Govt) **	Kannur	110/11	10	2	20	1989		2x10 MVA ,Now feeding in RCA
79	Malampuzha	Palakkad	110/11	10	2	20	1994	8	
80	Malappuram	Malappuram	110/66	40	2	80	1976	8	
			110/33	16	1	16	2001		
			110/11	12.5	3	37.5	1976		
81	Malayattur	Thrissur	110/33	16	2	32	Mar-05	6	
			110/11	10	2	20	Jun-05		
82	Mallappally	Pathanamthitta	110/33	16	1	16	Dec-03	7	
			110/11	12.5	1	12.5	May-00		
			110/11	10	1	10			
83	Manjeri	Malappuram	110/11	20	1	20	3.01.2018	6	upgraded from 66
			66/11	10	1	10	1991		
84	Mangad	Kannur	110/11	12.5	2	25	1976	8	
85	Manjeswaram	Kannur	110/11	12.5	1	12.5	May-97	4	
			110/11	10	1	10			
86	Mannarkkad	Palakkad	110/33	16	2	32	Oct-01	5	
			110/11	10	1	10	1990		
			110/11	12.5	1	12.5	09/08/2015		
87	Mattanchery	Kalamassery	110/66	25	2	50	Apr-02	11	
			66/11	10	2	20	1972		
			66/11	8	1	8			

Table 34 -110kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
88	Mattanur	Kannur	110/33	16	2	32	Jul-10	6	
			110/11	12.5	2	25	Jul-10		
89	Mavelikkara	Alappuzha	110/66	40	2	80	Dec-09	8	
			66/11	10	3	30	Dec-09		
90	Medical College	Thiruvananthapuram	110/11	12.5	2	25	May-98	8	
			110/11	10	1	10			
			110/33	16	1	16	15.05.207		
91	Melattur	Malappuram	110/33	16	1	16	Jan-06	3	
			110/11	12.5	1	12.5			
92	Meppayur	Kozhikode	110/33	16	2	32	Aug-04	4	
			33/11	5	2	10			
93	Mulleria	Kannur	110/33	16	1	16	Mar-01	5	
			110/11	10	2	20			
94	Mundayadu	Kannur	110/66	40	2	80	1966	9	
			110/33	16	1	16	2001		
			110/11	12.5	2	25	1966		
			66/11	10	1	10			
95	Muttom	Thodupuzha	110/11	12.5	1	12.5	22.01.2018	3	New Substation
96	Muvattupuzha	Thodupuzha	110/33	16	2	32	2004	9	
			110/11	12.5	3	37.5	1989, Dec-13		
97	Myloor (Pothanikad)	Thodupuzha	110/11	12.5	2	25	Mar-10	4	
98	Nadapuram	Kozhikode	110/33	16	1	16	Dec-13	5	
			110/11	12.5	2	25	Feb-01		
99	Nedumangadu	Thiruvananthapuram	110/33	16	2	32	2009	9	
			110/11	10	2	20	Jun-05		
d	Neriamangalam	Gen. circle, Meencut	110/11	10	1	10		4	
100	New Vyttila	Kalamassery	110/11	12.5	2	25	Dec-09	7	

Table 34 -110kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
101	North Paravur	Kalamassery	110/33	16	2	32	2005	7	
			110/11	12.5	1	12.5	1989		
			66/11	10	1	10			
102	Ollur	Thrissur	110/33	16	2	32	2001	9	12.5 added on 13.04.17
			110/11	12.5	3	37.5	Jan-01, Sep-13, Apr-17		
			66/11	10	2	20	Aug-01		
103	Ottapalam	Palakkad	110/11	12.5	2	25	1989	5	
104	Pala	Poovanthuruthu	110/66	40	2	80	1985	8	
			110/33	16	2	32	2009		
			66/11	10	2	20	1985		
105	Panangad	Kalamassery	110/11	12.5	2	25	28. May 2012	4	
106	Pampady	Poovanthuruthu	110/11	12.5	2	25	27.01.16 29.04.16	7	Upgraded to 110kV in 27.01.16
107	Panoor	Kannur	110/33	16	1	16	2003	5	
			110/11	10	2	20	1994		
108	Parali	Palakkad	110/33	16	2	32	2005	6	
			110/11	10	2	20	1988		
109	Parassala	Thiruvananthapuram	110/66	50	2	100	May-00	6	
			110/33	16	2	32	2008		
			110/11	12.5	2	25	May-00		
110	Parappanagadi	Malappuram	110/11	12.5	2	25	30.12.2016	6	
111	Parippally	Kottarakara	110/33	16	1	16	Nov-13	8	
			110/11	12.5	2	25	Sep-10		
112	Paruthippara	Thiruvananthapuram	110/66	63	2	126	1978	15	
			110/11	20	3	60			

Table 34 -110kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
113	Pathanamthitta	Pathanamthitta	110/33	16	2	32	2003	10	
			110/11	12.5	3	37.5	1999, Aug-14		
114	Pathanapuram	Kottarakara	110/11	12.5	2	25	Sep-09	8	
115	Pathirippala	Palakkad	110/11	12.5	1	12.5	Oct-13	4	
			110/11	10	1	10	Aug-11,		
116	Payyangadi	Kannur	110/11	12.5	2	25	Dec-97	5	
117	Payyannur	Kannur	110/33	16	1	16	2006	9	
			110/11	12.5	2	25	Apr-81		
			110/11	10	1	10			
118	Pazhayannur	Thrissur	110/11	12.5	1	12.5	Apr-97	4	
			110/11	10	1	10			
119	Perinadu	Kottarakara	110/11	12.5	2	25	08/02/16	4	
120	Perinthalmanna	Malappuram	110/11	20	2	40	31.03.2017	7	10MVA replaced with 20 on 22.01.2018
121	Perumbavoor	Thodupuzha	110/33	16	1	16	Jun-03	10	
			110/11	12.5	1	12.5			
			66/11	10	2	20			
122	Pinarayi	Kannur	110/33	16	2	32	Mar-01	4	
			33/11	5	2	10			
123	Piravom	Thodupuzha	110/11	12.5	1	12.5	4-2014	11	
			110/11	10	2	20	1994, Jan-05		
124	Ponnani	Malappuram	110/11	12.5	2	25	Jan-03	6	
125	Pullazhy	Thrissur	110/11	20	2	40	Mar-08	7	12.5MVA replaced with 20 on 25.04.17
126	Pudukkad	Thrissur	110/11	12.5	2	25	18-5-2015 31-7-2015	7	

Table 34 -110kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
127	Punalur	Kottarakkara	110/11	12.5	2	25	January-03	9	
128	Punnayamkulam	Thrissur	110/11	12.5	2	25	August-05	6	
129	Ranni	Poovanthuruthu	110/11	12.5	2	25	March-01	6	
130	Rayonpuram	Thodupuzha	110/11	12.5	2	25	Sept-11,Nov-2013	3	
131	Sasthamcotta	Kottarakara	110/66	20	1	20	1993	10	
			110/11	12.5	1	12.5			
			110/11	10	2	20			
			110/66	40	1	40			
e	Sengulam Switch Yard	Gen Circle Meencut	110/66	40	1	40	1958		See 66kV also
			25	1	25				
f	Sholayar Switch Yard	Gen,Circle ,Thrissur	110/11	10	1	10	1966	2	
132	S.L. Puram (Kanjikuzhi)	Alappuzha	110/11	12.5	2	25	Aug-09	6	
133	Technopark (Kazhakuttam)	Thiruvananthapuram	110/11	12.5	2	25	Jun-99	12	
			110/11	10	1	10			
			110/11	20	1	20			
134	TERLS	Thiruvananthapuram	110/66	40	2	80	Nov-04	9	
			110/11	12.5	2	25			
135	Thalassery	Kannur	110/11	12.5	2	1-25	1990	12	
			110/11	10	1	10			
136	Thirumala	Thiruvananthapuram	110/66	63	1	63	Aug-2000	17	
			110/33	16	2	32	01-04-2012		
			110/11	20	3	60	05.06.2015		
137	Thrikodithanam	Poovanthuruthu	110/11	12.5	2	25	Mar-08	6	
			110/33	16	1	16	Feb-13		
138	Thycattusery	Alappuzha	110/33	16	2	32	2008	6	
			110/11	10	2	20	Dec-03		
139	Tirur	Malappuram	110/11	12.5	3	37.5	Apr-00	12	

Table 34 -110kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
140	Udumbannoor	Thodupuzha	110/33	16	2	32	Apr-05	4	
			33/11	5	2	10	Dec-05		
141	Vadakara	Kozhikode	110/33	16	1	16	2008	8	
			110/11	12.5	3	37.5	1970		
142	Vadakkanchery	Palakkad	110/33	16	2	32	2006, 2010	6	
			110/11	12.5	1	12.5	Mar-99		
			110/11	10	1	10			
143	Vaikom	Poovanthuruthu	110/66	40	2	80	1971	7	
			110/33	16	1	16	2009		
			110/11	12.5	1	12.5	1971		
			110/11	10	2	20	July/2013		
144	Valapad	Thrissur	110/33	16	2	32	Dec-05	7	
			110/11	10	2	20	Dec-00		
145	Varkala	Thiruvananthapuram	110/11	10	2	20	Oct-06, Jun-14	10	
			110/11	12.5	1	12.5			
146	Valiavelicham	Kannur	110/11	12.5	1	12.5	27.03.2018	1	New
147	Veli	Thiruvananthapuram	110/11	20	1	20	28.03.2018	9	upgraded from 66
			66/11	10	1	10	1973		
			66/11	8	2	16			
148	Vennakkara	Palakkad	110/66	40	1	40	1971	12	
			110/33	16	2	32	April/2015		
			110/11	12.5	2	25			
			66/11	10	1	10	1971		
149	Vidya Nagar	Kannur	110/33	16	2	32	29.4.17	8	2nd 16 MVA installed on 29.04.17
			110/11	20	2	40	11.08.1974		
150	Viyyur	Thrissur	110/66	63	2	126	1998	9	
			110/33	16	2	32	2007		
			110/11	12.5	2	25	1998		

Table 34 -110kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
151	Vytila	Kalamassery	110/66	63	1	63	1978	9	
			110/66	40	1	40	1978		
			110/11	12.5	2	25	2007		
152	Wadakkanchery	Thrissur	110/33	16	1	16	Dec-05	6	
			110/11	12.5	2	25			
153	Walayar	Palakkad	110/22	25	1	25	Mar-11	0	4 Number 22kV Feeders
154	West Hill	Kozhikode	110/11	12.5	3	37.5	1980	13	
155	Willington Island	Kalamassery	110/11	10	2	20	Nov-97	6	
155+f	Total-110 kV Substations					7899.00		1119	110KV SW Yards in system -6 Nos.
IV. 66 kV Substations in operation									
1	Adoor	Pathanamthitta	66/11	10	2	20	1979	7	
2	Alappuzha	Alappuzha	66/11	10	1	10	Prior to 1st Plan	10	
			66/11	16	2	16	July-16		
3	Anchal	Kottarakara	66/11	10	2	20	February-11	7	
4	Anchukunnu	Malappuram	66/11	5	1	5	Nov-12	3	5 MVA replaced with 10
			66/11	10	1	10	13.6.17		
5	Ayoor	Kottarakara	66/11	10	2	20	1993	7	
6	Balaramapuram	Thiruvananthapuram	66/11	10	2	20	January-14	3	
7	Changanassery	Poovanthuruthu	66/11	10	3	30	1979	9	
8	Cherthala	Alappuzha	66/11	10	3	30	1968	9	
9	Chittoor	Palakkad	66/11	10	2	20	1990	7	
10	Chumathra	Pathanamthitta	66/11	10	1	10	1989	8	
			66/11	6.3	1	6.3			
11	Cyber Park	Kozhikode	66/11	10	1	10	01.06.2017	0	New Substation
12	Edakkara	Malappuram	66/11	10	2	20	February/2016	4	

Table 34 -66kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
13	Edathala	Kalamassery	66/11	10	3	30	1993/2017	9	3rd 10 MVA commsnd on 05.06.2017
14	Ettumanoor	Poovanthuruthu	66/11	10	3	30	1965	9	
15	Fort Kochi (GIS)	Kalamassery	66/11	10	2	20	December/2006	6	
16	Gandhinagar	Poovanthuruthu	66/11	10	3	30	1987	7	
a	Idamalyar Switch Yard	Gen. Circle Kotamangalam	66/11						Under upgradation
17	Kakkanad (CEPZ)	Kalamassery	66/11	16	2	32	1987	14	
18	Kannampully	Palakkad	66/11	4	2	8	1976	4	
19	Karimanal	Thodupuzha	66/11	6.3	1	6.3	1987	2	
		Thodupuzha	66/11	650	1	650			
20	Karukutty	Thrissur	66/11	10	2	20	1971	8	
21	Karunagappally	Kottarakara	66/11	10	3	30	1994	10	
22	Karuvatta	Alappuzha	66/11	10	2	20	1972	6	
23	Kattappana	Thodupuzha	66/11	10	1	10	1992	5	
		Thodupuzha	66/11	6.3	1	6.3			
24	Kochu pampa	Pathanamthitta	66/11	4	2	8	December/1998	4	
25	Kodungallur	Thrissur	66/11	10	2	20	1980	6	
		Thrissur	66/11	6.3	1	6.3			
26	Koothattukulam	Poovanthuruthu	66/11	10	1	10	20.6.14	5	
			66/11	6.3	1	6.3	1973		
27	Kothamangalam	Thodupuzha	66/11	10	3	30	Prior to I plan	10	
28	Kottayam (Kanjikuzhy)	Poovanthuruthu	66/11	10	3	30	1975	9	
29	Kulamavu	Thodupuzha	66/11	4	1	4	1967	3	
30	Kuravilangadu	Poovanthuruthu	66/11	10	2	20	January/2005	5	
31	Kuthumunda	Kozhikode	66/11	10	2	20	Prior to Ist plan	6	
32	Kuttanadu	Alappuzha	66/11	10	2	20	1973	8	
33	Kuttikattoor	Kozhikode	66/11	10	2	20	1974	9	
		Kozhikode	66/11	8	1	8			

Table 34 -66kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
34	LA Complex (GIS)	Thiruvananthapuram	66/11	16	2	32	May-05	8	
35	Madura Coats (Koratty)	Thrissur	66/11	6.3	1	6.3	1982	2	
36	Mala	Thrissur	66/11	10	2	20	15. June 1905	6	
37	Mananthavady	Kozhikode	66/11	10	2	20	8. May 1905	6	
38	Mankada	Malappuram	66/11	10	1	10	Sept-2005	3	
39	Mankavu	Kozhikode	66/11	10	1	10	Prior to 1st plan	9	
			66/11	8	2	16			
40	Maradi	Thodupuzha	66/11	10	1	10	29.03.2018	1	New Substation
41	Marine Drive GIS	Kalamassery	66/11	16	2	32	November-07	8	
b	Moolamattom (Switch Yard)	Gen. Circle, Moolamattom	66/11	6.3	2	12.6	1976	4	
c	Moozhiar (Switch Yard)	Gen. Circle, Moozhiyar	66/11	4	1	4	1973	2	
42	Mavoor (Ambalaparamba)	Kozhikode	66/11	6.3	1	6.3	26. May 1905	4	6.3 MVA replaced with 10 MVA
			66/11	10	1	10	30.12.17		
43	Mulavukadu	Kalamassery	66/11	6.3	1	6.3	1. February 2001	3	
			66/11	4	1	4			
44	Mundakkayam	Poovanthuruthu	66/11	10	2	20	November-1997	6	
			66/11	16	1	16	August-2015		
45	Nangiarkulangara	Alappuzha	66/11	10	2	20	1990, Nov-2014	8	
			66/11	8	1	8			
46	Nedumkandom	Thodupuzha	66/33	20	1	20	2006, 2010	4	
			66/11	8	2	16			
47	Nedumpoil	Kannur	66/11	6.3	2	12.6	1971	3	
48	Nemmara	Palakkad	66/11	8	2	16	1976	5	
49	Neyyattinkara	Thiruvananthapuram	66/11	10	2	20	1968	9	
			66/11	8	1	8			
50	Nilambur	Malappuram	66/33	16	1	16	Aug-13	6	
			66/11	10	2	20	1979		
51	Njarakkal	Kalamassery	66/11	10	2	20	1973	8	
		Kalamassery	66/11	8	1	8			
52	Odakkali	Thodupuzha	66/11	10	1	10	31.03.2018	3	New Substation

Table 34 -66kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
53	Palakkad Medical College (Chandranagar)	Palakkad	66/11	10	2	20	28.03.2016	6	
d	Pallivasal Switch Yard	Gen. circle, Meencut	66/11	10	3	30	1940, Feb-12	9	
54	Palode	Thiruvananthapuram	66/11	10	1	10	2010	6	
			66/11	5	1	5	1980		
55	Panampally Nagar	Kalamassery	66/11	10	2	20	1989	6	
56	Pathirappally	Alappuzha	66/11	10	2	20	1978	8	
57	Peerumedu	Thodupuzha	66/33	16	1	16	2009	6	One 5MVA is replaced with 6.3MVA
			66/11	5	1	5	1975		
			66/11	6.3	1	6.3			
58	Perumanoor (Shipyard)	Kalamassery	66/11	10	2	20	1972	11	
			66/11	12.5	1	12.5			
59	Powerhouse (GIS)	Thiruvananthapuram	66/11	16	2	32	Jan-05	8	
60	Puthencruz	Kalamassery	66/11	10	2	20	1984	9	
61	Puthiyara (GIS)	Kozhikode	66/11	16	2	32	Mar-04	8	
e	Sengulam Switch Yard	Gen Circle Meencut	66/11	10	1	10	1958	4	
62	Sreekantapuram	Kannur	66/11	10	2	20	Apr-97	8	
63	Sultan Bathery	Kozhikode	66/11	10	1	10	1986	4	
			66/11	6.3	1	6.3			
64	Thamarassery	Kozhikode	66/11	10	2	20	1965	6	
65	Thenmala	Kottarakara	66/11	6.3	1	6.3	04/10/2015	5	
66	Thiruvalla	Pathanamthitta	66/11	10	2	20	2010	8	
			66/11	7.5	1	7.5			
67	Thodupuzha	Thodupuzha	66/11	10	3	30	1980	10	
68	Thrikkakara (NPOL)	Kalamassery	66/11	10	1	10	1990	9	
			66/11	8	2	16			
69	Triveni	Pathanamthitta	66/11	4	2	8	Oct-05	3	
70	Vandiperiyar	Thodupuzha	66/11	10	2	20	29-9-2005	4	
			66/11	6.3	1	6.3	1990		

Table 34 -66kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
71	Vattiyoorkavu	Thiruvananthapuram	66/11	10	2	20	Nov-04	8	
72	Vazhathoppu	Thodupuzha	66/11	10	1	10	01/13	5	
			66/11	8	1	8	1966		
73	Vizhinjam	Thiruvananthapuram	66/11	10	2	20	1976	8	
			66/11	4	1	4			
74	Walayar Quarry(MCL)	Palakkad	66/11	2	1	2	1982	0	
74+e	Total-66 kV Substations					2275.80		486	66kV SW Yards in system -5 Nos.
V. 33 kV Substations in operation									
1	Agali	Palakkad	33/11	5	2	10	Dec-02	6	
2	Adichanalloor	Kottarakara	33/11	5	2	10	Mar-10	4	
3	Alakkode	Kannur	33/11	5	2	10	Nov-09	3	
4	Alanallur	Palakkad	33/11	5	2	10	May-04	4	
5	Alangad	Kalamassery	33/11	5	2	10	Aug-09	4	
6	Alathur	Palakkad	33/11	5	2	10	Jul-06	3	
7	Annamanada	Thrissur	33/11	5	2	10	Aug 2, 2016	4	
8	Ananthapuram	Kannur	33/11	8	2	16	27.07.17 &17.08.17	4	Ench 5 MVA to 8 MVA
9	Anchangadi	Thrissur	33/11	5	2	10	Mar-05	3	
10	Anthikad	Thrissur	33/11	5	1	5	650	2	
11	Aryanad	Thiruvananthapuram	33/11	5	1	5	31.03.2018	2	
12	Badiyadukka	Kannur	33/11	5	1	5	Mar-09	2	
a	Barapole Switch Yard	Gen. Circle, Kakkayam	33/11	5	1	5	29-2-2016	1	
13	Balusseri	Kozhikode	33/11	5	2	10	Apr-02	4	
14	Belur	Kannur	33/11	5	2	10	Mar-08, 17.3.15	2	
15	Chalisseri	Palakkad	33/11	5	2	10	Mar-03	4	
16	Chavakkad	Thrissur	33/11	5	2	10	Dec-04	4	

Table 34 -33kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
17	Chelakkara	Thrissur	33/11	5	1	5	Jan-08	2	
18	Chengamanad	Kottarakara	33/11	5	2	10	May-06, Jan-13	4	
19	Chirakkal	Thrissur	33/11	5	1	5	Dec-05	2	
20	Chittadi	Palakkad	33/11	5	2	10	Nov-10	3	
21	Chullimanoor	Thiruvananthapuram	33/11	5	2	10	Mar-09	3	
22	Dharmadam	Kannur	33/11	5	2	10	2008	3	
23	Edavanna	Malappuram	33/11	5	1	5	May-04	3	
24	Erumapetty	Thrissur	33/11	5	2	10	Sep-01	3	
25	Ezhukone	Kottarakara	33/11	5	2	10	Mar-08	4	
26	Feroke	Kozhikode	33/11	5	2	10	5.10.16	4	
27	Kachery	Thiruvananthapuram	33/11	5	1	5	07.10.2017	4	New Substation
28	Kadackal	Thiruvananthapuram	33/11	5	2	10	Dec-04	3	
29	Kadakkavoor	Thiruvananthapuram	33/11	5	2	10	Nov-12	3	
30	Kadapra	TD, Pathanamthitta	33/11	5	2	10	17.06.2016	2	
31	Kaduthurathy	Poovanthuruthu	33/11	5	1	5	Nov-09	2	
32	Kalpakanchery	Malappuram	33/11	5	2	5	31.3.17	3	
33	Kaipamangalam	Thrissur	33/11	5	2	10	May-05	3	
34	Kalady	Thrissur	33/11	5	3	15	Dec-04, Aug-13	4	
35	Kalikavu	Malappuram	33/11	5	1	5	Mar-10	2	
36	Kallambalam	Thiruvananthapuram	33/11	5	2	10	Jul-08	3	
37	Kallara	Poovanthuruthu	33/11	5	1	5	18.3.17	3	
38	Kalletumkkara	Thrissur	33/11	5	2	10	Nov-05	3	
39	Kalloorkadu	Thodupuzha	33/11	5	2	10	Mar-09	3	
40	Kalpetta	Kozhikode	33/11	5	2	10	Nov-04	4	
41	Kanhangad Town	Kannur	33/11	5	2	10	31.05.2016	3	
42	Kannanalloor	Kottarakara	33/11	5	1	5	Mar-13	4	
43	Kannur Town	Kannur	33/11	5	2	10	Jul-10	2	
44	Karamana	Thiruvananthapuram	33/11	5	2	10	Apr-12, Jan-14	2	

Table 34 -33kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
45	Karukachal	Poovanthuruthu	33/11	5	2	10	Sep-11	4	
46	Kasargod Town	Kannur	33/11	5	2	10	27.01.17	4	
47	Kattanam	Alappuzha	33/11	5	2	10	Mar-10	4	
48	Kindangoor	Poovanthuruthu	33/11	5	2	10	Oct-10	3	
49	Kinfra*	Malappuram	33/11	5	2	10	Jul-03	2	
50	Kodiyeri	Kannur	33/11	5	2	10	Mar-07	3	
51	Koduvayur	Palakkad	33/11	5	2	10	Dec-03	3	
52	Kongad	Palakkad	33/11	5	2	10	Dec-05	4	
53	Kongannur	Thrissur	33/11	5	2	10	Apr-07	4	
54	Konni	Pathanamthitta	33/11	5	2	10	Mar-08	3	
55	Kooriyad (Kakkad)	Malappuram	33/11	8	2	16	16.11.17 & 06.12.17	4	
56	Koottikkal	Poovanthuruthu	33/11	5	1	5	28.01.2016	2	
57	Koovappady	Thodupuzha	33/11	5	2	10	Mar-09	4	
58	Koratty	Thrissur	33/11	5	2	10	Jan-09	5	
59	Kumbanad	Pathanamthitta	33/11	5	2	10	Feb-14	3	
60	Kurumassery	Kalamassery	33/11	5	2	10	Dec-03	3	
61	Kuruppambady	Thodupuzha	33/11	5	2	10	Aug-03	4	
62	Kuthiathode	Alappuzha	33/11	5	3	15	Mar-08	3	
63	Kuttiyattur	Kannur	33/11	5	2	10	Feb-01	4	
64	Makkaraparamba	Malappuram	33/11	5	2	10	May-04	4	
65	Maniampara	Palakkad	33/11	5	2	10	Jul-06	4	
66	Manimala	Poovanthuruthu	33/11	5	2	10	27.05.17	3	New Substation. 2 nd 5MVA commsnd on 29.01.18
67	Mannar	Alappuzha	33/11	5	2	10	Mar-09	4	
68	Mazhuvanoor	Thodupuzha	33/11	5	2	10	Dec-04	3	

Table 34 -33kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
69	Meenakshipuram	Palakkad	33/11	5	2	10	Mar-10	2	
70	Meenangady	Kozhikode	33/11	5	2	10	Oct-04	3	
71	Melady	Kozhikode	33/11	5	1	5	Jun-08	3	5 MVA to 8 MVA
			33/11	8	1	8	29.08.17		
72	Methala	Thrissur	33/11	5	2	10	Mar-14	2	
73	Mullassery	Thrissur	33/11	5	1	5	Feb-06	3	
74	Mulloorkara	Thrissur	33/11	5	2	10	Jan-08	3	
75	Mundur	Thrissur	33/11	5	2	10	Mar-01	4	
76	Muthalamada	Palakkad	33/11	5	2	10	Dec-03	3	
77	Nadukani	Kannur	33/11	5	2	10	Feb-06	4	
78	Neeleswaram	Kannur	33/11	5	2	10	Mar-07	4	
79	Nelliampathy	Palakkad	33/11	5	1	5	Jun-05	2	
80	Ochira	Kottarakara	33/11	5	2	10	Sep-09	4	
81	Othukkungal	Malappuram	33/11	5	1	5	Mar-09	2	
82	Padinjarethara	Kozhikode	33/11	5	2	10	650	3	
83	Paika	Poovanthuruthu	33/11	5	2	10	Mar-10	5	
84	Palakkal	Thrissur	33/11	5	2	10	Mar-08	3	
85	Pallassena	Palakkad	33/11	5	2	10	Sep-11	3	
86	Parappukara	Thrissur	33/11	5	2	10	Aug-03	4	
87	Parappur	Thrissur	33/11	5	2	10	Oct-08	4	
88	Paravoor	Kottarakara	33/11	5	2	10	Nov-12	4	
89	Pariyaram	Thrissur	33/11	5	2	10	Jul-03	4	
90	Pariyaram	Kannur	33/11	5	2	10	Mar-07	4	
91	Pattambi	Palakkad	33/11	5	2	10	Jan-02	4	
92	Pattikadu	Thrissur	33/11	5	2	10	Aug-03	2	
93	Pattoor	Thiruvananthapuram	33/11	5	2	10	18.05.17	1	New Substation
94	Payannur Town	Kannur	33/11	5	2	10	Aug-06	3	
95	Pazhassi	Kannur	33/11	5	2	10	Aug-06	4	

Table 34 -33kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
96	Perambra	Kozhikode	33/11	5	1	5	1-25	3	
97	Perla	Kannur	33/11	5	2	10	Mar-09	3	
98	Peyad	Thiruvananthapuram	33/11	5	2	10	Mar-13	3	
99	Pookkottumpadam	Malappuram	33/11	5	1	5	Aug-13	2	
100	Poomala	Thrissur	33/11	5	2	10	Mar-07	3	
101	Poovar	Thiruvananthapuram	33/11	5	3	15	Aug-08, 16.7.14	5	
102	Pooyappally	Kottarakara	33/11	5	2	10	Sep-10	4	
103	Pulamanthole	Malappuram	33/11	5	1	5	Nov-04	2	
104	Pulpally	Kozhikode	33/11	5	2	10	Dec-04, 4.3.15	2	
105	Puthenvelikara	Kalamassery	33/11	5	2	10	May-06	4	
106	Puthiyatheruvu	Kannur	33/11	5	2	10	Feb-01	3	
107	Puthur	Thrissur	33/11	5	2	10	Mar-01	4	
108	Puthur	Kottarakara	33/11	5	1	5	Aug-10	3	
109	Puthur	Kannur	33/11	5	2	10	Mar-03	3	
110	Ramanattukara	Kozhikode	33/11	5	2	10	Nov-09	4	
111	Ramapuram	Poovanthuruthu	33/11	5	2	10	Oct-09, 25.6.14	4	
112	Ranni-Perunad	Pathanamthitta	33/11	5	1	5	Jan-11	4	
113	Sreekrishnapuram	Palakkad	33/11	5	2	10	Jan-06	4	
114	Senapathy	Thodupuzha	33/11	5	1	5	Oct-14	2	
115	Tarur	Palakkad	33/11	5	2	10	Apr-10	3	
116	Thakazhy	Alappuzha	33/11	5	2	10	Oct-08	2	
117	Thambalamanna	Kozhikode	33/11	5	2	10	Oct-09	3	
118	Thammanam	Kalamassery	33/11	5	2	10	17.02.2018	3	New Substation
119	Thazhekkode	Malappuram	33/11	5	1	5	Nov-02	2	
120	Thirunavaya	Malappuram	33/11	5	2	10	Jul-08	3	
121	Thiruvellur	Kozhikode	33/11	5	2	10	Jun-08, 15.5.14	2	

Table 34 -33kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
122	Thiruvegappura	Palakkad	33/11	5	1	5	Jan-14	2	
123	Tholambra	Kannur	33/11	5	2	10	Feb-02	3	
124	Thottada	Kannur	33/11	5	2	10	Apr-02	3	
125	Thrikkannapuram (Thavanur)	Malappuram	33/11	5	1	5	Dec-09	2	
126	Thrikkaripur	Kannur	33/11	5	2	10	Dec-04	4	
127	Thrithala	Palakkad	33/11	5	2	10	Mar-03	4	
128	Upputhura	Thodupuzha	33/11	5	2	10	Jun-09	3	
129	Urumi	Kozhikode	33/11	5	1	5	May-07	3	
130	Vadanapilly	Thrissur	33/11	5	2	10	Dec-04	3	
131	Vadikkekara	Kalamassery	33/11	5	3	15	Aug-05	5	
132	Vagamon	Thodupuzha	33/11	5	1	5	Mar-10	3	
133	Vakathanam	Poovanthuruthu	33/11	5	2	10	Feb-13	4	
134	Vallikunnam	Alappuzha	33/11	5	1	5	Jun-12	2	
135	Valluambaram	Malappuram	33/11	5	2	10	Dec-01	3	
136	Vannamada	Palakkad	33/11	5	2	10	Oct-09	3	
137	Vannappuram	Thodupuzha	33/11	5	2	10	Nov-12	4	
138	Varappuzha	Kalamassery	33/11	5	2	10	Jan-08	4	
139	Velanthavalam	Palakkad	33/11	5	2	10	Feb-11	3	
140	Vellangallur	Thrissur	33/11	5	2	10	Mar-06	3	
141	Vellannur	Kozhikode	33/11	5	2	10	Sep-11	3	
142	Vellarada	Thiruvananthapuram	33/11	5	2	10	Aug-11	3	
143	Vellikulangara	Thrissur	33/11	5	2	10	Feb-10	4	
144	Vengola	Thodupuzha	33/11	5	2	10	May-07	3	
145	Venjaramoodu	Thiruvananthapuram	33/11	5	2	10	Mar-10	3	
b	Vilangand Switch Yard	Gen. Circle, Kakkayam	33/11	5	1	5	Sept-2014	1	

Table 34 -33kV Continued

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	Total Capacity MVA	Year of Commissioning	No. of 11 kV Feeders	Remarks
146	Vithura	Thiruvananthapuram	33/11	5	2	10	Oct-11	3	
147	Vydyuthi bhavan-Palakkad	Palakkad	33/11	5	2	10	27-6-2015	4	
148	Wandoor	Malappuram	33/11	5	2	10	Aug-97, Nov-13	3	
149	West Elery	Kannur	33/11	5	1	5	Feb-07	2	
149+b	Total-33 kV Substations					1390.00		481	33kV SW Yards in system -2 Nos.
Grand Total						20499		2251	

Remarks-Switch yards with outgoing HT feeders included

** Substation not in control of KSEBL(Mahe and Kinfra)

ABSTRACT-EHT

	Transmission substations	Gen. Switch yard with HT feeder	MVA Capacity	HT Feeders
400kV	1	0	1365.0	8
220kV	22	2	7568.8	157
110kV	155	6	7899.0	1119
66kV	74	5	2275.8	486
EHT S/S	252	13	19108.6	1770
33kV	149	2	1390.0	481
TOTAL	401	15	20498.6	2251

TABLE 35

LIST OF EHV AND 33 kV TRANSMISSION LINES				
Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
I. 400 kV Lines (PGCIL owned)				
1	Thirunelveli - Pallippuram No.I	Twin Moose	160 (74.9 in Kerala)	
2	Thirunelveli - Pallippuram No.II	Twin Moose	160 (74.9 in Kerala)	
3	Udumalpet - Elappully No.I	Twin Moose	95.7 (48.1 in Kerala)	
4	Udumalpet - Elappully No.II	Twin Moose	95.7 (48.1 in Kerala)	
5	Elappully - Madakkathara No.I	Twin Moose	84.78	
6	Elappully - Madakkathara No.II	Twin Moose	84.78	
7	Kochi East - Madakkathara No.I	Quad Moose	78.2	
8	Kochi East - Madakkathara No.II	Quad Moose	78.2	
9	Mysore-Kozhikkode No. I	Twin Moose	206(142 in Kerala)	Newly added
10	Mysore-Kozhikkode No. II	Twin Moose	206(142 in Kerala)	Newly added
	400kV LINE-Total in Ckt.KM		855.96	Line length inside Kerala only is considered
II. 220 kV Lines				
1	Kanhirode - Ambalathara	Kundah	62.19	
2	Ambalathara - Mylatty	Kundah	16.52	
3	LILO Kanjirode -Mylatti	Kundah	0.1	
4	Kanhirode - Thaliparamba	Kundah	28.02	
5	Thaliparamba - Mylatty	Kundah	63.04	
6	Orkatteri - Kanhirode	Kundah	37.14	
7	Areacode - Orkatteri	Kundah	72.45	
8	Areacode - Kanhirode	Kundah	108.92	
9	Areacode - Kaniyampetta	Kundah	68.18	
10	Kaniyampetta - Kadakola (Inter state)	Kundah	25.4	92 (25.4 in Kerala)
11	Areacode - Nallalam No.I	Kundah	27.63	
12	Areacode - Nallalam No.II	Kundah	27.63	

Table 35 -220kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
13	Kozhikode - Areacode No. I	Moose	0.225	
14	Kozhikode - Areacode No.II	Moose	0.225	
15	Kozhikode - Areacode No.III	Moose	0.225	
16	Malaparamba - Areacode	Kundah	53.83	
17	Shornur - Areacode	Kundah	72.53	
18	Elappully - Palakkad No.I	Kundah	3.44	
19	Elappully - Palakkad No.II	Kundah	3.44	
20	Elappully - Palakkad No.III	Kundah	3.66	
21	Elappully - Madakkathara	Kundah	82.53	
22	Madakkathara - Areacode	Kundah	93.28	
23	Madakkathara - Malaparamba	Kundah	51.17	
24	Madakkathara - Palakkad	Kundah	82.26	
25	Madakkathara - Shornur	Kundah	29.35	
26	Lower Periyar - Madakkathara No.I	Kundah	102	
27	Lower Periyar - Madakkathara No.II	Kundah	102	
28	Idukki - Lower Periyar No.I	Kundah	35	
29	Idukki - Lower Periyar No.II	Kundah	35	
30	Idukki - Kalamassery No.I	Kundah	68.8	
31	Idukki - Kalamassery No.II	Kundah	68.8	
32	Idukki - New Pallom	Kundah	50	
33	Idukki - Udumalpet (Inter state)	Kundah	84.4	111.6 (84.4 in Kerala)
34	Lower Periyar - Brahmapuram No.I	Kundah	58.46	
35	Lower Periyar - Brahmapuram No.II	Kundah	58.46	
36	Brahmapuram - Kochi East No.I	Kundah	6.79	
37	Brahmapuram - Kochi East No.II	Kundah	6.79	
38	Kochi East - Kalamassery No.I	Kundah	14.4	
39	Kochi East - Kalamassery No.II	Kundah	14.4	

Table 35 -220kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
40	Brahmapuram - Ambalamugal No.I	Kundah	4.4	
41	Brahmapuram - Ambalamugal No.II	Kundah	4.4	
42	Sabarigiri - Ambalamugal	Kundah	123.5	
43	Pallom - Ambalamugal	Kundah	56.3	
44	Sabarigiri - Pallom	Kundah	67.32	
45	New Pallom - Pallom	Twin Moose	0.8	
46	Kayamkulam - New Pallom No.I	Zebra	47.00	
47	Kayamkulam - Edappon	Twin Moose	28.57	
48	Kayamkulam - Kundara	Twin Moose	64.91	
49	Edamon - Edappon	Twin Moose	67.18	
50	Edamon - Kundara	Twin Moose	60.91	
51	Sabarigiri - Theni (Inter state)	Kundah	44.8	106.5 (44.8 Km in Kerala)
52	Sabarigiri - Edamon No.I	Kundah	52.89	
53	Sabarigiri - Edamon No.II	Kundah	52.93	
54	Sabarigiri - Edamon No.III	Kundah	52.93	
55	Edamon - Thirunelveli No.I (PGCIL)	Quad Moose	81	
56	Edamon - Thirunelveli No.II (PGCIL)	Quad Moose	81	
57	Edamon - Pothencode No.I	Kundah	47.69	
58	Edamon - Pothencode No.II	Kundah	47.69	
59	Pallippuram - Pothencode No.I	Quad Moose	3.49	
60	Pallippuram - Pothencode No.II	Quad Moose	3.49	
61	Pallippuram - Pothencode No.III	Quad Moose	3.49	
62	Pallippuram - Pothencode No.IV	Quad Moose	3.49	
63	Pothencode-New Kattakada No.I	Double Moose	27.5	Newly added
64	Pothencode-New Kattakada No.II	Double Moose	27.5	Newly added
65	Kayamkulam-Punnapra	Zebra	52.36	
66	Punnapra-New Pallom	Zebra	30.65	
220kV LINE-Total in Ckt.KM			2856.88	

Table 35 - Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
III. 110 kV Lines				
1	Manjeswaram - Konaje (Inter state)	Wolf	7.4	Total 13.9 Km (7.4 Km in Kerala)
2	Kubanur - Manjeswaram	Wolf	12.6	
3	Kubanur - Traction Uppala-SC	UG -3X 300mm ²	5.3	New line
4	Vidyanagar - Kubanur	AAAC	21.7	
5	Vidyanagar - Mulleria No.I	Wolf	17.8	
6	Vidyanagar - Mulleria No.I	Wolf	17.8	
7	Mylatty - Vidyanagar	Tiger	11.9	
8	Mylatty - Kanhangad	Tiger	14.8	
9	Kanhangad - Cheruvathur	Tiger	22.6	
10	Payyannur - Cheruvathur	Tiger	13.6	
11	Cheruvathur - Traction Cheruvathur SC UG	SC UG	2.63	
12	Payyannur - Cherupuzha No.I	Wolf	21.6	
13	Payyannur - Cherupuzha No.II	Wolf	21.6	
14	Thaliparamba - Payyannur	Wolf	25.6	
15	Thaliparamba - Payangadi No.I	Wolf	9.5	
16	Thaliparamba - Payangadi No.II	Wolf	9.5	
17	Payangadi - Ezhimala No.I	Wolf	7.2	
18	Payangadi - Ezhimala No.II	Wolf	7.2	
19	Thaliparamba - Mangad	Wolf	10.5	
20	Mangad - Azhikode	Wolf	14.2	
21	Mundayad - Azhikode	Tiger	13.3	
22	Azhikode - WIPL	Wolf	0.23	
23	Mundayad - Chovva	Wolf	3.1	
24	Chovva-Traction S/s, Kannur South	UG Cable	0.78	
25	Kanhirode - Mundayad No.I	Wolf	9.6	
26	Kanhirode - Mundayad No.II	Wolf	9.6	
27	Kanhirode - Mattannur No.I	Wolf	18.7	

Table 35 110kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
28	Kanhirode - Mattannur No.II	Wolf	18.7	
29	Mattannur - Iritty No.I	Wolf	13	
30	Mattannur - Iritty No.II	Wolf	13	
31	Mundayad - Pinarayi	Tiger	11.3	
32	Pinarayi - Thalassery	Tiger	9.1	
33	Thalassery - Panoor	Tiger	9.1	
34	Panoor - Mahe No.I	Wolf	2.4	
35	Panoor - Mahe No.II	Wolf	2.4	
36	Orkatteri - Panoor	Tiger	11.27	
37	Orkatteri - Vadakara	AAAC/Wolf	8.9	
38	Orkatteri - Meppayur	AAAC/Wolf	24.66	
39	Vadakara - Koyilandy	Wolf	23.2	
40	Meppayur - West hill	Wolf/Tiger	33.27	Meppayur- Quailandy 8 Km new line
41	Tap to koyilandy from Meppayur - West hill	Wolf	0.6	
42	Chevayoor - West Hill	Tiger	12.8	
43	West Hill - GIS, Kozhikode	630Sq.mm Al	7.14	
44	West Hill -Traction Elathur	400 Sq mm UG Cable	4.4	
45	Nallalam - Chevayur No.I	Wolf	7.5	
46	Nallalam - Chevayur No.II	Wolf	8.2	
47	Kakkayam - Kinaloor	Wolf	11.6	Kinaloor LILO 5Km new line
48	Kinaloor - Chevayoor	Wolf	24.1	
49	Nallalam - Kunnamangalam	Wolf	19.6	
50	Kunnamangalam - Koduvally	Wolf	7.4	
51	Kunnamangalam - Agasthiamoozhy No.I	AAAC	9.5	
52	Kunnamangalam - Agasthiamoozhy No.II	AAAC	9.5	
53	Koduvally - Kakkayam	Wolf	24.3	
54	Kakkayam - Chakkittappara	Wolf	9.2	
55	Chakkittappara - Nadapuram	Wolf	20	
56	Nadapuram - Kanhirode	Wolf	45.3	

Table 35 110kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
57	Tap to Kuthuparamba from Parambai	Wolf	6.7	
58	Kuthuparamba – Valiyavelicham	Wolf	8.356	New line
59	Kakkayam - Kuttiady	Wolf	20.2	
60	Kuttiady - Kanhirode	Wolf	54.3	
61	Nallalam - Steel Complex	Tiger	0.8	
62	Nallalam - Chelari	Tiger	14.6	
63	Chelari - Parappanangadi	Wolf	15.9	
64	Parappanangadi- Keezhissery	Wolf	32.9	
65	Nallalam - Keezhissery	Tiger	20.4	
66	Areacode - Keezhissery No.I	Wolf	9.5	
67	Areacode - Keezhissery No.II	Wolf	9.5	
68	Keezhissery - Malappuram No.I	Tiger	18.1	
69	Keezhissery - Malappuram No.II	Wolf	18.1	
70	Malappuram - Edarikode	Wolf	13.5	
71	Malappuram - Manjeri	Wolf	14	New line
72	Edarikode - Tirur	Wolf	11.7	
73	Ponnani - Tirur	Wolf	29.03	
74	Kuttippuram - Tirur	Wolf	22.33	
75	Malaparamba - Kuttippuram No.I	Wolf	18.1	
76	Malaparamba - Kuttippuram No.II	Wolf	18.1	
77	Edappal - Kuttippuram	Wolf	26.92	
78	Edappal - Ponnani	Wolf	10.37	
79	Malaparamba - Malappuram No.I	Tiger	14	
80	Malaparamba - Malappuram No.II	Tiger	14	
81	Tap to Melattur from MRML No.II	Tiger	20.3	
82	Tap to Perinthalmanna from Malaparamba - Melattur	Wolf	10	
83	Malaparamba - Koppam	Tiger	10	
84	Malaparamba - Shornur	Tiger	24	

Table 35 110kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
85	Shornur - Koppam	Tiger	14.5	
86	Shornur - Edappal	Wolf	31.6	
87	Tap to Arangottukara from SHED feeder	Wolf	0.5	
88	Shornur - Koottanad	AAAC	17.86	
89	Koottanad - Edappal	AAAC	15.26	
90	Shornur - Traction Shornur	Tiger	4.98	
91	Shornur - Ottappalam	Wolf	13.6	
92	Ottappalam - Vennakkara	Wolf	28.96	
93	Shornur - Pathiripala	Wolf	26.3	
94	Pathiripala - Parali	Wolf	11.2	
95	Parali - Vennakkara	Wolf	9.5	
96	Ottappalam - Cherpulassery No.I	Wolf	18.95	
97	Ottappalam - Cherpulassery No.II	Wolf	18.95	
98	Ottappalam - Vadakkanchery	Wolf	27	
99	Ottappalam - Pazhayannur	Wolf	11.2	
100	Pazhayannur - Vadakkanchery	Wolf	15.8	
101	Palakkad - Vennakkara No.I	Wolf	20.86	
102	Palakkad - Vennakkara No.II	Wolf	20.86	
103	Vennakkara - Malampuzha	Wolf	10.25	
104	Malampuzha - Kalladikode	Wolf	19.25	
105	Kalladikode - Mannarkkad	Wolf	14	
106	Palakkad - Kozhinjampara	Wolf	10.61	
107	Kozhinjampara - Kollengode	Wolf	24.28	
108	Palakkad - Kollengode	Wolf	26.5	
109	Tap to MPS Steel from PKKE feeder	Wolf	0.05	
110	Palakkad - Traction, Kanjikode	Wolf	3.15	
111	Palakkad - Kanjikode No.I	Wolf	5.46	
112	Palakkad - Kanjikode No.II	Wolf	5.46	
113	Tap to Paragon Steel from PKKJ No.II	Wolf	0.05	
114	Tap to PATSPIN from PKKJ No.II	Wolf	0.05	

Table 35 110kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
115	Palakkad - Walayar No.I	Wolf	6.35	
116	Palakkad - Walayar No.II	Wolf	6.8	
117	Walayar - Malabar Cement No.I	Wolf	4.41	
118	Walayar - Malabar Cement No.II	Wolf	4.63	
119	Tap to Precot Meridian from WLMC No.II	Wolf	0.22	
120	Madakkathara - Shornur	Wolf	30.2	
121	Madakkathara - Wadakkanchery	Wolf	15.09	
122	Wadakkanchery - Shornur	Wolf	16.56	
123	Madakkathara - Athani	Wolf	10.9	
124	Athani - Kandassankadavu	Wolf	36.8	
125	Madakkathara - Kunnamkulam	Wolf	27.4	
126	Kunnamkulam - Guruvayur	Wolf	5.9	
127	Guruvayur - Kandassankadavu	Wolf	16.3	
128	Kunnamkulam - Punnayurkulam No.I	AAAC	15.2	
129	Kunnamkulam - Punnayurkulam No.II	AAAC	15.2	
130	Madakkathara - Viyyur No.I	Wolf	10.2	
131	Madakkathara - Viyyur No.II	Wolf	10.2	
132	Viyyur - Kandassankadavu	Wolf	15.7	
133	Viyyur - Pullazhy	Wolf	6.96	
134	Pullazhy - Kandassankadavu	Wolf	11.4	
135	Tap to Thrissur Corpn. from VIPL feeder	Wolf	1.6	
136	Madakkathara - Valappad	Wolf	28.1	
137	Madakkathara - Cherpu	Wolf	19.7	
138	Cherpu - Irinjalakuda	Wolf	20.84	
139	Irinjalakuda - Kattoor	Wolf	7.08	
140	Kattoor - Valappad	Wolf	11.16	
141	Madakkathara - Kodakara	Wolf	24.2	
142	Chalakydy - Kodakara	Wolf	7.1	
143	Madakkathara - Ollur	Wolf	15.7	
144	Ollur - Puthukkad	Wolf	12.83	
145	Chalakkudy - Puthukkad	Wolf	15.68	

Table 35 110kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
146	Chalaky - Traction S/s, Chalaky	Wolf	2.3	
147	Poringalkuthu - Chalaky No.I	Tiger	32.5	
148	Poringalkuthu - Chalaky No.II	Tiger	32.5	
149	Sholayar - Chalaky	Wolf	53.1	
150	Poringalkuthu - Sholayar	Wolf	12.9	
151	Idamalar - Ayyampuzha	Wolf	32	
152	Ayyampuzha - Chalaky	Wolf	16.8	
153	Idamalar - Malayattoor	Wolf	28.5	
154	Malayattoor - Rayonpuram	Wolf	12	
155	Rayonpuram - Perumbavoor	Wolf	1.5	
156	Kalamassery - Perumbavoor	Wolf	19.61	
157	Tap to GTN Textiles from KLPM feeder	Wolf	0.86	
158	Kalamassery - Carborandum	Wolf	33.63	
159	Chalaky - Carborandum	Wolf	7.3	
160	Kalamassery - Kurumassery	Wolf	20.1	
161	Chalaky - Angamaly	Wolf	21.28	
162	Angamaly - Kurumassery	Wolf	8.89	
163	Tap No.I to Aluva from KLCB feeder	Wolf	2	
164	Tap No.II to Aluva from KLKR feeder	Wolf	2	
165	Aluva-KWA	UG	1.61	
166	Tap No.I to CIAL from KLCB feeder	Wolf	1.81	
167	Tap No.II to CIAL from CHKR feeder	Wolf	1.81	
168	Kalamassery - Edappally	Wolf	7	
169	Edappally - Kaloor	Wolf	4.43	
170	Kalamassery - Kaloor	Wolf	11.9	
171	Kaloor- Ernankulam North UG	UG	4.1	
172	Kaloor- Ernankulam North UG	UG	4.1	
173	Tap No.I to BSES from KLKA feeder	Wolf	1.3	
174	Tap No.II to BSES from KLEP feeder	Wolf	1.3	
175	Kalamassery - Edayar No.I	Wolf	4.2	

Table 35 110kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
176	Kalamassery - Edayar No.II	Wolf	4.2	
177	Tap No.III to BSES from KLED No.I feeder	Wolf	0.8	
178	Tap No.IV to BSES from KLED No.II feeder	Wolf	0.8	
179	Tap No.I to IAC from KLED No.I feeder	Wolf	0.05	
180	Tap No.II to IAC from KLED No.II feeder	Wolf	0.05	
181	Edayar - Binani Zinc No.I	Wolf	1.35	
182	Edayar - Binani Zinc No.II	Wolf	1.35	
183	Edayar - North Paravur No.I	Wolf	9.41	
184	Edayar - North Paravur No.II	Wolf	9.41	
185	Kalamassery - Vyttila	Wolf	11.58	
186	Kalamassery - Aroor	Wolf	23.5	
187	Kalamassery - Panangad	Wolf	17	
188	Vyttila - New Vyttila UG	UG Cable	0.71	
189	Panangad - Aroor	Wolf	6.5	
190	Aroor - Mattanchery	Wolf	9.1	
191	Mattanchery - Chellanam	Wolf	11.1	
192	Kalamassery - FACT (UD) No.I	Wolf	5	
193	Kalamassery - FACT (UD) No.II	Wolf	5	
194	Tap No.I to TCC from KLFA No.I feeder	Wolf	0.8	
195	Tap No.II to TCC from KLFA No.II feeder	Wolf	0.8	
196	Kalamassery - Brahmapuram No.I	Wolf	11.6	
197	Kalamassery - Brahmapuram No.II	Wolf	11.6	
198	Kalamassery - Brahmapuram No.III	Wolf	11.6	
199	Kalamassery - Brahmapuram No.IV	Wolf	11.6	
200	Tap No.I to CSEZ from KLBR No.I feeder	Wolf	0.05	
201	Tap No.II to CSEZ from KLBR No.II feeder	Wolf	0.05	
202	Tap to Co-op. Med. College from KLBR No.II	Wolf	0.04	
203	Brahmapuram - Kadavanthara	Wolf	10.77	
204	Brahmapuram - New Vyttila	Wolf	7.3	
205	New Vyttila - Kadavanthara	Wolf	3.47	
206	Kadavanthara - Traction S/s, Kadavanthara	UG Cable	0.15	

Table 35 110kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
207	Kadavanthara - Willington Island No.I	UG Cable + OH	3.47	
208	Kadavanthara - Willington Island No.II	UG Cable + OH	2.3	
209	Willington Island - Port Trust	UG Cable	2.31	
210	Brahmapuram - KINFRA No.I	Wolf	1.85	
211	Brahmapuram - KINFRA No.II	Wolf	1.85	
212	Brahmapuram - FACT (CD) No.I	Wolf	3.8	
213	Brahmapuram - FACT (CD) No.II	Wolf	3.8	
214	Tap to Petronet from BRFA No.I feeder	Wolf	2.81	
215	Tap to BPCL from BRFA No.II feeder	Wolf	2.81	
216	Brahmapuram - Vaikom	Wolf	29.64	
217	Brahmapuram - Kandanad	Wolf	11.64	
218	Kandanad - Vaikom	Wolf	18	
219	Tap No.I to HNL from BRVK feeder	Wolf	8.7	
220	Tap No.II to HNL from KNVK feeder	Wolf	8.7	
221	Tap No.I to Piravam from HNL Tap No.I	Wolf	7.7	
222	Tap No.II to Piravam from HNL Tap No.II	Wolf	7.7	
223	Kalamassery - Moovattupuzha	Lynx	26.4	
224	Kalamassery - Kizhakambalam	Wolf	9.53	
225	Kizhakambalam - Moovattupuzha	Wolf	16.87	
226	Tap No.I to Rubber Park from KLMV feeder	Wolf	2.1	
227	Tap No.II to Rubber Park from KZMV feeder	Wolf	2.1	
228	Moovattupuzha - Myloor (Pothanikad)	Lynx	10.56	
229	Myloor (Pothanikad) - Adimali	Lynx	34.92	
230	Neriamangalam - Adimali	Lynx	10.49	
231	Neriamangalam - Moovattupuzha	Lynx	51	
232	Neriamangalam - Kuthungal No.I	Wolf	16.5	
233	Neriamangalam - Kuthungal No.II	Wolf	16.5	
234	Panniar - Sengulam No.I	Wolf	0.5	
235	Panniar - Sengulam No.II	Wolf	0.5	
236	Neriamangalam - Sengulam	Lynx	5.8	
237	Neriamangalam - Pala	Wolf	37.8	

Table 35 110kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
238	Sengulam - Udumpannoor	Wolf	18.5	
239	Udumpannoor - Erattupetta	Wolf	28.4	
240	Erattupetta - Pala	Wolf	15.9	
241	Pala - Ayarkunnam No.I	Wolf	13.5	
242	Pala - Ayarkunnam No.II	Wolf	13.5	
243	Pallom - Ayarkunnam	Wolf	14.9	
244	Ayarkunnam - MRF	Wolf	6.3	
245	MRF - Pallom	Wolf	8.6	
246	Pallom - Chengalam	Wolf	14.1	
247	Chengalom- Punnapra	Wolf	29.4	
248	Pallom - Pambady	Wolf	12.5	
249	Pambady - Kanjirappally	Wolf	16.5	
250	Pallom - Kodimatha	Wolf	4.54	
251	Kanjirappally - Erumeli	Wolf	23.3	New line
252	Kodimatha -Punnapra	Wolf	28.96	
253	Punnapra - Edathua No.I	Wolf	15.7	
254	Punnapra - Edathua No.II	Wolf	15.7	
255	Punnapra - Traction S/s, Punnapra	Wolf	0.47	
256	Punnapra - Autocast	Wolf	26.6	
257	Autocast (SILK) - SL Puram	Wolf	1.7	
258	SL Puram- Chellanam	Wolf	34.4	
259	Tap to IPRK from SL- Chellanam	Wolf	0.125	
260	Aroor - Thykkattussery	Wolf	15.6	
261	Thykkattussery - SL Puram	Wolf	16.15	
262	SL Puram - Punnapra	Wolf	27.85	
263	Pallom - Thrikodithanam	Wolf	12.5	
264	Tap to Chingavanam Traction from PLTN feeder	Wolf	1.7	
265	Tap to TECIL from PLTN feeder	Wolf	2.12	
266	Chengannoor - Bilievers Church	Wolf	16.45	
267	Bilievers Church - Thrikodithanam	Wolf	4.72	

Table 35 110kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
268	Pallom - Mallappally	Wolf	32.2	
269	Mallappally - Chengannoor	Wolf	24.3	
270	Chengannoor - Edappon No.I	Wolf	14.1	
271	Chengannoor - Edappon No.II	Wolf	14.1	
272	Edappon - Pathanamthitta No.I	Wolf	23.1	
273	Edappon - Pathanamthitta No.II	Wolf	23.1	
274	Pathanamthitta - Ranni	Wolf	25.38	
275	Kozhenchery - Ranni	Wolf	13.4	
276	Pathanamthitta - Kozhenchery	Wolf	11.9	
277	Kakkad - Pathanamthitta	Wolf	28.7	
278	Kakkad - Karikkayam	Wolf	10.6	
279	Karikkayam - Maniyar	Wolf	3.9	
280	Maniyar - Pathanamthitta	Wolf	18	
281	Edappon - Kayamkulam	Wolf	18.5	
282	Edappon - Mavelikkara	Wolf	14	
283	Mavelikkara - Kayamkulam	Wolf	14	
284	Edappon - Sasthamkotta	Wolf	18.5	
285	Edappon - Kundara	Wolf	31	
286	Tap to Sasthamkotta from EPKD feeder	Wolf	0.5	
287	Sasthamkotta - KMML	Wolf	18.1	
288	Chavara - KMML	Wolf	5.5	
289	Kundara - Chavara	Wolf	26	
290	Chavara - Kavanad No.I	Wolf	9.1	
291	Chavara - Kavanad No.II	Wolf	9.1	
292	Kundara - Traction Perinad No.I	Wolf	7	
293	Kundara - Perinadu	Wolf	9	
294	Perinadu - Traction Perinadu	Wolf	2.1	
295	Punalur - Kundara	Wolf	33.6	
296	Punalur - Kottarakkara	Wolf	20.1	
297	Kottarakkara - Kundara	Wolf	13.5	

Table 35 110kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
298	Kundara - Ayathil No.I	Wolf	13	
299	Kundara - Ayathil No.II	Wolf	13	
300	Kundara - Parippally No.I	Wolf	24	
301	Kundara - Parippally No.II	Wolf	24	
302	Ayathil - GIS Kollam DC UG No. I	UG Cable	3.75	
303	Kundara-Technopark	UG	2.6	
304	Kottiyam - Kundara	Wolf	16.9	
305	Ambalappuram - Kottiyam	Wolf	18.9	
306	Edamon - Ambalappuram	Wolf	29	
307	Edamon - Punalur No.I	Wolf	9.89	
308	Edamon - Punalur No.II	Wolf	9.89	
309	Punalur - Pathanapuram	Wolf	12.25	
310	Pathanapuram - Koodal	Wolf	8.23	
311	Punalur - Koodal	Wolf	19.5	
312	Tap to Paper Mill from PNKU feeder	Wolf	1.4	
313	Edamon - Paruthippara	Wolf	54	
314	Edamon - Kilimanoor	Wolf	33.9	
315	Kilimanoor - Paruthippara	Wolf	39.9	
316	Pothencode - Paruthippara No.I	Wolf	10.39	
317	Pothencode - Paruthippara No.II	Wolf	10.39	
318	Paruthippara - Medical College No.I	Wolf	2.87	
319	Paruthippara - Medical College No.II	Wolf	2.87	
320	Pothencode - Attingal No.I	Wolf	10.2	
321	Pothencode - Attingal No.II	Wolf	10.2	
322	Attingal - Paripally No.I	Wolf	15.3	
323	Attingal - Paripally No.II	Wolf	15.3	
324	Paripally - Varkala No.I	Wolf	9.8	
325	Paripally - Varkala No.II	Wolf	9.8	
326	Pothencode - Technopark No.I	Wolf	5.87	
327	Pothencode - Technopark No.II	Wolf	5.87	

Table 35 110kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
328	Technopark - TERLS No.I	Wolf	4.53	
329	Technopark - TERLS No.II	Wolf	4.53	
330	TERLS -VSSC I	Wolf	0.8	
331	TERLS -VSSC I	Wolf	0.8	
332	TERLS - VELI	Wolf	8	Veli upgraded to 110kV from 66kV
333	Tap to Technopark Ph.II from TPTE No.I	Wolf	0.05	
334	Kazhakkuttam - Traction S/s, Kazhakkuttam	Wolf	0.87	
335	Pothencode - Kattakkada	Wolf	29.7	
336	Pothencode - Aruvikkara	Wolf	19.2	
337	Aruvikkara - Kattakkada	Wolf	11.71	
338	Tap No.I to Nedumangad from PCAV feeder	Wolf	0.2	
339	Tap No.II to Nedumangad from PCKK feeder	Wolf	0.2	
340	Kattakkada - Thirumala No.I	Wolf	9.24	
341	Kattakkada - Thirumala No.II	Wolf	9.24	
342	Kattakkada - Parassala No.I	Wolf	18.98	
343	Kattakkada - Parassala No.II	Wolf	18.98	
344	Parassala - Kuzhithura (Inter state)	Mink	4.83	
110kV LINE-Total in Ckt.KM			4521.50	

IV. 66 kV Lines				
1	Mundayad - Sreekandapuram No.I	Dog	27.2	
2	Mundayad - Sreekandapuram No.II	Dog	27.2	
3	Mundayad - Kuthuparamba	AAAC	26.02	
4	Kuthuparamba - Nedumpoyil	AAAC	18.6	
5	Nedumpoyil - Mananthavadi	Copper	29	
6	Kaniyampetta - Anchukunnu	AAAC	9.2	
7	Mananthavadi - Anchukunnu	AAAC	9.7	
8	Kaniyampetta - Kuthumunda	AAAC	14	

Table 35 66kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
9	Tap to Sulthan Bathery from KNKU feeder	Mink	20.5	
10	Kuthumunda - Uppatty (Inter state)	Mink	16.8	
11	Kuthumunda - Thamarassery	Copper	19.3	
12	Kunnamangalam - Thamarassery	Dog	15.8	
13	Kunnamangalam - Kuttikkattoor	Dog	7.2	
14	Tap to Ambalaparamba from KGKT feeder	Mink	13.56	
15	Tap to Gwalior Rayons from Ambalaparamba Tap line	Mink	0.6	
16	Nallalam - Kuttikkattoor	Copper	9.3	
17	Tap to Cyber park from Nallalam - Kuttikkattoor	Wolf	0.225	New line
18	Tap to Mankavu from NLKT feeder	Dog	1.98	
19	Mankavu - Puthiyara	400 Sq.mm XLPE	3.2	
20	Chevayur - Puthiyara	400 Sq.mm XLPE	4.4	
21	Malappuram - Mankada	Mink	10.708	
22	Malappuram - Nilambur	Mink	34.38	
23	Nilambur - Edakkara	Wolf	12.75	
24	Vennakkara - Kanjicode No.I	Dog	12.97	
25	Vennakkara - Kanjicode No.II	Dog	12.97	
26	Tap to Palakkad Medical College from VNKJ feeder	Mink	0.1	
27	Tap to PRECOT Mills from VNKJ No.I feeder	Dog	1.0	
28	Vennakkara - Nemmara	Mink	20.94	
29	Tap to Kannampully from VNNM feeder	Mink	0.05	
30	Kanjikode - Chittoor No.I	Dog	15.58	
31	Kanjikode - Chittoor No.II	Dog	15.58	
32	Tap to INDSIL from KJCI No.I feeder	Dog	0.1	
33	Kanjikode - MCL Quarry	Mink	23.45	
34	Tap to SEPR from KJMQ feeder	Mink	1.1	

Table 35 66kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
35	Kanjikode - ITI	Mink	0.36	
36	Viygur - Ollur	AAAC	10.7	
37	Tap to Thrissur Municipality from VIOL feeder	Dog	2.1	
38	Chalakkudy - Viyyur	AAAC	34.5	
39	Chalakkudy - Ollur	AAAC	23.8	
40	Tap No.I to Appollo Tyres from CHVYfeeder	Mink	0.75	
41	Tap No.II to Appollo Tyres from CHOL feeder	Mink	0.75	
42	Chalakkudy - Kodungallur	Mink	21	
1-28	Chalakkudy - OSSIGN	Mink	7.5	
44	OSSIGN - Mala	Mink	6.6	
45	Mala - Kodungallur	Mink	7.9	
46	Chalakkudy - Aluva I	Mink	26.78	
47	Chalakkudy - Aluva II	Mink	26.78	
48	Tap No.I to Karukutty from CHAN feeder	Mink	0.15	
49	Tap No.II to TELK from CHAN feeder	Mink	0.35	
50	Tap to Madura Coats from CHAL feeder	Copper	0.85	
51	Tap No.II to Karukutty from CHAL feeder	Mink	0.15	
52	Tap No.I to TELK from CHAL feeder	Mink	0.35	
53	Tap line to KAMCO from CHAL feeder	Mink	0.47	
54	Aluva - North Paravur	Mink	13.35	
55	Aluva - Edayar	Mink / Copper	5.65	
56	Edayar - North Paravur	Mink	9.7	
57	Aluva - Kothamangalam No.I	Copper	31	
58	Aluva - Kothamangalam No.II	Copper	31	
59	Tap No.I to Perumbavoor from ALKM No.I feeder	Mink	1.8	
60	Tap No.II to Perumbavoor from ALKM No.II feeder	Mink	1.8	

Table 35 66kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
61	Perumbavoor - Travancore Rayons No.I	Mink	1.3	
62	Perumbavoor - Travancore Rayons No.II	Mink	1.3	
63	Aluva - Kizhakambalam	Dog	12.06	
64	Kalamassery - Aluva	Dog	5.88	
65	Tap to Edamula KRL Pumphouse from KLAL feeder	Dog	1.9	
66	Kalamassery - Premier Tyres No.I	Wolf	2	
67	Kalamassery - Premier Tyres No.II	Wolf	2	
68	Tap to Carborandum from KLPR No.II feeder	Mink	2.6	
69	Kalamassery - Njarakkal No.I	Dog	13.6	
70	Kalamassery - Njarakkal No.II	Dog	13.6	
71	Tap No.I to Ernakulam North from KLNJ No.I feeder	Dog	4.96	
72	Tap No.II to Ernakulam North from KLNJ No.II feeder	Dog	4.96	
73	Tap to Mulavukad from KLNJ No.II feeder	Dog	0.1	
74	Kalamassery - Vyttila	Tiger	11.93	
75	Tap to HMT from KLVLT feeder	Mink	0.37	
76	Kalamassery - NPOL (Thrikkakara)	Tiger	4.7	
77	NPOL (Thrikkakara) - Vyttila	Tiger	8.52	
78	Kakkanadu tap I	Tiger	0.1	
79	Kakkanadu tap II	Tiger	0.1	
80	Vyttila - Puthencruz No.I	Dog	17.5	
81	Vyttila - PCBL	Dog	15.35	
82	PCBL- Puthencruz	Dog	5.85	
83	Tap No.I to HOC from VTPT No.I feeder	Dog	0.3	
84	Tap No.II to HOC from VTPT No.II feeder	Dog	0.3	
85	Vyttila - Perumanoor	Dog	3.4	
86	Vyttila - Panampilly Nagar	Dog	3	
87	Panampilly Nagar - Perumanoor	Dog	0.4	

Table 35 66kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
88	Perumanoor - Cochin Shipyard	400 Sq.mm XLPE	0.09	
89	Perumanoor - Marine Drive	400 Sq.mm XLPE	4.25	
90	Kaloor - Marine Drive	400 Sq.mm XLPE	3.85	
91	Mattanchery - Fort Kochi No.I	400 Sq.mm XLPE	4.2	
92	Mattanchery - Fort Kochi No.II	400 Sq.mm XLPE	4.2	
93	Aroor - Mattanchery	Dog	8.9	
94	Pallivasal - Aluva	Copper	81	
95	Pallivasal - Edathala	Copper	77	
96	Edathala - Aluva	Copper	4	
97	Pallivasal - Kothamangalam	Copper	52	
98	Pallivasal - Karimanal	Copper	26.8	
99	Karimanal - Kothamangalam	Copper	30.4	
100	Tap to Iruttukanam PH from PVKR feeder	Wolf	1.25	
101	Kothamangalam - Idamalayar	Mink	23.3	
102	Kothamangalam - Koothattukulam	Copper	23	
103	Sengulam - Pallivasal No.I	Copper	6.5	
104	Sengulam - Pallivasal No.II	Copper	6.5	
105	Sengulam - Vazhathopu	Mink	22.4	
106	Vazhathopu - Moolamattom	Mink	18.8	
107	Tap to Kulamavu from SGML feeer	Mink	1.35	
108	Vazhathope - Nedumkandam	Wolf	26.6	
109	Nedumkandam - Kattappana	Wolf	15.8	
110	Moolamattom - Malankara	Dog	16.54	
111	Malankara - Thodupuzha	Dog	14.7	
112	Moolamattom - Thodupuzha	Dog	29.7	
113	Tap to Koothattukulam from MLTD feeder	Mink	11.3	
114	Koothattukulam - Kuravilangad	Copper	12	
115	Kuravilangad - Ettumanur	Copper	8	
116	Ettumanur - Pala	Dog	16.2	
117	Vaikom - Ettumanur	Dog	21	
118	Tap to Kuravilangad	Dog	0.9	

Table 35 66kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
119	Vaikom - Cherthala	Dog	22.9	
120	Tap to Aroor from VKCT feeder	Dog	13.8	
121	Ettumanur - Gandhi Nagar	Dog	8	
122	Gandhi Nagar - Pallom	Dog	9	
123	Ettumanur - Pallom	Dog	17	
124	Tap to Kottayam from ETPL feeder	Dog	0.3	
125	Pallom -Mundakkayam	Wolf	36.81	
126	Tap to Kanjirappally	wolf	0.79	
127	Mundakkayam - Peerumedu	Dog	13.5	
128	Peerumedu - Vandiperiyar	Dog	11.5	
129	Vandiperiyar - Kochu Pampa	Dog	21.8	
130	Kochu Pampa - Thriveni No.I	Dog	12.1	
131	Kochu Pampa - Thriveni No.II	Dog	12.1	
132	Kochu Pampa - Sabarigiri	Dog	14.7	
133	Pallom - Kuttanad	Dog	18.54	
134	Kuttanad - Alappuzha	Mink	13.8	
135	Alappuzha - Pathirappally	Tiger	6.3	
136	Pathirappally - Cherthala	Tiger	17.1	
137	Punnapra - Alappuzha No.I	Dog	8.9	
138	Punnapra - Alappuzha No.II	Dog	8.9	
139	Punnapra - Nangiarkulangara	Dog	24.1	
140	Mavelikkara - Nangiarkulangara	Dog	9.5	
141	Punnapra - Karuvatta	Dog	16.7	
142	Karuvatta - Mavelikkara	Dog	17.3	
143	Tap to Nangiarkulangara from KVMV feeder	Dog	0.01	
144	Pallom - Chumathra	Dog	20.4	
145	Pallom - Thiruvalla	Dog	22.75	
146	Chumathra - Thiruvalla	Dog	7.25	
147	Thiruvalla - Mavelikkara -I	Dog	18.2	

Table 35 66kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
148	Thiruvalla - Mavelikkara-II	Dog	18.2	
149	Tap No.I to Changanassery from PLCU feeder	Dog	0.03	
150	Tap No.II to Changanassery from PLTV feeder	Dog	0.03	
151	Edappon - Mavelikkara No.I	Dog	10.8	
152	Edappon - Mavelikkara No.II	Dog	10.8	
153	Mavelikkara - Karunagappally	Copper	36	
154	Sasthamkotta - Karunagappally	Dog	13	
155	Edappon - Adoor No.I	Dog	16	
156	Edappon - Adoor No.II	Dog	16	
157	Adoor - Pathanamthitta	Mink	12.6	
158	Pathanamthitta - Koodal	Mink	14	
159	Kallada - Edamon No.I	Dog	9.24	
160	Kallada - Edamon No.II	Dog	9.24	
161	Tap to Thenmala	Mink	0.06	
162	Edamon - Anchal	Dog	13	
163	Anchal - Ayoor	Dog	8	
164	Attingal - Palode	Mink	19.4	
165	Paruthippara - Veli	Dog	10.91	
166	Tap to TTP from PPVL feeder	Dog	1.1	
167	Paruthippara - TERLS	Dog	8.29	
168	TERLS - Veli	240 Sq.mm XLPE	4.8	
169	Veli - Airport No.I	240 Sq.mm XLPE	4.3	
170	Veli - Airport No.II	240 Sq.mm XLPE	4.3	
171	Paruthippara - LA Complex	400 Sq.mm XLPE	4.3	
172	LA Complex - Powerhouse	400 Sq.mm XLPE	3.5	
173	Powerhouse - Thirumala	400 Sq.mm XLPE	6.8	
174	Paruthippara - Vattiyookavu	Mink	8.13	
175	Vattiyookavu - Thirumala	Mink	7.08	
176	Thirumala - Balaramapuram	Mink	8.89	

Table 35 66kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
177	Paruthippara - Balaramapuram	Mink	17.58	
178	Tap to Vizhinjam from PPBL feeder	Mink	10	
179	Balaramapuram - Neyyattinkara No.I	Mink	4.04	
180	Balaramapuram - Neyyattinkara No.II	Mink	4.04	
181	Neyyattinkara - Parassala No.I	Dog	10.2	
182	Neyyattinkara - Parassala No.II	Dog	10.2	
66 kV LINE-Total in Ckt.KM			2151.12	

V. 33 kV Lines				
1	Vidyanagar - Ananthapuram	Dog	9.3	
2	Vidyanagar - Kasargod Town	Dog	5	
3	Mulleria - Perla	Dog	15.8	
4	Mulleria - Badiyadka	Dog	12.5	
5	Kanhangad - Belur	Dog	11.5	
6	Kanhangad - Neeleswaram	Dog	10.5	
7	110 kV Kanhangad - 33 Kanhangad Town	Dog	6.85	
8	110 kV Kanhangad - Solar Park Ambalathara	Dog	12.4	
9	Cheruvathur - West Elery	Dog	17.5	
10	Cheruvathur - Thrikkarippur	Dog	11.2	
11	Payyannur - Payyannur Town	Dog	5.3	
12	Thaliparamba - Pariyaram (Kannur)	Dog	9.2	
13	Thaliparamba - Nadukani No.I	Dog	12.5	
14	Thaliparamba - Nadukani No.II	Dog	12.5	
15	Nadukani - Alakode	Dog	16.7	
16	Azhikode - Kannur Town	Dog	5.3	
17	Mattannur - Kuyiloor (KWA) No.I	Dog	4.6	
18	Mattannur - Kuyiloor (KWA) No.II	Dog	4.6	
19	Mattannur- KIAL 33 DC	Dog	12.4	
20	Mundayad - Puthiyatheru	Dog	6.5	

Table 35 33kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
21	Mundayad - Thottada	Dog	8.8	
22	Pinarayi - Thottada	Dog	10.5	
23	Pinarayi - Dharmadom	Dog	5.5	
24	Pinarayi - Tholambra	Dog	31.7	
25	Iritty-Barapole 1	UG	14.7	
26	Iritty-Barapole 2	UG	14.7	
27	Kanhirode - Kuttiyattoor	Dog	8.9	
28	Kanhirode - Pazhassi	Dog	18.7	
29	Panoor - Puthur (Kannur)	Dog	8.9	
30	Panoor - Kodiyeeri	Dog	6.5	
31	Vadakara - Thiruvallur	Dog	9.6	
32	Meppayur - Melady	Dog	9.4	
33	Meppayur - Perambra	Dog	8	
34	Koyilandi - Balussery	Dog	12.5	
35	Nallalam - Feroke	(OH+UG)	7.5	
36	Kaniyampetta - Padinjarethara	Dog	17.8	
37	Kaniyampetta - Meenangadi	Dog	11.5	
38	Kaniyampetta - Kalpetta	Dog	10.8	
39	Kaniyampetta - Pulpally	Dog	26	
40	Agastyamoozhi - Vellannur	Dog	8.3	
41	Agastyamoozhi - Thambalamanna No.I	Dog	8.6	
42	Agastyamoozhi - Thambalamanna No.II	Dog	8.6	
43	Thambalamanna - Chembukadavu-II PH	Dog	11	
44	Chembukadavu-II PH - Chembukadavu-I PH	Dog	1.1	
45	Thambalamanna - Urumi	Dog	5.3	
46	Urumi - Urumi-II PH	Dog	0.2	
47	Urumi-II PH - Urumi-I PH	Dog	0.82	
48	Kuttiyadi - Poozhithodu PH	Dog	14	
49	Vilangad HEP-Nadapuram	300 Sq.mm XLPE	14.5	
50	Chelari - KINFRA No.I	Dog	2.5	

Table 35 33kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
51	Chelari - KINFRA No.II	Dog	2.5	
52	Tap to Ramanattukara from CLRA No.I feeder	Dog	5.92	
53	Keezhissery - Chelari	Dog	14	
54	Keezhissery - Valluvambram	Dog	8	
55	Keezhissery - Edavanna	Dog	19	
56	Edavanna - Wandoor	Dog	12.5	
57	Wandoor - Kalikavu	Dog	14	
58	Melattur - Wandoor	Dog	18.7	
59	Melattur - Thazhekode	Dog	23	
60	Tap to Alanellur from METZ feeder	Dog	6	
61	Malappuram - Valluvambram	Dog	11.3	
62	Malappuram - Makkaraparamba	Dog	8.7	
63	Nilambur - Pookkottumpadam	Dog	7.8	
64	Nilambur - Adyanpara SC line	Dog	13.5	
65	Kuttiapuram - Thirunavaya	Dog	16.5	
66	Kuttiapuram - Vairamkode	Dog	11	
67	Edarikode - Thirunavaya	Dog	23	
68	Tap from Edarikode - Thirunavaya to Kalpakaknchery	Dog	0.8	
69	Edarikode - Othukungal	Dog	8.1	
70	Edarikode - Kooriyad (Kakkad)	Dog	8	
71	Thirunavaya - Thrikkannapuram (Thavanur)	Dog	3.1	
72	Makkaraparamba - Pulamanthole	Dog	16	
73	Koppam - Thazhekode	Dog	18	
74	Tap to Pulamanthole from KPTZ feeder	Dog	2	
75	Koppam - Pattambi	Dog	10.1	
76	Koppam - Thiruvegappura	Dog	13.2	
77	Mannarkkad - Agali No.I	Dog	28.5	
78	Mannarkkad - Agali No.II	Dog	28.5	
79	Mannarkkad - Alanellur	Dog	16.2	
80	Parali - Sreekrishnapuram	Dog	30	

Table 35 33kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
81	Parali - Kongad	Dog	12	
82	Parali - Maniyampara	Dog	8	
83	Vennakkara- Palakkad Vydhyuthi Bhavan	UG Cable + OH	5	
84	Koottanad - Thrithala	Dog	5.3	
85	Koottanad - Chalissery	Dog	4.5	
86	Kollenkode - Nelliampathy	Dog	9.5	
87	Kollenkode - Muthalamada	Dog	9.7	
88	Kollenkode - Koduvayur	Dog	11.7	
89	Kollenkode - Pallassena	Dog	8.7	
90	Kozhinjampara - Vannamada	Dog	4	
91	Kozhinjampara - Velanthavalam	Dog	9.2	
92	Kozhinjampara - Meenakshipuram	Dog	16	
93	Vadakkenchery - Alathur	Dog	13.6	
94	Vadakkenchery - Chittadi	Dog	12.5	
95	Vadakkenchery - Tarur	Dog	11	
96	Viygur - Poomala	Dog	11	
97	Viygur - Parappur No.I	Dog	13	
98	Viygur - Parappur No.II	Dog	13	
99	Cherpu - Chirakkal	Dog	5.8	
100	Cherpu - Palakkal	Dog	5.4	
101	Wadakkanchery - Mulloorkara	Dog	7.5	
102	Mulloorkara - Chelakkara	Dog	8.4	
103	Ollur - Puthur (Thrissur)	Dog	4.3	
104	Ollur - Pattikkad	Dog	16	
105	Kunnamkulam - Kongannur	Dog	9.4	
106	Guruvayoor - Chavakkad	Dog	6.7	
107	Athani - Erumappetty	Dog	13	
108	Athani - Mundoor	Dog	8	
109	Kandassankadavu - Vadanappilly	Dog	4.2	

Table 35 33kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
110	Kandassankadavu - Mullassery	Dog	7.6	
111	Valappad - Anthikadu No.I	Dog	6.2	
112	Valappad - Anthikadu No.II	Dog	6.2	
113	Valappad - Kaipamangalam No.I	Dog	10.7	
114	Valappad - Kaipamangalam No.II	Dog	10.7	
115	Kaipamangalam - Anchangady No.I	Dog	8.6	
116	Kaipamangalam - Anchangady No.II	Dog	8.6	
117	Anchangady - Methala	Dog	9.6	
118	Irinjalakuda - Vellangallur	Dog	6.6	
119	Irinjalakuda - Parappukara No.I	Dog	11.6	
120	Irinjalakuda - Parappukara No.II	Dog	11.6	
121	Chalakudy - Kallettumkara	Dog	11.8	
122	Chalakudy - Pariyaram (Thrissur)	Dog	7.8	
123	Chalakudy - Koratty	Dog	6.9	
124	Chalakudy - Vellikulangara	Dog	12.9	
125	Kurumassery 110 - Kurumassey 33	Dog	1.2	
126	Kurumassery - Puthenvelikkara	Dog	7.2	
127	Kurumassery-Annamanada	Dog	9.1	
128	Perumbavoor - Kurupampady	Dog	8.5	
129	Perumbavoor - Vengola	Dog	4.8	
130	Malayattoor - Koovapady	Dog	4.2	
131	Malayattoor - Kalady	Dog	6.3	
132	North Parur - Vadakkekara	Dog	9.3	
133	North Parur - Varappuzha	Dog	8.5	
134	North Parur - Alangad	Dog	9	
135	Kaloor - Lulu Mall No.I	300 Sq.mm XLPE	5.38	
136	Kaloor - Lulu Mall No.II	300 Sq.mm XLPE	5.38	
137	Kaloor - Lulu Mall No.III	300 Sq.mm XLPE	5.38	
138	Kaloor - Thammanam UG Cable	300 Sq.mm XLPE	4	New line

Table 35 33kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
139	Moovattupuzha - Mazhuvannur	Dog	4.8	
140	Moovattupuzha - Kalloorkkad	Dog	14	
141	Nedumkandam - Ramakkalmedu No.I	Dog	8	
142	Nedumkandam - Ramakkalmedu No.II	Dog	8	
143	Kuthunkal-Senapathy	Dog	16.79	
144	Peerumedu - Vagaman	Dog	17	
145	Peerumedu - Upputhara	Dog	21.5	
146	Mundakkayam - Kootikkal	Dog	8.09	
147	Udumpannoor - Vannapuram	Dog	17	
148	Pala - Ramapuram	Dog	10	
149	Pala - Paika	Dog	10	
150	Pala - Kidangoor	Dog	9.6	
151	Vaikom - Kaduthuruthy No.I	Dog	10	
152	Vaikom - Kaduthuruthy No.II	Dog	10	
153	Kaduthuruthy - Kallara	Dog	7.7	
154	Thrikodithanam - Vakathanam	300sq.mmXLPE+Dog	8.7	
155	Mallappally - Karukachal	Dog	7.1	
156	Mallappally - Kumbanad	Dog	10.5	
157	Ranni - Manimala	Dog	18.5	New line
158	Thycattusery - Kuthiyathodu No.I	Dog	6	
159	Thycattusery - Kuthiyathodu No.II	Dog	6	
160	Punnapra - Thakazhy	Dog	11.4	
161	Chengannur - Mannar	Dog	11.3	
162	Kayamkulam - Oachira	Dog	11	
163	Edappon - Kattanam	Dog	9.2	
164	Edathua - Kadapra	Dog	9.2	
165	Kattanam - Vallikunnam	Dog	8.5	
166	Pathanamthitta - Konny	Dog	8.3	
167	Pathanamthitta - Ranni Perinad	Dog	18.6	
168	Ambalappuram - Ezhukone	Dog	4.6	

Table 35 33kV Continued

Sl. No.	Name of Line	Conductor	Length (ckt.km)	Remark
169	Ambalappuram - Chengamanad	Dog	12.5	
170	Ambalappuram - Puthur (Kollam)	Dog	10.4	
171	Ambalappuram - Pooyappally	Dog	11.2	
172	Kottiyam - Adichanallur	Dog	10	
173	Kottiyam - Paravoor	Dog	4.7	
174	Kottiyam - Kannanallur	Dog	8	
175	Attingal - Venjaramoodu	Dog	10.4	
176	Attingal - Kadakkavur	Dog	11	
177	Attingal - Kacheri UG Cable	UG	4.8	New line
178	Medical college, TVM - Pattoor SC UG	UG	3.3	New line
179	Kilimanoor - Kadakkal	Dog	9.5	
180	Kilimanoor - Kallambalam	Dog	15	
181	Thirumala - Karamana	300 sq.mm XLPE	4.5	
182	Thirumala - Peyad	300 sq.mm XLPE	7	
183	Nedumangad - Chullimanur	Dog	5.8	
184	Nedumangad - Vithura No.I	Dog	12.6	
185	Nedumangad - Vithura No.II	300 sq.mm XLPE	12.6	
186	Vithura - IISER	300 sq.mm XLPE	13.4	
187	Tap Line from Nedumangad -Vithura	Dog	0.82	
188	Nedumangad to LPSC SC UG	UG	5.1	
189	Nedumangad - Aryanadu (OH+UG,10.03+.45)	OH+UG	10.48	New line
190	Parassala - Poovar	Dog	15.5	
191	Parassala - Vellarada	Dog	14.5	
33kV LINE-Total in Ckt.KM			1943.51	

TABLE 36

COST PER UNIT SENT OUT

(All figures in Ps.)

Sl. No	Year	At Generation end		At Transmission end		At Distribution LT side	
		<i>Including interest charges</i>	<i>Excluding interest charges</i>	<i>Including interest charges</i>	<i>Excluding interest charges</i>	<i>Including interest charges</i>	<i>Excluding interest charges</i>
1	1991-92	7.80	0.64	35.25	22.99	76.93	55.65
2	1992-93	8.11	0.54	27.89	15.69	75.95	49.65
3	1993-94	8.83	0.56	41.43	28.24	93.05	64.91
4	1994-95	9.55	0.93	44.65	30.29	96.91	65.70
5	1995-96	10.64	1.31	49.50	35.02	115.94	79.54
6	1996-97	14.79	1.01	67.26	46.84	144.71	96.88
7	1997-98	32.95	4.82	95.46	69.13	175.89	125.82
8	1998-99	33.07	12.18	92.38	67.95	173.30	125.88
9	1999-00	47.70	23.07	125.01	95.13	211.05	156.87
10	2000-01	64.84	34.26	183.36	149.66	286.17	223.75
11	2001-02	220	195	251	210	341	281
12	2002-03	262	254	319	266	417	352
13	2003-04	284	255	330	279	422	400
14	2004-05	217	195	260	220	347	289
15	2005-06	193	175	233	201	352	304
15	2006-07	179	173	213	202	368	336
16	2007-08	207	202	243	234	393	369
17	2008-09	321	321	349	347	474	447
18	2009-10	291	291	320	319	457	438
19	2010-11	289	289	321	319	472	466
20	2011-12	305	301	332	326	493	455
21	2012-13	487	480	515	501	666	632
22	2013-14	417	408	446	428	659	614
23	2014-15	382	379	422	416	625	578
24	2015-16	357	354	393	388	586	542
25	2016-17	413	410	448	443	659	613
26	2017-18	339	332	394	377	637	569

TABLE 37

FIVE YEAR PLAN TARGET AND ACHIEVEMENT

Sl. No.	Description of work	Target for 11 th Plan 2007-12	Achievement				Target for 12 th Plan 2012-17	Achievement						Target for 13 th Plan 2017-22	Achievement 2017-18
			2009-10	2010-11	2011-12	Total		2012-13	2013-14	2014-15	2015-16	2016-17	Total		
A. GENERATION															
1	Hydro Electric Projects (MW)	606.40	6.25	103.00	8.80	118.05	248.05	2.86	10.5	18.55	22	3.6	57.51	249	18.511
2	Wind Projects (MW)	3.75	1.95	3.60	-	5.55	-	-	-	-	8.4	-	8.40	25	17
3	Co-generation Projects (MW)	-	-	10.00	-	10.00	-	-	-	-	-	-	-	-	-
4	Gas based project (MW)	-	-	-	-	-	350.00	-	-	-	-	-	-	-	-
5	Solar projects (MW)	-	-	-	-	-	-	-	-	-	14.16	53.92	68.07	500	44.25
	Total	610.15	8.20	116.60	8.80	133.60	598.05	2.86	10.50	18.55	44.56	57.52	133.98	774.00	79.76
B. TRANSMISSION															
1	400 kV Substations (Nos)													1	0
2	220 kV Substations (Nos)	6	2	-	-	2	9	1	-	1	-	-	2.00	22	2
3	110 kV Substations (Nos)	54	9	5	3	17	60	1	5	1	8	3	18.00	72	6
4	66 kV Substations (Nos)	6	-	1	-	1	12	1	1	-	3	-	5.00	9	3
5	33 kV Substations (Nos)	55	18	7	7	32	47	8	4	1	3	7	23.00	34	5
6	400 kV Lines (Ckt-km)													178	0
7	220 kV Lines (km)	102.46	18.26	-	-	18.26	227	26.87	-	36.2	0.68	-	63.75	845.37	55.1
8	110 kV Lines (km)	672.55	48.302	34.22	0.89	83.412	1216	27.55	112.59	39.4	66.60	67.66	313.80	2004.98	79.76
9	66 kV Lines (km)	275.24		-	-	0	20	4.60	-	0	6	-	10.60	425.9	0.44
10	33 kV Lines (km)	621.57	199.22	63.6	81	343.82	600	64.90	71.44	42.29	66.79	75.77	321.19	827.46	41.08
C. DISTRIBUTION															
1	Service Connections (Nos)	2,350,000	447,817	442,889	413,682	1,304,388	2,108,130	403,421	415,216	422,238	381,247	462,482	2084604	1138977	368673
2	HT lines – 11 kV & 22 kV (km)	16,556	3,398	3,659	2,986	10,043	15,855	1,579	1,884	1,807	2,022	1846	9137.59	12661	1744.11
3	LT lines (km)	19,270	7,838	6,761	4,105	18,704	26,900	3,066	3,735	4,636	3,312	5358	20107.00	8537	3129.73
4	Distribution Transformers (Nos)	11,790	5,790	5,804	4,479	16,073	18,543	2,643	3,200	3,547	2,389	2271	14050	6249	2353
5	Faulty Meter Replacement (Nos)	1,706,645	1,013,517	708,556	610,368	2,332,441	4,531,316	651,072	1,039,790	840,691	660,735	469,285	3661573	3835927	1237110

TABLE 38

ALL INDIA INSTALLED GENERATION CAPACITY OF POWER UTILITIES (Sector wise)

As on 31-3-2018

Region	Sector	Source wise breakup							Total
		Thermal				Nuclear	Hydro	Renewable*	
			Gas	Diesel	Total				
Northern Region	State	16888.00	2879.20	0.00	19767.20	0.00	8643.55	689.56	29100.31
	Private	22760.83	558.00	0.00	23318.83	0.00	2514.00	11854.66	37687.49
	Central	13290.37	2344.06	0.00	15634.43	1620.00	8596.22	329.00	26179.65
	Sub total	52939.20	5781.26	0.00	58720.46	1620.00	19753.77	12873.22	92967.45
Western Region	State	21280.00	2849.82	0.00	24129.82	0.00	5446.50	311.19	29887.51
	Private	34285.67	4676.00	0.00	38961.67	0.00	481.00	19473.89	58916.56
	Central	15042.95	3280.67	0.00	18323.62	1840.00	1520.00	661.30	22344.92
	Sub total	70608.62	10806.49	0.00	81415.11	1840.00	7447.50	20446.38	111148.99
Southern Region	State	19432.50	791.98	287.88	20512.36	0.00	11808.03	518.02	32838.41
	Private	12124.50	5322.10	473.70	17920.30	0.00	0.00	33359.36	51279.66
	Central	14225.02	359.58	0.00	14584.60	3320.00	0.00	491.90	18396.50
	Sub total	45782.02	6473.66	761.58	53017.26	3320.00	11808.03	34369.28	102514.57
Eastern Region	State	7070.00	100.00	0.00	7170.00	0.00	3537.92	225.11	10933.03
	Private	6375.00	0.00	0.00	6375.00	0.00	399.00	803.29	7577.29
	Central	13876.64	0.00	0.00	13876.64	0.00	1005.20	10.00	14891.84
	Sub total	27321.64	100.00	0.00	27421.64	0.00	4942.12	1038.40	33402.16
North Eastern Region	State	0.00	457.95	36.00	493.95	0.00	422.00	254.25	1170.20
	Private	0.00	24.50	0.00	24.50	0.00	0.00	23.31	47.81
	Central	520.02	1253.60	0.00	1773.62	0.00	920.00	5.00	2698.62
	Sub total	520.02	1736.05	36.00	2292.07	0.00	1342.00	282.56	3916.63
Islands	State	0.00	0.00	40.05	40.05	0.00	0.00	5.25	45.30
	Private	0.00	0.00	0.00	0.00	0.00	0.00	2.21	2.21
	Central	0.00	0.00	0.00	0.00	0.00	0.00	5.10	5.10
	Sub total	0.00	0.00	40.05	40.05	0.00	0.00	12.56	52.61
All India	State	64670.50	7078.95	363.93	72113.38	0.00	29858.00	2003.38	103974.76
	Private	75546.00	10580.60	473.70	86600.30	0.00	3394.00	65516.72	155511.02
	Central	56955.00	7237.91	0.00	64192.91	6780.00	12041.42	1502.30	84516.63
	Sub total	197171.50	24897.46	837.63	222906.59	6780.00	45293.42	69022.40	344002.41

Fig at decimal may not tally due to rounding off

***Break up of Renewables**

Small Hydro	Wind	Bio Power		Solar	Total capacity
		BM Power /Co-gen	Waste to Energy		
4485.81	34046.00	8700.80	138.30	21651.48	69022.39

Source -CEA Annual Report

TABLE 39

ALL INDIA INSTALLED GENERATION CAPACITY (MW) OF POWER UTILITIES (State wise)

State / UT / Utilities	In MW				As on 31-3-2018			
	Source wise breakup							Total
	Thermal				Nuclear	Hydro	Renewable	
Coal	Gas	Diesel	Total					
Delhi	4821.94	2115.41	0.00	6937.35	102.83	723.09	121.57	7884.84
Haryana	8095.50	685.61	0.00	8781.11	100.94	1948.21	411.75	11242.01
Himachal Pradesh	183.40	62.01	0.00	245.41	28.95	2910.48	853.84	4038.68
Jammu & Kashmir	506.39	304.07	0.00	810.46	67.98	2369.48	180.39	3428.31
Punjab	8590.08	414.01	0.00	9004.09	196.81	3781.65	1282.42	14264.97
Rajasthan	10938.25	824.90	0.00	11763.15	556.74	1930.97	6773.64	21024.50
Uttar Pradesh	18073.72	549.49	0.00	18623.21	289.48	3421.03	2677.01	25010.73
Uttarakhand	442.24	519.66	0.00	961.90	31.24	1815.69	547.40	3356.23
Chandigarh	38.15	15.03	0.00	53.18	8.01	101.71	25.20	188.10
Central unallocated	1249.53	291.05	0.00	1540.58	237.03	751.45	0.00	2529.06
Total Northern Region	52939.20	5781.24	0.00	58720.44	1620.01	19753.76	12873.22	92967.43
Goa	454.78	67.67	0.00	522.45	26.00	0.00	0.96	549.41
Daman & Diu	126.63	43.34	0.00	169.97	7.00	0.00	10.61	187.58
Gujarat	15606.16	6561.82	0.00	22167.98	559.00	772.00	7295.32	30794.30
Madhya Pradesh	12448.41	357.00	0.00	12805.41	273.00	3223.66	4019.80	20321.87
Chattisgarh	12723.44	0.00	0.00	12723.44	48.00	120.00	535.35	13426.79
Maharashtra	26960.75	3512.73	0.00	30473.48	690.00	3331.84	8578.88	43074.20
Dadra & Nagar Haveli	174.44	66.34	0.00	240.78	9.00	0.00	5.46	255.24
Central unallocated	2114.00	197.59	0.00	2311.59	228.00	0.00	0.00	2539.59
Total Western Region	70608.61	10806.49	0.00	81415.10	1840.00	7447.50	20446.38	111148.98
Andhra Pradesh	10558.44	3929.52	36.80	14524.76	127.27	1673.60	6725.88	23051.51
Telangana	7878.07	950.88	0.00	8828.95	148.73	2449.93	3659.52	15087.13
Karnataka	9807.70	0.00	153.12	9960.82	698.00	3599.80	12438.85	26697.47
Kerala	1758.22	533.58	159.96	2451.76	362.00	1881.50	379.46	5074.72
Tamilnadu	13647.19	1027.18	411.70	15086.07	1448.00	2203.20	11165.41	29902.68
NLC	100.00	0.00	0.00	100.00	0.00	0.00	0.00	100.00
Pondicherry	248.40	32.50	0.00	280.90	86.00	0.00	0.16	367.06
Central unallocated	1784.00	0.00	0.00	1784.00	450.00	0.00	0.00	2234.00
Total Southern Region	45782.02	6473.66	761.58	53017.26	3320.00	11808.03	34369.28	102514.57

Table 39 continued

State / UT / Utilities	Source wise breakup							Total
	Thermal				Nuclear	Hydro	Renewable	
	Coal	Gas	Diesel	Total				
Bihar	3905.33	0.00	0.00	3905.33	0.00	110.00	326.15	4341.48
Jharkhand	1543.74	0.00	0.00	1543.74	0.00	191.00	29.72	1764.46
West Bengal	8705.77	100.00	0.00	8805.77	0.00	1396.00	435.82	10637.59
DVC	6985.04	0.00	0.00	6985.04	0.00	186.20	0.00	7171.24
Odisha	4992.90	0.00	0.00	4992.90	0.00	2150.92	194.60	7338.42
Sikkim	87.03	0.00	0.00	87.03	0.00	823.00	52.11	962.14
Central unallocated	1101.83	0.00	0.00	1101.83	0.00	85.01	0.00	1186.84
Total Eastern Region	27321.64	100.00	0.00	27421.64	0.00	4942.13	1038.40	33402.17
Assam	279.02	748.51	0.00	1027.53	0.00	431.23	46.56	1505.32
Arunachal Pradesh	24.70	46.82	0.00	71.52	0.00	97.45	110.00	278.97
Meghalaya	30.40	109.69	0.00	140.09	0.00	387.19	31.05	558.33
Tripura	37.40	606.45	0.00	643.85	0.00	62.38	21.10	727.33
Manipur	31.40	71.57	36.00	138.97	0.00	88.93	5.51	233.41
Nagaland	21.40	48.93	0.00	70.33	0.00	53.37	31.67	155.37
Mizoram	20.70	40.46	0.00	61.16	0.00	94.19	36.67	192.02
Central unallocated	75.00	63.62	0.00	138.62	0.00	127.26	0.00	265.88
Total North Eastern Region	520.02	1736.05	36.00	2292.07	0.00	1342.00	282.56	3916.63
Andaman & Nicobar Island	0.00	0.00	40.05	40.05	0.00	0.00	11.81	51.86
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.75
Total Islands	0.00	0.00	40.05	40.05	0.00	0.00	12.56	52.61
GRAND TOTAL	197171.49	24897.44	837.63	222906.56	6780.01	45293.42	69022.40	344002.39

Fig at decimal may not tally due to rounding off

Source: CEA Report