

POWER SYSTEM STATISTICS

2015-16



KERALA STATE ELECTRICITY BOARD LIMITED

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TABLE 1
GROWTH OF KERALA POWER SYSTEM

Sl. No.	Particulars	Unit	As on 31-3-05	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
1	Installed capacity	MW	2623.86	2650.41	2662.96	2676.66	2744.76	2752.96	2869.56	2878.36	2881.22	2891.72	2835.63 *	2880.18
2	Maximum demand (Restricted)	MW	2420	2578	2742	2745	2765	2998	3119	3348	3268	3588	3602	3860
3	Maximum demand (Unrestricted)	MW	2420	2578	2862	2745	2765	2998	3119	3473	3298	3588	3727	3985
4	Annual energy requirement (Unrestricted)	MU	12893.41	13567.99	14695.17	15442.73	16357.16	17350.02	17807.77	19521.41	20736.19	21264.51	22040.04	22944.45
5	Own generation (gross)	MU	6328.98	7554.08	7695.11	8647.69	6440.44	7189.51	7359.97	8289.91	5334.27	8163.03	7286.90	6739.25
6	Power purchase (gross)	MU	6390.79	6700.50	8149.84	8074.62	9628.87	10204.21	10512.27	11263.21	14908.82	14070.42	15031.71	16448.36
7	Energy available for sale (incl. PGCIL loss)	MU	12504.84	13331.03	14427.96	15065.15	15293.41	16982.29	17340.27	18938.80	19877.21	20542.49	21573.16	22727.34
8	Energy sale to other states	MU	0.00	635.91	1046.89	1346.76	463.33	53.90	130.24	201.10	0.97	1414.60	358.09	53.48
9	Energy sale (within the state)	MU	9384.40	10269.80	11331.00	12049.85	12414.32	13971.09	14547.90	15980.53	16838.29	17470.86	18430.73	19460.32
10	Total sale including export	MU	9384.40	10905.71	12377.89	13396.61	12877.65	14024.99	14678.14	16181.63	16839.26	18885.46	18788.82	19513.80
11	Per capita consumption	kWh	289	314	345	366	375	420	436	478	501	516	544	565
12	220 kV Lines	km	2594.35	2640.85	2640.85	2641.86	2641.86	2734.70	2734.70	2734.70	2761.57	2765.00	2801.20	2801.89
13	110 kV Lines	km	3894.67	3965.97	3993.71	4050.09	4067.59	4115.89	4150.11	4151.00	4178.55	4260.27	4299.67	4345.52
14	66 kV Lines	km	2072.06	2120.51	2150.78	2161.91	2161.91	2161.91	2161.91	2161.91	2166.51	2202.81	2202.81	2220.56
15	33 kV Lines	km	686.01	778.72	909.77	1015.21	1184.78	1390.20	1453.80	1534.80	1599.70	1719.28	1761.57	1826.66
16	HT lines (11 kV & 22 kV)	km	33,691	34,753	36,576	38,392	41,440	44,839	48,503	51,489	53,068	53,740	55,547	57,650
17	LT lines	km	2,10,458	2,17,899	2,26,128	2,34,286	2,41,849	2,49,687	2,56,449	2,60,554	2,63,620	2,64,117	2,68,753	2,85,970 **
18	Step up transformer capacity	MVA	2,386.90	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
19	Step down transformer capacity	MVA	12,870	13,669	13,777	14,246	14,631	15,726	16,660	16,996	17,408	17,913	18,461	18,779
20	EHT substations	No.	199	206	210	216	218	229	235	238	241	244	244	250
21	33 kV substations	No.	39	49	59	73	89	107	114	121	129	133	134	137
22	Distribution transformers	No.	35,822	37,573	39,697	42,250	46,359	52,149	57,954	62,329	64,972	67,546	71,198	73,460
23	Distribution transformer capacity	MVA	4,763.55	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	8,694.20	8950.02
24	Number of consumers	Lakh	77.99	82.95	87.14	90.34	93.63	97.43	101.28	104.58	108.07	111.93	114.31	116.68
25	Connected load	MW	10,333.51	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	20980.53
26	Street lights	No.	9,08,016	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
27	Irrigation pumpsets	No.	4,12,602	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
28	Total revenue from sale of power	Rs.Crore	2,917.36	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	10116.26	10914.44

* 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

TABLE 2
PLAN WISE ACHIEVEMENTS

Sl. No	Particulars	10th Plan					11th Plan					12th Plan			
		1st Year	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
		2002-03	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
1	Installed capacity (MW)	2.8	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
2	220 kV line (km)	0	4.26	12.20	46.50	0	1.01	0	18.26	0	0	26.87	0	36.2	0.69
3	110 kV line (km)	36.39	175.7	71.86	71.30	27.74	56.38	17.5	48.3	34.22	0.89	27.55	112.59	39.4	66.7
4	66 kV line (km)	44.4	10.25	5.04	48.45	30.27	11.13	0	0	0	0	4.60	36	0	6
5	33 kV line (km)	102.75	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
6	11 kV line (km)	1083	1226	956	1062	1823	1816	3048	3398	3659	2986	1579	1884	1807	2022
7	LT Lines (km)	5043	4664	6073	7440.60	8229	8158	7563	7838	6762	4105	3066	3735	4636	3312
8	Step up transformer capacity (MVA)	0	17.15	0	40.5	0	0	38.2	6.6	122.2	11	6.60	3	44	32
9	No. of EHT substations including upgradation	4	7	6	7	4	6	2	11	6	3	3	6	2	11
10	No. of 33 kV substations	7	7	15	10	10	14	16	18	7	7	8	4	1	3
11	Step down transformer capacity (MVA)	521	732	605	799	108	469	385	1095	934	336	412	505	547.9	318
12	No. of distribution transformers	870	1303	1882	1751	2124	2553	4109	5790	5805	4375	2643	3200	3547	2389
13	Distribution transformer capacity (MVA)	47.94	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
14	Service connections effected	355520	391815	548307	548521	478745	482766	442895	447817	442889	413682	403421	415216	422238	381247
15	Connected load (MW)	477.42	515.65	423.36	573.69	558.49	912.31	2889.44	599.11	815.30	836.57	1005.09	1160.64	707.4	589.0
16	Street lights installed (Nos)	23148	34383	43432	64884	38760	49448	37641	61532	54768	15622	38675	40195	51621	57923
17	Pump sets connected (Nos)	1563	8520	13606	10969	12102	5285	9213	6132	8583	8618	11211	12160	11607	10026

**TABLE 3
PARTICULARS OF GENERATORS**

1	Name of Station	Pallivasal	Sengulam	Poringalkuthu	Neriamangalam	Panniar	Sholayar	Sabarigiri	Kuttiyadi	Idukki	Idamalayar	Kallada
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
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
4	Rated kVA	5,550/9,330	14,125	9,400	19,500	18,000	22,000	55,500/66,667	28,000	1,44,000	41,118	8,824
5	Rated voltage (kV)	11	11	11	11	11	11	11	11	11	11	11
6	Nominal output (MW)	5/7.5	12.8	8	17.55	16.2	18	55/60	25	130	37.5	15
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
8	Speed (RPM)	750	600	600	600	600	750	500	600	375	333.3	428.5
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	Subtransient 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
PARTICULARS OF GENERATORS**

1	Name of Station	Kanjikode wind farm	Lower Meenmutty	Kuttiadi Tail Race	Peppara	Lower Periyar	BDPP	PLBE	KDPP	Kakkad	Mattupetty	KES	Malampuzha
2	Make of units	Vestas Denmark	VA Tech Flovel / TD Power	Jyothi	Jyothi / Kirloskar	BHEL	GEC Alstom France	BHEL	ABB	BHEL	Jyothi	GE Canada	Jyothi
3	Prime mover	Wind	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
4	Rated kVA	265	1667/ 555.61	1,470	3,500	66,670	23,690	17,800	17,778	29,412	2,353	55,556	2,941
5	Rated voltage (kV)	0.4	3.3	3.3	11	11	11	11	11	11	11	11	11
6	Nominal output (MW)	0.225	1.5 / 0.5	1.25	3	60	21.32	16	16	25	2	50	2.5
7	Power factor	0.85	0.9	0.85	0.85	0.9	0.9	0.9	0.9	0.85	0.85	0.9	0.85
8	Speed (RPM)	1000	750 / 500	600	500	333.3	428	600	500	428.6	750	500	750
9	Synchronous reactance X _d (%)	-	90 / 100	80	90	1	160	105	216	100	88.4	99	90
10	Transient reactance X' _d (%)	-	15 / 19	26.2	18	0.25	37	30	40	26.4		29	25
11	Subtransient reactance X'' _d (%)	-	14 / 18	17.4	14	0.25	27.5	18	21	15	18.4	25	19
12	Negative sequence reactance X ₂ (%)	-	11.7/15	17.1	15	0.18	29.5	24	21		10.25	27	20
13	Zero sequence reactance X ₀ (%)	-	6/7	11.06	1	0.1	14.3	6	10.5		8.52	7	8
14	Short circuit ratio	-	1.31/1.3	1.1	1.1	1	0.75	1	0.531	1	1	1.1	1.11
15	Grounding of Neutral		Resistance	PT	Resistance	Transformer	Transformer	Transformer	Resistance	Transformer	Dial Earthing	Transformer	Transformer
16	Rated field current (Amps)	-	192.34/140.51	240/95	4.8	1062	1085	750	405	950	265	1304	280

**TABLE 3
PARTICULARS OF GENERATORS**

1	Name of Station	Chembukadavu Stage I	Chembukadavu Stage II	Urumi Stage I	Urumi Stage II	Malankara	KAES	Ranni Perinad	Poozhithode	Peechi	Vilangad	Chimmony	Barapole	Adyanpara
2	Make of units	Zhejiang Linhai Co Ltd. China	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
3	Prime mover	Horizontal Francis	Horizontal Francis	Horizontal Francis	Horizontal Francis	Horizontal Kaplan	Vertical Pelton	Horizontal Kaplan	Horizontal Francis	Horizontal Kaplan	Horizontal Francis	Horizontal Francis	Horizontal Francis	Horizontal Francis
4	Rated kVA	1,125	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
5	Rated voltage (kV)	6.3	6.3	6.3	6.3	11	11	3.3	3.3	3.3	3.3	3.3	11	3.3
6	Nominal output (MW)	0.9	1.25	1.25	0.8	3.5	50	2	1.6	1.25	2.5	2.5	5	1.5
7	Power factor	0.8	0.8	0.8	0.8	0.85	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
8	Speed (RPM)	750	750	1000	1000	750	500	750	750	600	750	600	500	750
9	Synchronous reactance X _d (%)	110	113	127	112	93.55	108	1	89.3	85	100	1.25	1.22	1.15
10	Transient reactance X' _d (%)	20.74	26	19.1	17.35	27.22	20.6	22	22.06	26	23	0.356	0.28	0.21
11	Subtransient reactance X'' _d (%)	13.78	19	13.6	13.03	17.22	11.38	15	17.6	19	16	0.224	0.19	0.134
12	Negative sequence reactance X ₂ (%)	14.35	19	14.4	14.13	23.84	11	20	29	18	22	0.28	0.21	0.135
13	Zero sequence reactance X ₀ (%)	5.33	5.9	4.7	4.1	8.41	8	15	19	12	16	0.2	0.04	0.142
14	Short circuit ratio	1.095	1	≥1.0	>1.0	1	>1	1	1.12	1	1.08	0.8	0.81	0.87
15	Grounding of Neutral	Ungrounded	Ungrounded	Ungrounded	Ungrounded	Transformer	Transformer	Transformer	Transformer	Transformer	Neutral grounding resistor	Yes	Yes	Yes
16	Rated field current (Amps)	230	272	276	260	650	2916	140	204.6	184	178	486	291.6	95

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	37.50	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	51.20	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	31.11.2005	52.65	237	60
4	Panniar	Unit #1 - 16.2 Unit #2 - 16.2	29.12.1963 26.01.1964	01.02.2003 23.11.2001	32.40	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	170	61.25
6	Sholayar	Unit #1 - 18 Unit #2 - 18 Unit #3 - 18	09.05.1966 26.01.1968 14.05.1968		54	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	07.02.2009 17.03.2008 06.05.2014 05.05.2006	340	1338	51
8	Kuttiyadi	Unit #1 - 25 Unit #2 - 25 Unit #3 - 25	11.09.1972 01.11.1972 28.11.1972	NA	75	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	2398	35.92
10	Idamalayar	Unit #1 - 37.5 Unit #2 - 37.5	03.02.1987 28.02.1987	NA	75	380	57.73
11	Kallada	Unit #1 - 7.5 Unit #2 - 7.5	05.09.1994 05.01.1994	NA	15	65	40.33
12	Peppara	3	15.06.1996	NA	3	11.50	43.33

Table 4 continued

TABLE4.....

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	493	31.28
14	Mattupetty	2	14.01.1998	NA	2	6.40	35
15	Poringalkuthu Left Bank Extension	16	20.03.1999	NA	16	74	61.25
16	Kakkad	Unit #1 - 25 Unit #2 - 25	13.10.1999	NA	50	262	60
17	Kuttiyadi Extension	50	27.01.2001	NA	50	75	17.12
18	Malampuzha	2.5	26.11.2001	NA	2.50	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	2.7	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	3.75	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	3.75	9.72	30
22	Urumi Stagell	Unit #1 - 0.8 Unit #2 - 0.8 Unit #3 - 0.8	25.01.2004 25.01.2004 25.01.2004	NA	2.4	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	10.5	65	70
24	LowerMeenmutty	Unit #1 - 1.5 Unit #2 - 1.5 Unit #3 - 0.5	25.03.2006 25.03.2006 25.03.2006	NA	3.5	7.63	30
25	Neriamangalam Extension	25	27.05.2008	NA	25	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	3.75	17.01	50
27	Kuttiadi Additional Extension	Unit #1 - 50 Unit #2 - 50	11.10.2010 30.10.2010	NA	100	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	4.8	10.97	26
29	Ranni perinad	Unit #1 - 2 Unit #2 - 2	16.02.2012 16.02.2012	NA	4	16.73	48
30	Peechi	1.25	07.01.2013	NA	1.25	3.21	30
31	Vilangad	Unit #1 - 2.5 Unit #2 - 2.5 Unit #3 - 2.5	26.07.2014	NA	7.5	22.63	34

Table 4 continued

TABLE4.....

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	2.5	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	3.5	9.01	30
34	Barapole	Unit #1 - 5 Unit #2 - 5 Unit #3 - 5	29.02.2016 29.02.2016 29.02.2016	NA	15	36	27
	Total				2046.15	7148.28	
	PART B - WIND						
1	Kanjikode	9 x 0.225 MW	18.05.1995	NA	2.025	4	20
	Total				2.025	4	
	PART C - THERMAL						
1	Brahmapuram 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	63.96	606	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	896	80
	Total				159.96	1502.00	
3	Kayamkulam (NTPC)	Unit #1 - 116.6 Unit #2 - 116.6 Unit #3 - 126.6	02.11.1998 28.02.1999 11.12.1999	NA	359.58	2158	68.50
	PART D - SOLAR						
1	Kanjikode	1.00	10.08.2015	NA	1.00	1.63	18
2	Chaliyoor Colony, Agali	0.096	31.08.2015	NA	0.096	0.15	18
3	Poringalkuthu Powerhouse	0.05	10.09.2015	NA	0.05	0.06	14
4	Banasurasagar, Wayanad	0.01	21.01.2016	NA	0.01	0.014	17
	Total				1.156	1.86	
	PART D - PRIVATE HYDRO						
1	Maniyar	Unit #1 - 4 Unit #2 - 4 Unit #3 - 4	31.03.1994 30.12.1994 29.12.1994	NA	12	36	30.83
2	Kuthungal	Unit #1 - 7 Unit #2 - 7 Unit #3 - 7	01.06.2001 01.06.2001 01.06.2001	NA	21	79	42.94
3	Ullunkal	Unit #1 - 3.5 Unit #2 - 3.5	13.11.2008 13.11.2008	NA	7	32.22	53

Table 4 continued

TABLE4.....

Sl. No.	Name of Station	Unit Capacity (MW)	Date of Commissioning		Station Capacity (MW)	Annual Generation Capability (MU)	Design PLF (%)
			Original date	After renovation			
4	Iruttukkanam	Unit #1 - 1.5 Unit #2 - 1.5 Unit #3 - 1.5	18.09.2010 19.09.2010 4.04.2012	NA	4.5	15.86	50
5	Pampumkayam (Mankulam)	Unit #1 - 0.055 Unit #2 - 0.055	3.8.2012	NA	0.11	0.29	-
6	Karikkayam	Unit #1 - 3.5 Unit #2 - 3.5 Unit #3 - 3.5	29.08.2013 2.09.2013 28.09.2013	NA	10.50	43.69	-
7	Meenvallom	Unit #1 - 1.5 Unit #2 - 1.5	17.6.2014	NA	3.00	8.37	-
8	Kallar	0.05	31.3.2015	NA	0.05	0.13	-
	Total				58.16	215.56	
	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	1099	80
2	Kasargode Power Corporation	Unit #1 - 7.3 Unit #2 - 7.3 Unit #3 - 7.3	01.01.2001	NA	21.90	140	80
3	MPS Steel Castings Ltd (Co-generation plant)	10	19.02.2009	NA	10	67.63	77.20
4	Phillips Carbon Black Ltd (Co-generation plant)	10	31.03.2011	NA	10	70.08	-
	Total				198.90	1376.71	
	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	14.25	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	18.60	37.47	23
3	Ahalia, Kanjikode	1 x 2.1 MW 3 x 2.1 MW	22.02.2016 23.03.2016	NA	8.40	16.19	22
	Total				41.25	86.12	
	PART G - PRIVATE SOLAR						
1	Cochin International Airport Ltd	1MW 12MW	30.11.13 18.08.15	NA	13	20.50	18
	Total				13	21	
	GRAND TOTAL				2880.18	12513.02	

TABLE 5
ANNUAL PLANT LOAD FACTOR (PLF) OF HYDRO STATIONS (in %)

Station	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
Idukki	18.21	29.37	39.58	35.66	48.4	30.70	29.79	33.06	44.52	22.87	40.08	36.5	34.62
Sabarigiri	26.00	45.40	54.61	59.23	61.57	33.73	53.36	55.97	58.49	35.16	66.32	41.12	39.21
Idamalayar	22.91	51.65	55.72	55.18	71.1	44.72	49	56.53	52.97	37.89	58.64	56.72	45.40
Kuttiady + KES	23.56	33.85	47.08	53.39	58.25	54.30	60.36	29.87	38.76	25.36	42.79	39.57	30.34
Poringalkuthu	50.77	64.30	58.75	60.17	46.32	45.46	52.3	63.27	59.46	46.02	37.66	57.97	54.00
PLBE	63.51	76.98	75.19	76.92	42.65	78.21	77.64	86.1	72.68	70.47	81.27		75.70
Sholayar	42.28	55.79	61.38	53.41	51.77	45.22	47.34	51.42	46.46	44.12	49.27	50.36	44.30
Pallivasal	58.75	67.85	72.58	83.61	80.48	60.26	85.14	84.56	70.27	51.49	65.61	78.94	83.50
Sengulam	30.48	39.97	44.90	35.92	36.78	36.54	35.74	38.34	38.49	25.45	33.48	36	38.17
Panniar	28.77	54.25	60.83	53.34	28.51	0.00	46.22	63.73	65.63	32.06	60.76	55.26	61.98
Neriamangalam	46.89	55.32	57.35	58.66	64.8	49.43	48.58	53.28	53.11	33.48	52.37	50.57	51.72
LowerPeriyar	23.05	32.54	40.05	38.35	40.2	30.65	32.59	38.21	41.14	22.61	38.12	37.44	33.04
Kakkad	29.24	47.90	56.80	59.12	50.89	37.17	59.23	55.21	52.86	32.07	56.54	56.18	54.48
Kallada	26.34	59.44	48.79	56.09	51.96	35.27	45.98	54.86	49.94	16.6	51.57	48.53	33.88
Peppara	16.97	22.07	14.56	28.46	31.02	20.99	23	37.12	31.19	14.05	29.06	20.34	16.30
Madupetty	9.47	27.12	39.23	32.43	39.34	32.79	10.91	13.01	6.96	13.97	34.87	21.87	25.01
Malampuzha	0.80	13.48	3.12	9.41	0	0	0	0	12.63	8.69	20.03	25.14	9.20
Chempukkadavu	3.21	10.50	18.75	21.54	16.38	17.76	14.98	23.96	21.23	16.56	21.85	20.32	16.65
Urumi	-	2.82	23.79	26.96	25.49	21.89	21.5	29.58	24.63	19.69	25.43	24.09	16.93
Malankara	-	-	50.42	52.55	62.19	36.41	56.14	63.87	55.25	45.79	32.99	64.23	35.20
Lower Meenmutty	-	-	-	18.34	16	13.40	11.17	23.47	15.86	7.04	17.90	20.78	18.78
Kuttiady Tailrace	-	-	-	-	-	63.56	21.09	19.84	26.09	23.96	24.86	35.93	25.39
Poozhithode	-	-	-	-	-	-	-	-	22.27	25.38	28.59	26.94	22.19
Ranni-Perinad	-	-	-	-	-	-	-	-	0.16	4.68	26.10	33.57	22.35
Peechi	-	-	-	-	-	-	-	-	-	-	-	16.39	12.86
Vilangad	-	-	-	-	-	-	-	-	-	-	-	10.98	19.23
Chimmony	-	-	-	-	-	-	-	-	-	-	-	-	20.68
Adyanpara	-	-	-	-	-	-	-	-	-	-	-	-	7.00

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

* 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	5x55+1x60	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
Poozhithodu	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

Table 8.....

TABLE 8
STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS FOR 2006-07

(in Million Units)

	Name of Station / Source	04/06	05/06	06/06	07/06	08/06	09/06	10/06	11/06	12/06	01/07	02/07	03/07	Total
A	Hydro													
1	Idukki	402.40	317.50	198.67	131.15	119.47	98.63	117.98	87.29	161.10	256.43	243.31	303.02	2436.92
2	Sabarigiri	137.43	136.33	163.81	133.17	98.41	74.07	112.38	166.56	151.00	137.48	97.90	147.95	1556.48
3	Idamalayar	38.26	30.11	26.73	20.65	10.23	23.18	41.21	26.70	52.24	40.46	39.30	37.62	386.68
4	Kuttiadi + KES	1.88	4.56	69.70	87.22	86.49	82.03	78.29	54.99	50.44	38.67	44.10	47.01	645.38
5	Poringalkuthu	9.28	11.10	20.40	24.82	24.67	22.86	18.17	16.55	11.73	9.52	7.49	7.89	184.47
6	Poringalkuthu LBE	5.20	2.94	10.95	11.75	11.82	11.33	11.28	10.91	9.83	6.58	6.67	8.56	107.81
7	Sholayar	27.50	20.97	11.20	3.69	10.68	30.31	19.03	22.45	36.18	20.79	33.49	29.47	265.75
8	Pallivasal	17.38	19.54	19.12	21.53	22.52	21.85	22.57	21.86	22.03	20.00	12.36	20.94	241.69
9	Sengulam	10.50	12.37	15.10	19.60	19.75	18.54	19.10	18.05	15.70	10.61	6.31	10.62	176.23
10	Panniar	10.23	9.00	10.42	17.21	11.61	18.94	23.23	22.19	21.09	7.59	1.39	15.31	168.20
11	Neriamangalam	16.61	17.24	24.12	25.81	25.25	29.40	38.99	37.54	32.46	7.71	0.98	21.38	277.50
12	Lower Periyar	18.44	28.97	55.00	114.20	85.98	85.10	92.58	82.02	38.40	18.37	5.29	20.67	645.02
13	Kakkad	20.56	20.85	24.74	24.41	18.77	15.22	20.39	24.23	21.93	20.54	15.78	21.16	248.57
14	Kallada	8.54	3.21	1.80	5.09	5.38	5.65	7.27	10.32	8.94	4.31	6.87	8.78	76.16
15	Peppara	0.24	0.16	0.59	1.07	0.74	1.39	0.69	1.34	0.48	0.25	0.28	0.26	7.48
16	Malankara	2.12	1.99	1.83	2.07	2.64	2.66	2.97	2.40	2.27	3.77	3.50	4.01	32.22
17	Madupetty	0.00	0.53	0.19	0.00	0.00	0.14	0.85	1.25	0.68	0.81	0.36	0.87	5.68
18	Chembukadavu	0.00	0.00	2.15	3.33	2.64	2.40	1.10	0.55	0.00	0.00	0.00	0.00	12.17
19	Urumi	0.00	0.15	2.37	3.82	2.80	2.47	1.82	1.09	0.00	0.00	0.00	0.00	14.52
20	Malampuzha	0.00	0.00	0.00	0.00	0.01	0.71	0.18	0.85	0.32	0.00	0.00	0.00	2.06
21	Lower Meenmutty	0.00	0.21	0.53	0.87	0.68	0.82	0.95	0.95	0.44	0.08	0.02	0.06	5.62
	Sub Total Hydro	726.55	637.73	659.43	651.47	560.54	547.68	631.01	610.07	637.26	603.94	525.39	705.55	7496.62
	Auxiliary consumption	3.18	2.80	2.89	2.86	2.46	2.40	2.77	2.67	2.79	2.65	2.30	3.09	32.86
	Net Hydro Generation	723.37	634.93	656.54	648.61	558.08	545.28	628.24	607.40	634.47	601.29	523.09	702.46	7463.76
B	Wind	0.17	0.27	0.20	0.28	0.21	0.17	0.12	0.11	0.23	0.19	0.12	0.07	2.14

Table 8 continued

Table 8.....

(in Million Units)

Name of Station / Source	04/06	05/06	06/06	07/06	08/06	09/06	10/06	11/06	12/06	01/07	02/07	03/07	Total
Thermal													
BDPP	12.19	5.49	2.87	2.36	1.30	4.11	8.25	3.55	7.89	12.43	12.14	12.79	85.36
KDPP	18.21	10.10	3.28	2.15	2.89	5.08	11.50	8.31	11.90	25.85	25.74	36.65	161.66
Sub Total Thermal	30.40	15.59	6.15	4.51	4.19	9.19	19.75	11.86	19.79	38.28	37.88	49.44	247.02
Auxiliary consumption	1.04	0.53	0.21	0.15	0.14	0.32	0.68	0.41	0.68	1.31	1.30	1.70	8.47
Net Thermal Generation	29.36	15.06	5.94	4.36	4.05	8.87	19.07	11.45	19.11	36.97	36.58	47.74	238.55
Total Internal Generation (excl. aux. cons.)	752.90	650.25	662.68	653.24	562.34	554.32	647.43	618.96	653.81	638.44	559.80	750.27	7704.45
Central Generating Stations													
NTPC-RSTPS	255.32	260.03	190.36	167.42	190.57	207.49	218.52	255.64	262.24	242.37	208.80	251.78	2710.54
Talcher Stage-II	298.58	283.41	256.55	319.21	320.34	303.82	314.87	308.83	282.28	297.39	290.67	280.51	3556.46
NLC-Stage-I	25.56	36.61	41.37	32.38	25.25	14.12	6.77	13.30	13.75	33.34	38.67	46.35	327.47
NLC-Stage-II	39.59	38.55	43.18	52.77	52.41	53.22	37.67	37.39	51.10	64.10	61.14	65.04	596.16
NLC Expansion	34.32	44.96	47.79	33.57	39.99	44.11	32.77	50.08	50.71	47.63	42.12	41.78	509.83
MAPS	13.56	14.59	8.57	9.46	12.40	12.09	12.38	12.02	10.25	11.76	10.39	10.78	138.25
KAIGA	23.75	26.67	25.70	19.00	17.81	25.72	26.60	21.44	26.39	24.26	19.80	21.94	279.08
Sub Total CGS	690.68	704.82	613.52	633.81	658.77	660.57	649.58	698.70	696.72	720.85	671.59	718.18	8117.79
UI Import	-54.19	-21.08	-10.01	1.37	28.25	29.51	1.98	-78.63	-62.22	-7.65	1.87	0.78	-170.02
IPPs													
RGCCPP	0.00	0.00	0.00	-1.64	-1.14	-0.67	-1.37	0.00	0.00	0.16	0.00	0.00	-4.66
BSES	46.79	25.33	-0.04	-0.02	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	54.43	56.71	183.02
KPCL	1.97	1.73	-0.03	-0.05	-0.03	-0.05	0.58	1.28	1.07	1.62	5.78	9.84	23.71
Sub Total IPPs	48.76	27.06	-0.07	-1.71	-1.20	-0.75	-0.82	1.25	1.04	1.75	60.21	66.55	202.07
Total power purchase (E+F+G)	685.25	710.80	603.44	633.47	685.82	689.33	650.74	621.32	635.54	714.95	733.67	785.51	8149.84
External PGCIL loss	31.49	32.13	27.97	28.90	30.03	30.12	29.62	31.85	31.76	32.86	30.62	32.74	370.10
Net power purchase at KSEB bus (H-I)	653.76	678.67	575.47	604.57	655.79	659.21	621.12	589.47	603.78	682.09	703.05	752.77	7779.74
Total Generation & Power Purchase (D+J)	1406.66	1328.92	1238.15	1257.81	1218.13	1213.53	1268.56	1208.43	1257.59	1320.53	1262.85	1503.04	15484.19
Auxiliary consumption in substations	0.85	0.80	0.75	0.76	0.74	0.73	0.76	0.73	0.76	0.80	0.76	0.90	9.34
Net energy available for sale (K-L)	1405.81	1328.12	1237.40	1257.05	1217.39	1212.80	1267.80	1207.70	1256.83	1319.73	1262.09	1502.14	15474.85
Energy sale outside the state	175.12	135.14	116.77	127.20	32.45	72.31	71.67	28.37	29.29	71.72	88.90	97.95	1046.89
Net energy available for sale in the State	1230.69	1192.98	1120.63	1129.85	1184.94	1140.49	1196.13	1179.33	1227.54	1248.01	1173.19	1404.19	14427.96

Table 9

TABLE 9
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 9 continued

Table 9

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
Thermal													
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
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
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
Central Generating Stations													
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
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
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
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
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
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
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
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
IPPs													
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
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
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
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
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
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
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
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
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
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
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 10
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 10 continued

Table10.....

	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 11.....

TABLE 11
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 11 continued

Table 11.....

	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 12
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 12 continued

Table12.....

	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 13
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	Chembukadav	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	Poozhithodu			0.60	2.53	3.03	2.27	0.48	0.33	0.09	0.04	0.00	0.00	9.36
24	Ranni-Perinadu											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 13 continued

Table13.....

	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	Ramakalmedu 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	Ullumkal	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 14
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	Chembukadav	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	Poozhithodu	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-Perinadu	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
	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

TABLE14

	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
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	Ramakalmedu 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	Ullumkal	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
H	Power purchase through traders (KSEB bus)	59.00	99.06	190.11	359.32	310.08	217.67	269.66	358.46	216.26	309.27	368.09	318.55	3075.55
I	SWAP Return	2.46	2.84	2.12	0.24							0.35	5.22	13.22
J	Total power purchase (E+F+G+H+I)	1096.03	1121.67	1134.14	1250.57	1195.82	1102.59	1301.32	1339.75	1311.04	1424.32	1296.78	1334.79	14908.82
K	External PGCIL loss	26.83	27.47	27.79	30.64	29.28	27.00	31.85	32.78	32.08	34.85	31.73	32.66	364.96
L	Net power purchase at KSEB bus (J-K)	1069.20	1094.20	1106.36	1219.93	1166.54	1075.59	1269.47	1306.97	1278.95	1389.47	1265.04	1302.13	14543.86
M	Net Generation & Purchase (D+L)	1669.32	1784.89	1629.07	1668.66	1631.32	1612.55	1649.09	1600.26	1661.70	1659.62	1506.53	1805.11	19878.13
N	Energy injected by private developers at Generator end for sale outside state through open access through OA													0.00
O	Energy purchased by consumers through open access at Kerala periphery													0.05
P	Energy sale outside the State by KSEBL													0.97
Q	Energy injected by private developers at Kerala periphery for sale outside state through open access through OA													0.00
R	Net energy available for sale (M +N+O-P-Q)	1669.32	1784.89	1629.07	1668.66	1631.32	1612.55	1649.09	1600.26	1661.70	1659.62	1506.53	1805.11	19877.21
S	Energy purchased by consumers through open access at consumer end													0.05
T	Energy sale inside the state by KSEBL													16838.24
U	Energy sale with in the state including open access consumers (S+T)													16838.29
V	Loss in KSEBL system (R-U)													3038.92

TABLE 15
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	Poozhithodu	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-Perinadu	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
	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

TABLE 15.....

	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
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	Ramakalmedu 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	Ullumkal	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
7	Iruttukkanam I	0.25	0.12	2.22	2.63	2.61	2.53	2.12	1.11	0.05	0.08	0.18	0.06	13.96
8	Iruttukkanam II	0.00	0.13	1.07	1.39	1.37	1.35	1.19	0.94	0.97	0.42	0.11	0.18	9.10
9	MP Steel	0.00	2.13	2.13	1.93	2.52	2.87	2.56	0.85	3.14	3.01	2.48	2.58	26.18
10	Philips Carbon	2.24	1.18	0.85	1.78	2.26	2.31	2.35	1.87	2.96	1.50	1.68	2.20	23.17
11	Karikkayam	-	-	-	-	0.08	3.98	3.66	2.88	2.18	1.31	1.05	2.04	17.18
	Sub Total IPPs	263.57	119.24	22.30	22.49	21.00	22.90	17.48	8.47	60.58	296.78	292.35	314.59	1461.76
H	Power purchase through traders (KSEB bus)	284.23	546.77	239.25	137.56	66.30	99.50	170.86	195.91	279.57	240.12	314.57	346.06	2920.69
I	Total power purchase (E+F+G+H)	1330.49	1413.85	1012.32	914.47	713.07	809.53	942.10	1027.71	1231.09	1520.88	1497.58	1657.33	14070.42
J	External PGCIL loss	32.82	18.70	14.24	24.18	10.71	31.53	23.52	19.00	19.15	23.56	46.16	30.12	293.69
K	Net power purchase at KSEB bus (I-J)	1297.67	1395.15	998.08	890.29	702.36	778.00	918.58	1008.71	1211.94	1497.32	1451.42	1627.21	13776.73
L	Net Generation & Purchase (D+K)	1754.35	1758.22	1467.33	1606.09	1747.05	1817.58	1922.43	1714.47	1785.94	2095.58	1975.19	2295.52	21939.76
M	Energy injected by private developers at Generator end for sale outside state through open access through OA													0.00
N	Energy purchased by consumers through open access at Kerala periphery													17.33
O	Energy sale outside the State by KSEBL													1414.60
P	Energy injected by private developers at Kerala periphery for sale outside state through open access													0.00
Q	Net energy available for sale (L +M+N-O-P)													20542.49
R	Energy purchased by consumers through open access at consumer end													16.81
S	Energy sale inside the state by KSEBL													17454.05
T	Energy sale with in the state including open access consumers (R+S)													17470.86
U	Loss in KSEBL system (Q-T)													3071.63

TABLE 16
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	Poozhithodu	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-Perinadu	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
	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

Table 16 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
	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	899.08488	889.96893	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
12	Meenvallo	0.00	0.00	0.00	0.00	0.16	0.82	0.29	0.50	0.25	0.15	0.11	0.08	2.37
	Sub Total IPPs	321.90	108.16	131.08	129.01	74.33	21.07	103.16	143.65	64.90	4.81	3.55	5.29	1110.91
H	Power purchase through traders (KSEB bus)													
	Power purchase through exchange	0.00	0.00	11.21	21.03	87.86	112.79	67.42	108.56	158.10	100.31	54.67	7.87	729.80
	Power purchase from MT & ST at traders end	280.60	260.09	200.88	5.78	5.98	54.55	4.21	29.20	95.14	227.93	212.83	249.74	1626.92
I	Total power purchase (E+F+G+H)	1541.43	1308.31	1231.63	1067.65	1023.47	1040.94	1034.96	1218.01	1407.27	1462.07	1317.10	1378.86	15031.71
J	External PGCIL loss													393.00
K	Net power purchase at KSEB bus (I-J)													14638.71
J	Net Generation & Purchase (D+K)	2231.91	1987.03	1744.44	1738.92	1721.12	1752.69	1805.74	1783.43	1848.64	1866.02	1780.17	2058.51	21925.61
K	Energy injected by private developers at Generator end for sale outside state through open access													26.41
L	Energy purchased by consumers through open access at Kerala periphery													4.66
M	Energy sale outside the State by KSEBL													358.09
N	Energy injected by private developers at Kerala periphery for sale outside state through open access													25.43
O	Net energy available for sale (J +K+L-M-N)													21573.16
P	Energy purchased by consumers through open access at consumer end													4.46
Q	Energy sale inside the state by KSEBL													18426.27
R	Energy sale with in the state including open access consumers (P+Q)													18430.73
S	Loss in KSEBL system (O-R)													3142.43

Table 17.....

TABLE 17
STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2015-16

Sl. No	Stations	(in Million Units)												TOTAL
		04/15	05/15	06/15	07/15	08/15	09/15	10/15	11/15	12/15	01/16	02/16	03/16	
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	Chembukadav	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-Perinadu	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 17 continued

Table 17.....

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	5.11
	Net Thermal Generation	22.73	16.71	14.88	9.51	9.34	32.23	10.60	5.37	2.44	2.52	-0.03	19.24	145.53
	Total Internal Generation	636.63	767.04	529.48	711.97	678.21	613.05	539.31	407.34	400.18	406.36	454.91	608.91	6753.39
	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
	Meenvallo	0.09	0.23	0.50	1.12	0.87	0.73	0.80	0.58	0.29	0.15	0.11	0.08	5.56
	INDSIL	0.00	0.00	4.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.25
	Kallar	0.05	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.03	0.02	0.02	0.02	0.22
	Pambumkayam (Mankulam)	0.01	0.01	0.0049	0.01	0.01	0.01	0.0047	0.0032	0.0006	0.0031	0.00	0.00	0.06
	Sub Total IPPs	5.19	13.65	21.66	23.06	45.96	116.01	26.29	6.58	7.79	4.50	3.91	3.67	278.28

Table 17 continued

Table 17.....

I	Power purchase through traders (KSEB bus)													
	Power purchase through exchanges	0.94	0.94	108.05	56.86	108.73	87.12	139.02	114.91	32.75	4.11	10.90	50.87	715.21
	Power purchase through MTOA & STOA	199.06	138.97	103.92	111.96	105.30	128.44	148.57	243.72	358.63	396.86	364.08	478.52	2778.03
	Power purchase through LTOA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.60	82.33	79.05	98.82	308.80
	Swap Return	0.35	0.00	0.14	0.10	1.18	2.00	1.44	5.89	38.85	9.46	11.30	4.68	75.40
	Sub Total Power Purchase excluding PGCIL losses	200.36	139.91	212.11	168.92	215.21	217.56	289.03	364.53	478.83	492.77	465.34	632.89	3877.45
J	Total power purchase (F+G+H+I)	1236.17	1163.05	1205.09	1111.30	1193.84	1233.40	1356.02	1377.23	1471.73	1491.47	1439.71	1618.75	15897.76
K	Net Generation & Purchase (E+J)	1871.37	1928.82	1733.48	1822.17	1870.96	1845.34	1894.19	1783.44	1870.75	1896.64	1893.50	2226.35	22637.01
L	Energy injected by private developers at Generator end for sale outside state through open access													40.44
M	Energy purchased by consumers through open access at Kerala periphery													142.00
N	Energy sale outside the State by KSEBL													53.48
O	Energy injected by private developers at Kerala periphery for sale outside state through open access													38.63
P	Net energy available for sale (K+L+M-N-O)													22727.34
Q	Energy purchased by consumers through open access at consumer end													135.25
R	Energy sale inside the state by KSEBL													19325.07
S	Energy sale with in the state including open access transactions (Q+R)													19460.32
S	Loss in KSEBL system (P-S)													3267.02

TABLE-18
ANNUAL GENERATION FROM RENEWABLE SOURCES

Sl. No.	Stations	Installed capacity (MW)	Annual Generation (MU)							
			2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
I	Small Hydro (KSEB)									
1	Kallada	15	46.34	60.42	72.25	65.63	25.54	67.55	68.99	44.81
2	Peppara	3	5.52	6.05	9.75	8.20	3.69	7.63	5.13	4.71
3	Malankara	10.5	33.49	32.46	36.90	31.94	26.69	30.38	34.15	32.43
4	Madupetty	2	5.74	1.91	2.28	1.22	2.49	5.75	3.57	4.29
5	Chembukadavu	6.45	10.03	8.46	13.54	11.99	9.52	12.42	10.95	9.04
6	Urumi	6.15	11.79	11.58	15.94	13.27	10.79	13.67	12.98	9.30
7	Malampuzha	2.5	0	0	0	2.77	1.94	4.96	5.19	2.03
8	Lower Meenmutty	3.5	4.11	3.43	7.20	4.86	8.01	5.62	4.74	5.56
9	Kuttiyadi Tailrace	3.75	5.76	4.62	4.35	8.57	8.00	7.96	7.92	8.05
10	Poringalkuthu LBE	16	109.62	108.82	120.69	102.15	99.86	114.03	107.45	106.43
11	Neriamangalam Extention	25	47.41	92.60	95.48	63.03	94.52	143.66	120.20	133.33
12	Poozhithode	4.8	--	--	--	9.36	10.67	12.10	11.33	8.62
13	Ranni Perinadu	4	--	--	--	0.21	6.15	9.52	7.35	7.66
14	Peechi	1.25	--	--	--	--	0.26	3.29	1.92	1.43
15	Vilangad	7.5	--	--	--	--	--	--	0.45	12.75
16	Chimmony	2.5	--	--	--	--	--	--	--	4.59
17	Adyanpara	3.5	--	--	--	--	--	--	--	2.36
18	Barapole	15	--	--	--	--	--	--	--	0.0008
II	Small Hydro (CPP)									
1	Maniyar	12	25.30	33.79	41.24	36.91	21.49	39.72	33.93	30.3
2	Kuthungal	21	38.42	34.25	47.05	44.16	22.95	42.48	45.26	49.31
III	Small Hydro (IPP)									
1	Ullunkal	7	3.12	19.83	24.29	23.16	14.37	23.62	20.80	18.26
2	Iruttukkanam	4.5	--	--	8.87	17.62	18.56	23.06	23.18	24.83
3	Karikkayam	10.5	--	--	--	--	--	17.18	27.17	26.99
4	Pambumkayam	0.11	--	--	--	--	0.13	0.25	0.14	0.06
5	Meenvallom	3	--	--	--	--	--	--	2.37	5.56
IV	Wind (KSEB)									
1	Kanjikode	2.025	1.68	1.84	1.51	2.03	1.76	1.80	1.06	1.38
V	Wind (IPP)									
1	Ramakkalmedu	14.25	21.72	32.54	29.39	31.27	30.91	33.21	26.73	23.65
2	Agali	18.6	10.28	35.07	33.48	35.71	38.06	40.86	40.41	23.79
3	Ahalia Alternate Energy Ltd	--	--	--	--	--	--	--	--	0.00
VI	Solar (KSEB)									
1	Kanjikode	1	-	-	-	-	-	-	-	0.81
2	Chaliyoor Colony, Agali	0.096	-	-	-	-	-	-	-	0.05
3	Poringalkuthu Powerhouse	0.05	-	-	-	-	-	-	-	0.04
4	Banasurasagar, Wayanad	0.01	-	-	-	-	-	-	-	*
VI	Solar (IPP)									
	Cochin International Airport Ltd	13								11.42
	Total	226.541	380.3401	487.6577	564.2111	514.0702	456.3728	660.7385	623.3607	602.4071

* 10KW floating solar project at Banasurasagar is an innovative project

TABLE 19
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)	Energy injected at Kerala periphery by open access consumers 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)	(8)	(9)=(4+5+6-7-8)	(10)	(11)	(12)=(10+11)	(13)=(9-12)	(13/9)*100	**
1	1996-97	5474.84	3298.38		8773.22			1.97		8771.25		7020.77	7020.77	1750.48	19.96	
2	1997-98	5158.48	4236.92		9395.40			0.73		9394.67		7715.50	7715.50	1679.17	17.87	
3	1998-99	7569.05	3595.56		11164.61			0.00		11164.61		9183.00	9183.00	1981.61	17.75	
4	1999-00	7605.94	4275.04		11880.98			0.00		11880.98		9813.00	9813.00	2067.98	17.41	
5	2000-01	6921.00	5543.00		12464.00			0.00		12464.00		10319.00	10319.00	2145.00	17.21	
6	2001-02	7085.73	5699.54	255.06	12530.21			11.90		12518.31		8667.31	8667.31	3851.00	30.76	
7	2002-03	5420.34	7330.80	238.81	12512.33			121.20		12391.13		8752.10	8752.10	3639.03	29.37	
8	2003-04	4439.96	8015.41	174.50	12280.87			0.00		12280.87		8910.84	8910.84	3370.03	27.44	30.34
9	2004-05	6328.98	6390.79	214.93	12504.84			0.00		12504.84		9384.40	9384.40	3120.44	24.95	27.67
10	2005-06	7554.08	6700.50	287.64	13966.94			635.91		13331.03		10269.80	10269.80	3061.23	22.96	23.90
11	2006-07	7695.11	8149.84	370.10	15474.85			1046.89		14427.96		11331.00	11331.00	3096.96	21.46	22.29
12	2007-08	8647.69	8074.62	310.40	16411.91			1346.76		15065.15		12049.85	12049.85	3015.30	20.02	21.68
13	2008-09	6440.44	9628.87	312.57	15756.74			463.33		15293.41		12414.32	12414.32	2879.09	18.83	21.09
14	2009-10	7189.51	10204.21	357.53	17036.19			53.90		16982.29		13971.09	13971.09	3011.20	17.73	19.62
15	2010-11	7359.97	10512.27	401.73	17470.51			130.24		17340.27		14547.90	14547.90	2792.37	16.10	17.63
16	2011-12	8289.91	11263.21	413.21	19139.90			201.10		18938.80		15980.53	15980.53	2958.27	15.62	17.28
17	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
18	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
19	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
20	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

** AT & C loss =((9) - ((12) x collection efficiency)) / (9) x 100

TABLE 20
SALES, REVENUE AND PERCAPITA CONSUMPTION

Sl. No.	Year	Total energy sales (MU)	Energy sales within the State (MU)	Revenue from sale of electricity (Rs. Crore)	Percapita consumption (kWh)
1	1990-91	5332.00	5327.27	280.47	185
2	1991-92	5598.18	5596.00	330.37	192
3	1992-93	5838.50	5651.73	431.77	198
4	1993-94	6234.16	6218.21	530.88	208
5	1994-95	7027.69	7027.69	633.15	231
6	1995-96	7418.71	7414.62	711.16	240
7	1996-97	7022.74	7020.77	691.88	224
8	1997-98	7716.23	7715.50	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	8679.21	8667.31	1946.00	271
13	2002-03	8873.30	8752.10	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	10905.70	10269.80	3367.30	314
17	2006-07	12377.89	11331.00	4009.71	345
18	2007-08	13396.61	12049.85	4696.95	366
19	2008-09	12877.65	12414.32	4893.02	375
20	2009-10	14024.99	13971.09	4747.17	420
21	2010-11	14678.14	14547.90	5198.52	436
22	2011-12	16181.63	15980.53	5593.02	478
23	2012-13	16839.21	16838.24	7223.39	501
24	2013-14	18868.65	17454.05	9974.18	516
25	2014-15	18809.78	18426.27	10116.26	544
26	2015-16	19460.32	19325.07	10914.44	565

**TABLE 21
ALLOCATION FROM CENTRAL GENERATING STATIONS TO KERALA**

Name of ISGS	NTPC								NLC								NTECL		NTPL		NPCL								Total Allocation from SR	Allocation from Northern Region	Grand Total Allocation	
	Ramagundam Stage I&II		Ramagundam Stage III		Talcher Stage II		Simhadri Stage II		NLC TPS-II Stage I		NLC TPS-II Stage II		NLC TPS-I Expn.		NLC TPS-II Expn.		Vallur		Tutucorin		MAPS		Kaiga 1&2		Kaiga 3&4		Koodankulam					
Installed Capacity (MW)	2100		500		2000		1000		630		840		420		500		1500		1000		440		440		440		1000					
Firm allocation (% and MW)	11.67%	245	12.20%	61	12.35%	247	8.09%	81	10%	63	10.71%	90	14%	59	14%	70	3.33%	50	7.25%	72.5	5.23%	23	8.64%	38	7.95%	35	13.30%	133	1074.74			
Total allocation (firm + unallocated)																																
Period	Time Slot	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)			(%)	(MW)			(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(MW)	(MW)	(MW)
w.e.f. 26.02.15	18.00-22.00	11.77	247.17	12.30	61.50	21.37	427.40	9.08	90.80	10.08	63.50	10.80	90.72	16.38	68.80			3.39	50.85			5.26	23.14	8.77	38.59	8.08	35.55	13.3	133	1331.02	166.83	1497.85
	02.00- 06.00	11.75	246.75	12.28	61.40	21.37	427.40	9.08	90.80	10.06	63.38	10.78	90.55	16.38	68.80			3.38	50.70			5.25	23.10	8.74	38.46	8.05	35.42	13.3	133	1329.75	166.83	1496.58
	Rest of the day	11.72	246.12	12.26	61.30	21.36	427.20	9.08	90.80	10.04	63.25	10.76	90.38	16.38	68.80			3.36	50.40			5.25	23.10	8.71	38.32	8.02	35.29	13.3	133	1327.96	166.83	1494.79
w.e.f. 22.04.15	18.00-22.00	11.77	247.17	12.30	61.50	21.37	427.40	9.08	90.80	10.08	63.50	10.80	90.72	16.38	68.80	16.47	41.18	3.39	50.85			5.26	23.14	8.77	38.59	8.08	35.55	13.3	133	1372.20	166.83	1539.03
	02.00- 06.00	11.75	246.75	12.28	61.40	21.37	427.40	9.08	90.80	10.06	63.38	10.78	90.55	16.38	68.80	16.47	41.18	3.38	50.70			5.25	23.10	8.74	38.46	8.05	35.42	13.3	133	1370.93	166.83	1537.76
	Rest of the day	11.72	246.12	12.26	61.30	21.36	427.20	9.08	90.80	10.04	63.25	10.76	90.38	16.38	68.80	16.47	41.18	3.36	50.40			5.25	23.10	8.71	38.32	8.02	35.29	13.3	133	1369.14	166.83	1535.97
w.e.f. 18.06.15	18.00-22.00	11.77	247.17	12.30	61.50	21.37	427.40	9.08	90.80	10.08	63.50	10.80	90.72	16.38	68.80	16.47	41.18	3.39	50.85	8.22	41.10	5.26	23.14	8.77	38.59	8.08	35.55	13.3	133	1413.30	166.83	1580.13
	02.00- 06.00	11.75	246.75	12.28	61.40	21.37	427.40	9.08	90.80	10.06	63.38	10.78	90.55	16.38	68.80	16.47	41.18	3.38	50.70	8.22	41.10	5.25	23.10	8.74	38.46	8.05	35.42	13.3	133	1412.03	166.83	1578.86
	Rest of the day	11.72	246.12	12.26	61.30	21.36	427.20	9.08	90.80	10.04	63.25	10.76	90.38	16.38	68.80	16.47	41.18	3.36	50.40	8.22	41.10	5.25	23.10	8.71	38.32	8.02	35.29	13.3	133	1410.24	166.83	1577.07
w.e.f. 05.07.15	18.00-22.00	11.77	247.17	12.30	61.50	21.37	427.40	9.08	90.80	10.08	63.50	10.80	90.72	16.38	68.80	16.47	41.18	3.39	50.85	8.22	41.10	5.26	23.14	8.77	38.59	8.08	35.55	13.3	133	1413.30	166.83	1580.13
	02.00- 06.00	11.75	246.75	12.28	61.40	21.37	427.40	9.08	90.80	10.06	63.38	10.78	90.55	16.38	68.80	16.47	41.18	3.38	50.70	8.22	41.10	5.25	23.10	8.74	38.46	8.05	35.42	13.3	133	1412.03	166.83	1578.86
	Rest of the day	11.72	246.12	12.26	61.30	21.36	427.20	9.08	90.80	10.04	63.25	10.76	90.38	16.38	68.80	16.47	41.18	3.36	50.40	8.22	41.10	5.25	23.10	8.71	38.32	8.02	35.29	13.3	133	1410.24	166.83	1577.07
w.e.f. 29.08.15	18.00-22.00	11.77	247.17	12.30	61.50	21.37	427.40	9.08	90.80	10.08	63.50	10.80	90.72	16.38	68.80	16.47	82.35	3.39	50.85	8.22	82.20	5.26	23.14	8.77	38.59	8.08	35.55	13.3	133	1495.57	166.83	1662.40
	02.00- 06.00	11.75	246.75	12.28	61.40	21.37	427.40	9.08	90.80	10.06	63.38	10.78	90.55	16.38	68.80	16.47	82.35	3.38	50.70	8.22	82.20	5.25	23.10	8.74	38.46	8.05	35.42	13.3	133	1494.30	166.83	1661.13
	Rest of the day	11.72	246.12	12.26	61.30	21.36	427.20	9.08	90.80	10.04	63.25	10.76	90.38	16.38	68.80	16.47	82.35	3.36	50.40	8.22	82.20	5.25	23.10	8.71	38.32	8.02	35.29	13.3	133	1492.51	166.83	1659.34
w.e.f. 01.10.15	18.00-22.00	11.77	247.17	12.30	61.50	21.37	427.40	9.08	90.80	10.08	63.50	10.80	90.72	16.38	68.80	16.47	82.35	3.39	50.85	8.22	82.20	5.26	23.14	8.77	38.59	8.08	35.55	13.3	133	1495.57	319	1814.57
	02.00- 06.00	11.75	246.75	12.28	61.40	21.37	427.40	9.08	90.80	10.06	63.38	10.78	90.55	16.38	68.80	16.47	82.35	3.38	50.70	8.22	82.20	5.25	23.10	8.74	38.46	8.05	35.42	13.3	133	1494.30	319	1813.30
	Rest of the day	11.72	246.12	12.26	61.30	21.36	427.20	9.08	90.80	10.04	63.25	10.76	90.38	16.38	68.80	16.47	82.35	3.36	50.40	8.22	82.20	5.25	23.10	8.71	38.32	8.02	35.29	13.3	133	1492.51	319	1811.51
w.e.f. 06.11.15	18.00-22.00	11.67	245.07	12.20	61.00	21.35	427.00	8.98	89.80	10.0	63.00	10.71	89.96	16.14	67.79	16.14	80.70	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.95	34.98	13.3	133	1475.78	319	1794.78
	02.00- 06.00	11.67	245.07	12.20	61.00	21.35	427.00	8.93	89.30	10.0	63.00	10.71	89.96	16.02	67.28	16.14	80.70	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.95	34.98	13.3	133	1474.78	319	1793.78
	Rest of the day	11.67	245.07	12.20	61.00	21.35	427.00	8.89	88.90	10.0	63.00	10.71	89.96	15.91	66.82	15.91	79.55	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.95	34.98	13.3	133	1472.76	319	1791.76
w.e.f. 02.03.16	18.00-22.00	11.67	245.07	12.20	61.00	21.35	427.00	8.98	89.80	10.0	63.00	10.71	89.96	16.14	67.79	16.14	80.70	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.95	34.98	13.3	133	1475.78	0	1475.78
	02.00- 06.00	11.67	245.07	12.20	61.00	21.35	427.00	8.93	89.30	10.0	63.00	10.71	89.96	16.02	67.28	16.14	80.70	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.95	34.98	13.3	133	1474.78	0	1474.78
	Rest of the day	11.67	245.07	12.20	61.00	21.35	427.00	8.89	88.90	10.0	63.00	10.71	89.96	15.91	66.82	15.91	79.55	3.33	49.95	7.25	72.50	5.23	23.01	8.64	38.02	7.95	34.98	13.3	133	1472.76	0	1472.76

TABLE 22
TRANSMISSION & DISTRIBUTION LINES

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	2801.89	4345.52	2220.56	1826.66	160.59	57,489	2,85,970

TABLE 23
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	71,198
28	2015-16	5,00,082	14,07,024	73,460

TABLE 24
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	20980.82

TABLE 25
CONSUMERS AND CONNECTED LOAD - CATEGORY WISE

(Connected load in MW)

Sl.No	Category	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
1	Domestic												
	No. of Consumers	61,43,228	65,45,692	68,80,500	71,37,739	74,81,601	77,90,132	80,92,072	83,24,961	85,73,938	87,88,916	89,87,947	91,24,747
	Connected Load	6,251.50	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
2	Commercial LT												
	No. of Consumers	11,24,928	12,02,674	12,71,150	13,29,206	13,25,109	13,88,981	14,57,682	15,39,025	16,33,952	17,82,286	18,30,937	19,23,402
	Connected Load	1,368.72	1,335.52	1,443.67	1,902.79	2,341.44	2,413.56	2,778.91	2,635.81	2,790.58	2,905.34	3,176.57	3309.08
3	Industrial LT												
	No. of Consumers	1,15,056	1,19,021	1,22,308	1,22,449	1,19,871	1,22,325	1,27,354	1,32,051	1,31,583	1,37,744	1,42,001	1,36,693
	Connected Load	1,208.16	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
4	HT & EHT												
	No. of Consumers	1,077	1,782	1,897	1,014	2,387	1,166	1,269	3,341	3,631	4,256	3,475	5,005
	Connected Load	631.00	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
5	Public lighting												
	No. of Consumers	2,325	2,325	2,325	2,325	2,729	2,927	3,038	3,160	3,505	3,789	4,072	4,281
	Connected Load	84.98	84.98	88.81	118.54	82.66	93.80	91.09	93.12	105.70	110.99	118.55	124.13
6	Agricultural												
	No. of Consumers	4,12,649	4,23,571	4,35,673	4,41,005	4,31,745	4,37,925	4,46,510	4,55,078	4,60,263	4,63,006	4,61,333	4,73,882
	Connected Load	733.15	738.58	740.49	886.18	887.90	899.38	924.49	926.68	956.77	952.77	949.82	950.19
7	Licensees												
	No. of Consumers	9	11	11	11	11	12	13	13	10	11	11	12
	Connected Load	31.00	53.58	54.58	57.96	60.88	83.31	83.71	83.67	83.42	79.13	106.75	88.99
8	Railway Traction												
	No. of Consumers	4	5	6	7	8	8	8	8	8	8	8	9
	Connected Load	25.00	28.42	38.22	43.12	56.35	64.19	65.27	65.27	65.27	66.25	66.25	65.79
9	General												
	No. of Consumers										12,874	1,111	
	Connected Load										204.23	217.13	
	Total												
	No. of Consumers	77,99,276	82,95,081	87,13,870	90,33,756	93,63,461	97,43,476	1,01,27,946	1,04,57,637	1,08,06,890	1,11,92,890	1,14,30,895	1,16,68,031
	Connected Load	10,333.51	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

TABLE 26
SALES AND REVENUE - CATEGORY WISE

(Sales in MU, Revenue in Rs. Crore)

Sl.No	Category	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
1	Domestic												
	A. Sales	4262.3	4668.36	5213.15	5602.85	5931.27	6559	6877.83	7705.86	8313.36	8739.52	9367.26	9943.5
	B. Revenue	751.61	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
2	Commercial												
	A. Sales	947.6	1092.66	1245.8	1378.33	1501.6	1793	1951.74	2141.22	2224.06	2229.33	2418.28	2735.36
	B. Revenue	633.66	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
3	Industrial LT												
	A. Sales	782.9	873.9	933.93	984.18	1015.4	1064	1053.45	1097.04	1101.96	1096.57	1096.93	1103.23
	B. Revenue	324.72	362.41	387.33	408.19	466.89	453.70	460.54	461.39	587.11	682.52	704.89	746.63
4	HT & EHT												
	A. Sales	2763	2883.5	3081.63	3139.5	2986.97	3417.09	3563.14	3829.39	3905.15	4035.48	4139.71	4106
	B. Revenue	1,081.54	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
5	Public Lighting												
	A. Sales	182.7	207.78	228.74	248.56	294.32	303	265.68	294.26	313.2	319.06	346.43	366.62
	B. Revenue	33.39	38.07	42.81	47.26	58.96	58.07	56.28	63.86	94.32	118.99	137.81	156.36
6	Agricultural												
	A. Sales	190.8	189.57	220.24	230.55	225.22	257	231.56	286.18	306.08	310.25	298.28	279.48
	B. Revenue	18.83	18.88	22.54	24.31	30.48	28.24	26.65	30.77	47.28	56.57	60.44	65.62
7	Licencees												
	A. Sales	211.5	296.09	335.35	356.62	317.47	413	448.11	472.09	500.76	523.15	554.06	578.08
	B. Revenue	57.61	80.90	92.67	102.23	144.68	143.33	163.46	183.27	255.31	293.64	313.29	347.04
8	Railway Traction												
	A. Sales	43.6	57.94	72.16	109.26	142.07	165	156.39	154.49	173.67	200.69	205.31	212.83
	B. Revenue	16.02	19.72	24.15	39.23	67.60	65.65	64.46	61.68	82.5	107.77	113.1	120.86
9	Export												
	A. Sales	0	635.9	1046.89	1346.76	463.33	53.9	130.24	201.1	0.97	1414.60	358.09	53.48
	B. Revenue	0.00	196.51	533.36	932.12	438.79	67.51	140.03	66.63	0.93	1336.98	619.56	41.7
	Total												
	A. Sales	9384.40	10905.70	12377.89	13396.61	12877.65	14024.99	14678.14	16181.63	16839.21	18868.65	18784.35	19378.58
	B. Revenue	2,917.36	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

TABLE 27
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	1996-97	218.2	148.48	238.00	130.00	125.00	108.88	157.29	54.14	738.49	441.50	218.62	89.10	137.49	34.39	479.60
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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
19	2014-15	332.00	338.85	241.00	225.00	700.00	550.00	27.00	15.35	1,300.00	1,129.20	258.26	102.15	486.05	6.35	852.81
20	2015-16*	385.65	383.30	240.00	185.00	710.00	615.00	17.35	21.70	1,353.00	1,205.00	210.3	232.23	594.13	7.21	1,043.87

* Provisional figures

TABLE 28
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* 498.58**	334.73	324.13
8	2007-08	172.1	668.2	414.75	401.24	190.15	105.45		286.65	397.67* 966.36**	359.04	350.81
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* 715.96**	397.87	338.03
11	2010-11	198.32	722.86	437.17	424.58	211.82	115.11		364.77	1207.34* 1071.85**	412.16	354.24
12	2011-12	201.54	745.97	421.87	418.02	217.01	110.3		388.2	1144* 1075.78**	399.25	347.39
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	28.72	550.87	246.99
16	2015-16	376.54	895.13	676.77	686.04	426.49	234.79		600.33	779.73	567.87	541.20

* interstate sale to TNEB

** Sale through traders/ power exchanges

TABLE 29
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	2000-01	a. Sales/Consumer	952	813	5,829	18,29,638	906	1,26,070	1,29,471	2,30,00,000	1,30,00,000
		b. Revenue/Consumer	773	3,586	15,489	40,58,011	609	2,48,059	1,56,600	3,49,43,375	2,58,02,224
2	2001-02	a. Sales/Consumer	709	848	5,674	16,36,878	477	1,61,492	64,766	2,50,14,285	1,55,70,000
		b. Revenue/Consumer	776	4,972	20,561	42,81,384	440	3,33,232	99,088	4,59,77,143	3,09,31,333
3	2002-03	a. Sales/Consumer	727	889	6,511	17,42,136	452		66,933	2,60,92,857	1,54,66,667
		b. Revenue/Consumer	1,063	5,542	25,914	60,03,184	437		1,09,396	5,35,60,000	4,86,50,667
4	2003-04	a. Sales/Consumer	696	847	6,965	26,46,558	506		71,260	2,09,30,000	1,15,30,000
		b. Revenue/Consumer	1,223	4,51,871	28,352	1,03,42,697	493		1,21,142	6,44,05,000	4,19,95,000
5	2004-05	a. Sales/Consumer	694	842	6,805	16,18,126	462		78,581	2,35,00,000	1,09,00,000
		b. Revenue/Consumer	1,223	5,633	28,222	63,33,886	456		1,43,600	6,40,08,444	4,00,60,750
6	2005-06	a. Sales/Consumer	713	909	7,342	16,18,126	448		89,368	2,69,17,273	2,69,17,273
		b. Revenue/Consumer	1,219	6,024	30,449	63,33,886	446		1,63,756	7,35,46,727	7,35,46,727
7	2006-07	a. Sales/Consumer	758	980	7,632	16,24,143	506		1,02,804	3,04,86,364	1,20,26,667
		b. Revenue/Consumer	1,263	6,475	31,668	64,02,706	517		1,92,409	8,42,49,066	4,02,57,272
8	2007-08	a. Sales/Consumer	785	1,037	8,037	30,96,154	523		1,06,908	3,24,20,000	1,56,08,571
		b. Revenue/Consumer	1,349	6,929	33,335	1,24,23,007	551		2,03,285	9,29,31,909	5,60,41,757
9	2008-09	a. Sales/Consumer	793	1,133	8,471	12,51,349	522		1,07,849	2,88,60,909	1,77,58,750
		b. Revenue/Consumer	1,518	8,427	38,949	60,03,584	706		2,16,036	13,15,24,188	8,45,03,653
10	2009-10	a. Sales/Consumer	842	2,010	8,698	11,98,979	587		1,03,519	3,44,16,667	2,06,25,000
		b. Revenue/Consumer	1,611	9,078	37,090	49,69,464	645		1,98,384	11,94,43,056	8,20,61,187
11	2010-11	a. Sales/Consumer	850	1,339	8,272	21,25,398	537		87,452	3,44,70,000	1,95,48,750
		b. Revenue/Consumer	1,685	9,679	36,162	1,19,21,432	597		1,85,244	12,57,36,615	8,05,71,875
12	2011-12	a. Sales/Consumer	926	1,391	8,308	11,46,181	629		93,120	3,63,14,615	1,93,11,250
		b. Revenue/Consumer	1,840	10,350	34,940	47,91,231	676		2,02,084	14,09,74,538	7,71,01,125
13	2012-13	a. Sales/Consumer	970	1,361	8,375	10,75,503	665		89,358	5,00,76,000	2,17,08,750
		b. Revenue/Consumer	2,512	11,355	44,619	59,11,319	1,027		2,69,101	25,53,10,000	10,31,25,000
14	2013-14	a. Sales/Consumer	994	1,251	7,961	9,48,186	670		84,207	4,75,59,091	2,50,86,250
		b. Revenue/Consumer	3,071	11,795	49,550	60,53,505	1,222		3,14,048	26,69,44,500	13,47,10,698
15	2014-15	a. Sales/Consumer	1,042	1,321	7,725	11,91,283	647		85,076	5,03,69,091	2,56,63,750
		b. Revenue/Consumer	3,534	11,865	49,640	74,28,230	1,310		3,38,433	28,48,09,091	14,13,75,000
16	2015-16	a. Sales/Consumer	1,090	1,422	8,071	8,20,380	590		85,639	4,81,73,333	2,36,47,778
		b. Revenue/Consumer	4,103	14,221	54,621	56,28,172	1,385		3,65,242	28,92,00,000	13,42,88,889

* included in Industrial LT from 2002-03

**TABLE 30
DEMAND AND CONSUMPTION**

Day	April-15						May-15						June-15						July-15					
	Max. D (MW)	Mor. Peak (MW)	Min. D (MW)	Con. (MU)	LF (%)	Urs. D * (MW)	Max. D (MW)	Mor. Peak (MW)	Min. D (MW)	Con. (MU)	LF (%)	Urs. D (MW)	Max. D (MW)	Mor. Peak (MW)	Min. D (MW)	Con. (MU)	LF (%)	Urs. D (MW)	Max. D (MW)	Mor. Peak (MW)	Min. D (MW)	Con. (MU)	LF (%)	Urs. D (MW)
Day 1	3231	2675	2338	65.90	85.00	3356	3179	2380	2114	61.00	79.94	3404	3433	2564	2057	64.10	77.80	3433	3305	2482	2046	61.85	78.10	3430
Day 2	3372	2538	2175	65.35	80.75	3497	3273	2629	2227	65.25	83.06	3398	3456	2763	2211	65.38	78.83	3641	3324	2513	2070	62.10	77.84	3324
Day 3	3234	2537	2204	61.33	79.02	3359	3273	2480	2190	61.14	77.83	3398	3155	2735	2315	63.55	83.93	3280	3307	2464	2159	62.73	79.02	3507
Day 4	3439	2292	2031	63.87	77.38	3564	3100	2637	2129	62.12	83.49	3270	3334	2515	2140	62.14	77.67	3459	3304	2398	2163	62.03	78.22	3429
Day 5	3286	2571	2272	63.13	80.04	3316	3240	2540	2119	62.31	80.13	3410	3257	2681	2170	62.48	79.92	3507	3016	2276	1988	56.60	78.20	3016
Day 6	3517	2726	2373	68.70	81.38	3642	3459	2613	2195	64.36	77.52	3584	3351	2530	2078	63.95	79.51	3526	3249	2416	1949	61.09	78.35	3449
Day 7	3126	2731	2185	64.76	86.31	3226	3286	2625	2266	64.21	81.42	3411	3105	2464	2077	59.11	79.32	3155	3291	2562	2129	62.41	79.01	3416
Day 8	3386	2542	2178	62.31	76.67	3511	3033	2584	2172	63.23	86.87	3188	3212	2363	1924	59.41	77.08	3212	3284	2510	2053	61.47	78.00	3409
Day 9	3030	2703	2185	64.53	88.75	3155	3147	2481	2091	62.20	82.36	3337	3375	2545	1999	61.74	76.22	3375	3203	2475	2024	59.80	77.78	3243
Day 10	3134	2561	2129	62.97	83.71	3209	2989	2407	2070	57.06	79.54	3119	3297	2619	1966	61.89	78.21	3497	3204	2472	1865	59.80	77.77	3329
Day 11	3151	2540	2101	63.68	84.20	3201	3098	2245	1800	57.19	76.93	3223	3154	2669	2122	61.05	80.65	3154	3215	2367	1882	59.82	77.52	3340
Day 12	3001	2456	2138	58.44	81.14	3126	3033	2478	1845	58.66	80.59	3158	3241	2549	1940	59.95	77.07	3366	3074	2170	1883	55.55	75.30	3074
Day 13	3228	2379	2027	61.58	79.50	3353	3163	2180	1735	57.36	75.55	3288	3159	2415	1998	60.60	79.92	3159	3327	2416	1932	61.35	76.83	3452
Day 14	3231	2404	2091	62.06	80.04	3356	3284	2446	1976	61.08	77.51	3409	3086	2179	1820	54.36	73.40	3086	3296	2549	2096	62.86	79.46	3296
Day 15	3088	2503	2105	59.29	79.99	3213	3352	2562	2131	63.79	79.29	3477	3245	2519	1914	59.63	76.56	3245	3203	2453	2108	61.02	79.39	3203
Day 16	3214	2498	2094	62.68	81.27	3254	3142	2533	2187	61.31	81.30	3267	3243	2501	1889	58.50	75.15	3243	3321	2520	1980	60.80	76.28	3446
Day 17	3337	2523	2147	64.01	79.91	3462	2899	2314	1960	54.34	78.09	2939	3171	2474	1792	57.41	75.44	3171	2996	2387	2019	59.19	82.32	2996
Day 18	3348	2554	2146	63.74	79.32	3473	3338	2388	1886	60.03	74.93	3463	3125	2334	1770	56.23	74.98	3125	2895	2396	1691	54.38	78.27	2895
Day 19	2972	2524	2209	59.23	83.03	3097	3050	2537	2082	60.46	82.60	3050	3218	2197	1827	54.65	70.76	3218	2768	2088	1626	49.21	74.06	2768
Day 20	3286	2503	2094	63.85	80.96	3411	3465	2489	2025	63.31	76.12	3465	3277	2063	1837	57.24	72.78	3277	3018	2334	1614	55.38	76.47	3018
Day 21	2650	2566	2123	59.82	94.08	2690	3492	2627	2239	65.98	78.73	3617	2637	2147	1645	50.45	79.71	2637	3144	2479	1706	57.57	76.28	3144
Day 22	3427	2316	941	58.99	71.72	3457	3527	2663	2289	67.87	80.17	3652	2963	1780	1367	50.69	71.28	2963	3110	2524	1785	57.53	77.08	3110
Day 23	3427	2487	2270	65.81	85.20	3552	3446	2644	2315	67.21	81.28	3571	3129	2254	1910	57.92	77.13	3329	3141	2528	1716	57.69	76.53	3141
Day 24	2891	2625	2233	62.91	93.05	2891	3249	2629	2237	62.02	79.54	3424	3134	2423	2000	59.94	79.71	3334	3179	2400	1669	57.47	75.31	3179
Day 25	3278	2278	1967	60.26	76.61	3403	3496	2537	2066	64.75	79.58	3621	3132	2423	2034	59.33	78.92	3332	3090	2411	1796	58.86	79.36	3090
Day 26	2813	2423	1747	55.08	81.58	2813	3452	2662	2394	68.26	82.40	3577	2844	2273	1810	54.97	80.54	2969	2926	2231	1905	53.84	76.66	2926
Day 27	3167	2316	1886	59.98	78.82	3292	3641	2756	2409	68.80	78.74	3766	2725	2194	1675	52.81	80.74	2725	3231	2489	1758	58.37	75.28	3271
Day 28	2902	2491	2135	59.98	86.13	3452	3411	2437	2047	64.67	79.01	3611	2969	1925	1635	51.18	71.82	2969	3395	2551	1882	60.89	74.73	3425
Day 29	3235	2675	2243	64.73	83.37	3385	3401	2703	2394	66.55	81.54	3441	3082	2353	1866	57.17	77.29	3082	3337	2704	2040	62.17	77.63	3462
Day 30	3055	2487	2136	62.47	85.20	3255	3417	2575	2258	66.17	80.68	3542	3246	2405	1857	59.82	76.79	3416	3331	2656	2041	63.00	78.81	3331
Day 31	-	-	-	-	-	-	3217	2549	2105	61.49	79.64	3217	-	-	-	-	-	-	3356	2734	2043	63.43	78.75	3481

Note : Urs.D * -Unrestricted demand

**TABLE30
DEMAND AND CONSUMPTION**

Day	August-15						September-15						October-15						November-15					
	Max. D (MW)	Mor. Peak (MW)	Min. D (MW)	Con. (MU)	LF (%)	Urs. D* (MW)	Max. D (MW)	Mor. Peak (MW)	Min. D (MW)	Con. (MU)	LF (%)	Urs. D (MW)	Max. D (MW)	Mor. Peak (MW)	Min. D (MW)	Con. (MU)	LF (%)	Urs. D (MW)	Max. D (MW)	Mor. Peak (MW)	Min. D (MW)	Con. (MU)	LF (%)	Urs. D (MW)
Day 1	3286	2516	2122	62.75	79.56	3411	3499	2753	2216	66.01	78.60	3574	3283	2539	1932	60.48	76.77	3283	2771	2297	1855	53.27	80.11	2771
Day 2	3030	2381	1968	56.08	77.13	3030	3258	2457	2086	60.13	76.91	3258	3261	2319	1973	58.67	74.97	3261	3194	2348	1850	57.58	75.11	3194
Day 3	3190	2647	1907	59.90	78.25	3315	3394	2763	2097	64.86	79.63	3594	3193	2417	1913	59.88	78.13	3318	3357	2609	1992	61.35	76.15	3357
Day 4	3325	2636	1953	60.69	76.06	3450	3343	2774	2235	64.56	80.49	3393	2900	2311	1909	54.22	77.90	2900	3062	2600	2059	61.75	84.03	3062
Day 5	3236	2645	1967	60.56	77.98	3236	3238	2557	2137	64.17	82.57	3438	3201	2469	1733	58.39	76.01	3201	3182	2433	1892	57.57	75.39	3182
Day 6	3307	2580	1894	60.80	76.61	3307	3022	2234	1917	64.17	77.90	3022	3301	2537	1831	59.12	74.62	3301	3113	2520	1931	60.46	80.93	3113
Day 7	3351	2628	2021	62.25	77.41	3351	3182	2591	1892	60.32	78.99	3332	3226	2575	1907	60.48	78.12	3351	3020	2503	1995	60.69	83.74	3020
Day 8	3280	2448	1979	61.32	77.89	3280	3343	2492	1862	60.40	75.28	3468	3370	2573	1917	60.70	75.05	3370	2988	2299	1934	55.62	77.56	2988
Day 9	3021	2345	1949	55.54	76.60	3021	3359	2623	1896	61.14	75.85	3484	3152	2484	1841	59.03	78.02	3152	3403	2532	1943	60.90	74.58	3403
Day 10	3245	2550	1913	60.21	77.31	3245	3387	2612	1915	61.85	76.10	3512	3102	2430	1857	59.10	79.39	3302	3263	2424	1984	60.76	77.58	3263
Day 11	3214	2601	1911	60.32	78.21	3389	3350	2666	1984	62.58	77.83	3475	3119	2187	1881	55.64	74.32	3244	3333	2518	2005	60.48	75.61	3333
Day 12	3215	2619	1948	61.35	79.53	3390	3387	2502	2006	63.12	77.65	3512	3256	2536	1883	61.19	78.31	3381	3303	2551	1960	61.35	77.38	3303
Day 13	3317	2624	1925	61.56	77.33	3442	3173	2370	2065	58.81	77.22	3173	3103	2658	2026	61.28	82.28	3228	3271	2548	1969	60.59	77.18	3421
Day 14	3280	2449	1957	62.24	79.07	3405	3481	2591	2047	62.10	74.32	3481	3114	2566	1965	62.40	83.50	3239	3191	2481	1939	59.62	77.86	3191
Day 15	3132	2532	1975	58.75	78.17	3132	3399	2645	2020	62.61	76.74	3399	3383	2699	2077	63.45	78.15	3383	2930	2254	1835	53.60	76.22	2930
Day 16	3130	2293	1925	56.90	75.73	3130	3339	2533	2015	60.36	75.33	3339	3260	2619	2019	62.61	80.02	3410	3341	2533	1836	59.45	74.14	3341
Day 17	3261	2612	1953	62.10	79.35	3461	3312	2502	1962	60.39	75.96	3312	3353	2554	2133	63.40	78.78	3353	3272	2656	1938	60.96	77.64	3397
Day 18	3069	2751	2069	61.31	83.23	3194	3308	2554	2002	61.80	77.84	3433	3069	2439	1992	57.81	78.50	3069	3366	2682	1889	61.98	76.72	3366
Day 19	3375	2574	1964	62.34	76.96	3575	3327	2545	2013	62.37	78.11	3327	3426	2613	2035	63.22	76.90	3426	3232	2639	2016	62.00	79.92	3332
Day 20	3380	2773	2108	64.79	79.86	3505	3075	2298	1928	56.94	77.16	3075	3472	2775	2045	65.11	78.15	3472	3202	2710	2015	61.88	80.52	3277
Day 21	3374	2703	2066	64.52	79.68	3374	3400	2374	1888	61.04	74.81	3500	3367	2600	2146	64.99	80.41	3367	3169	2544	2031	61.73	81.17	3294
Day 22	3207	2550	2025	62.68	81.44	3207	3242	2575	1937	62.21	79.95	3467	3115	2480	2169	61.82	82.70	3115	3002	2466	2038	57.08	79.21	3077
Day 23	3090	2402	1966	58.12	78.38	3090	3336	2689	2102	64.36	80.39	3461	3276	2495	2127	63.11	80.26	3276	3241	2587	1977	61.09	78.52	3241
Day 24	3406	2460	1982	63.25	77.38	3406	2953	2637	2129	61.52	86.80	3053	3287	2536	2116	64.01	81.13	3287	3284	2623	2034	62.33	79.09	3284
Day 25	3426	2518	2100	65.47	79.62	3426	3277	2374	1983	61.84	78.63	3477	3133	2396	2066	58.33	77.57	3133	3421	2705	2050	62.97	76.69	3421
Day 26	3367	2599	2154	64.37	79.66	3442	3331	2524	2059	62.79	78.55	3456	3479	2657	2047	63.30	75.83	3479	3405	2755	2092	63.44	77.63	3405
Day 27	3196	2503	2064	60.89	79.39	3196	2787	2386	1903	55.82	83.47	2827	3401	2640	2106	63.42	77.71	3401	3426	2683	2086	63.21	76.87	3551
Day 28	2908	2336	1896	55.54	79.56	2908	3207	2477	1896	59.98	77.94	3307	3235	2735	2117	62.10	79.98	3235	3325	2626	2050	62.80	78.70	3325
Day 29	3079	2206	1900	57.71	78.09	3079	3039	2577	2000	60.73	83.27	3039	3416	2558	2010	61.99	75.62	3416	3184	2413	2006	57.45	75.19	3184
Day 30	3141	2277	2022	57.33	76.05	3141	3175	2501	1878	59.66	78.28	3175	3333	2660	2056	63.17	78.97	3333	3374	2629	2027	62.06	76.65	3474
Day 31	3419	2581	2042	64.29	78.35	3459	-	-	-	-	-	-	3099	2471	1976	60.63	81.51	3099	-	-	-	-	-	-

Note : Urs.D * -Unrestricted demand

**TABLE30
DEMAND AND CONSUMPTION**

Day	December-15						January-16						February-16						March-16					
	Max. D (MW)	Mor. Peak (MW)	Min. D (MW)	Con. (MU)	LF (%)	Urs. D* (MW)	Max. D (MW)	Mor. Peak (MW)	Min. D (MW)	Con. (MU)	LF (%)	Urs. D (MW)	Max. D (MW)	Mor. Peak (MW)	Min. D (MW)	Con. (MU)	LF (%)	Urs. D (MW)	Max. D (MW)	Mor. Peak (MW)	Min. D (MW)	Con. (MU)	LF (%)	Urs. D (MW)
Day 1	3346	2687	2079	63.06	78.53	3346	3296	2523	1915	59.76	75.55	3296	3407	2634	2011	61.82	75.61	3407	3573	2884	2429	69.29	80.80	3573
Day 2	3349	2694	2091	62.82	78.17	3449	3230	2388	1765	59.20	76.37	3230	3390	2662	1997	62.05	76.27	3390	3605	2892	2445	70.48	81.45	3605
Day 3	3150	2647	1994	61.51	81.35	3275	2965	2260	1845	53.14	74.69	2965	3337	2644	2024	61.57	76.88	3337	3713	2936	2455	71.33	80.05	3713
Day 4	3433	2753	2120	63.54	77.12	3433	3273	2525	1734	58.07	73.93	3273	3404	2649	2019	61.88	75.74	3404	3637	2925	2482	71.07	81.43	3637
Day 5	3310	2588	2088	62.24	78.34	3310	3311	2545	1812	58.93	74.15	3311	3374	2706	1989	62.29	76.93	3374	3596	2861	2481	70.49	81.68	3596
Day 6	3058	2408	1983	56.98	77.63	3058	3348	2588	1823	60.50	75.31	3348	3324	2696	2001	62.71	78.61	3324	3435	2757	2334	66.17	80.26	3435
Day 7	3387	2614	1984	61.50	75.67	3387	3305	2674	1890	60.90	76.76	3305	3187	2479	2053	58.70	76.74	3187	3582	2777	2496	70.97	82.56	3582
Day 8	3347	2654	2047	61.60	76.69	3347	3328	2662	1992	62.17	77.84	3328	3490	2712	2059	65.10	77.71	3490	3691	2870	2489	72.55	81.90	3691
Day 9	3409	2700	1992	62.19	76.02	3409	3246	2480	1929	61.41	78.83	3246	3498	2873	2183	66.71	79.46	3498	3763	2985	2564	74.02	81.95	3763
Day 10	3444	2718	2106	63.98	77.41	3444	3099	2364	1957	56.05	75.36	3099	3517	2803	2217	66.50	78.81	3517	3786	3010	2553	74.78	82.29	3786
Day 11	3401	2805	2100	64.77	79.36	3401	3360	2655	1940	61.04	75.70	3360	3510	2696	2135	65.44	77.68	3510	3517	3098	2631	73.39	86.94	3717
Day 12	3210	2663	2144	63.27	82.12	3285	3435	2734	2031	62.70	76.05	3435	3464	2903	2287	67.47	81.17	3464	3463	2875	2516	71.10	85.55	3463
Day 13	2914	2433	2072	56.93	81.42	2914	3414	2724	1983	62.66	76.48	3414	3393	2706	2267	66.53	81.70	3393	3521	2673	2339	66.45	78.65	3521
Day 14	3179	2596	1988	61.30	80.35	3179	3357	2746	1996	62.69	77.82	3357	3296	2566	2233	61.35	77.55	3296	3741	2954	2545	74.02	82.45	3866
Day 15	3257	2616	2054	62.45	79.89	3257	3348	2622	1999	62.04	77.20	3348	3503	2757	2169	66.45	79.03	3503	3615	3023	2577	73.52	84.73	3740
Day 16	3471	2693	2019	62.86	75.45	3471	3290	2684	1818	61.68	78.12	3290	3472	2926	2298	66.07	79.29	3472	3715	2906	2524	73.04	81.92	3840
Day 17	3351	2743	2092	63.00	78.33	3351	3073	2403	1975	56.55	76.68	3073	3532	2862	2229	67.20	79.27	3532	3737	2965	2581	73.64	82.10	3862
Day 18	3390	2657	2053	62.97	77.39	3390	3408	2680	1943	62.03	75.84	3408	3585	2876	2352	68.54	79.67	3585	3762	2999	2562	74.59	82.62	3887
Day 19	3250	2553	2059	62.26	79.83	3250	3424	2711	2032	63.56	77.33	3424	3567	2897	2430	69.62	81.32	3567	3734	2981	2678	75.08	83.78	3859
Day 20	3122	2387	2010	56.71	75.70	3122	3371	2867	2144	63.89	78.97	3371	3463	2895	2460	69.94	84.15	3463	3633	2890	2483	70.35	80.68	3758
Day 21	3394	2568	2023	63.34	77.77	3394	3500	2807	2091	65.24	77.66	3500	3407	2658	2286	64.98	79.47	3407	3819	2970	2635	76.03	82.94	3944
Day 22	3423	2568	2109	63.28	77.03	3423	3456	2840	2206	65.46	78.93	3456	3638	2908	2369	70.67	80.94	3638	3764	3057	2736	76.60	84.80	3889
Day 23	3320	2562	2008	62.79	78.81	3320	3363	2682	2148	65.04	80.58	3363	3614	2956	2534	71.18	82.07	3614	3770	3009	2652	75.54	83.48	3895
Day 24	3210	2479	2053	61.51	79.84	3210	3213	2468	2161	65.04	78.05	3213	3601	3016	2521	71.09	82.24	3601	3610	2982	2692	75.09	86.66	3610
Day 25	2998	2265	1956	55.24	76.78	2998	3479	2686	2164	65.72	78.71	3479	3666	2959	2458	70.81	80.47	3666	3574	2895	2498	70.09	81.71	3574
Day 26	3186	2335	1841	57.92	75.75	3186	3333	2600	2215	63.47	79.35	3333	3640	2931	2493	71.22	81.52	3640	3712	2868	2596	73.27	82.25	3837
Day 27	3062	2270	1909	55.09	74.96	3062	3545	2778	2098	65.43	76.90	3545	3554	2864	2442	70.32	82.45	3554	3590	2781	2366	68.97	80.04	3590
Day 28	3407	2522	1989	61.23	74.89	3407	3538	2784	2217	66.25	78.03	3538	3423	2667	2311	65.06	79.18	3463	3860	2954	2654	75.19	81.16	3985
Day 29	3409	2542	2025	62.69	76.63	3409	3472	2784	2212	65.74	78.90	3472	3626	2813	2363	69.48	79.84	3626	3766	3021	2643	74.66	82.59	3891
Day 30	3409	2720	2099	63.40	77.50	3409	3323	2661	2210	64.02	80.27	3323	-	-	-	-	-	-	3850	2990	2630	75.79	82.01	3975
Day 31	3294	2594	2006	61.44	77.78	3294	3113	2406	2080	57.99	77.62	3113	-	-	-	-	-	-	3829	2988	2716	76.74	83.51	3954

Note : Urs.D * -Unrestricted demand

TABLE 31
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	23.42	32.15	6.05	21.99	2.74	7.13	10.35	26.13	0.75	0.61			0.87	1.39	1.39	3.17	53.93	6.27	0.51	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

* included in Industrial LT from 2002-03

TABLE 32
COST PER UNIT SENT OUT

(All figures in Ps.)

Sl. No	Year	At Generation end		At Transmission end		At Distribution LT side	
		(a)	(b)	(a)	(b)	(a)	(b)
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	326	323	374	369	677	621
24	2015-16	305	303	372	367	631	587

a. Cost per kWh sent out including interest charges

b. Cost per kWh sent out excluding interest charges

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	10000	8697	8110	8113	33401703	Tyre
2	12/941	Autokast Ltd	EHT II	110	3000	2381	1982	1908	5788600	Fast gray iron & cast iron
3	31/3416	Believers Church	EHT	110	2000	1360	1085	1043	7519740	Church,College
4	16/1666	Bharath Petroleum Corporation, Ernakulam	EHT II	110	850	562	639	609	2356000	Petroleum products
5	7/701	Binani Zinc Ltd	EHT II	110	18000	374	220	257	1167333	Zinc, Sulphuric acid, Cadmium
6	8/1234	Carborundum Universal Ltd, Edappally	EHT I	66	15000	11070	10782	10707	33494599	Brown fused alumina
7	8/854	Carborundum Universal Ltd, Koratty	EHT II	110	7500	6311	6314	6258	23855606	Abressive grains
8	8/4208	Co Operative Medical College, Kalamassery	EHT	110	1000	672	504	478	2916930	Hospital
9	29/3507	Cochin International Airport	EHT	110	4000	2812	3223	2932	8446659	Airport
10	2/201	Cochin Refineries Ltd	EHT III	220	40000	18782	12870	13520	33746000	Petroleum products
11	21/845	Cochin Shipyard Limited	EHT I	66	7500	7144	3991	4313	30078000	Ship
12	5/202	FACT Cochin Division	EHT II	110	12000	8214	7501	8202	47303050	Fertizer
13	5/501	FACT Udyogamandal	EHT II	110	14000	8383	8208	8169	51615350	Fertizer
14	4/437	Grasim Industries Ltd	EHT I	66	500	32	31	35	140500	
15	1/124	GTN Textiles Ltd, Aluva	EHT II	110	4500	4056	4033	4029	31581130	Yarn
16	3/325	Hindalco Industries Ltd	EHT II	110	5000	3116	3071	3102	17764000	Aluminium billets & extrusion press
17	8/851	Hindustan Machine Tools Ltd	EHT I	66	2900	2314	983	1028	3672600	Printing machines
18	11/1141	Hindustan News Print Ltd	EHT II	110	22000	17603	12508	17622	52884783	Newsprint

Table 33 continued

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
19	15/1515	Hindustan Organic Chemicals Ltd	EHT I	66	9000	5254	5215	5184	34186200	Chemicals
20	13/1320	Indian Telephone Industries	EHT I	66	1500	1040	435	170	2934150	Electronic telephone exchanges
21	1/153	Indsil Electromelts Ltd	EHT I	66	14000	9590	9362	9408	55712889	Silica, Manganese
22	13/1351	International Airport Authority of India	EHT	66	3000	2287	2486	2241	15688200	Airport
23	18/635	Kerala Minerals & Metals Ltd.	EHT II	110	12500	11112	11083	11221	65094367	Titanium dioxide pigment
24	2/3737	Kochi Refineries Ltd - Pumping Station	EHT I	66	1400	1391	95	1401	4181400	Water pumping facility
25	7/716	Madras Rubber Factory Ltd	EHT II	110	10000	8202	7729	7462	49556915	Rubber products
26	15/14/1337	Malabar Cements, Walayar	EHT II	110	10000	8852	6864	8844	47253335	Cement
27	31/4352	MPS Steel Castings Pvt.Ltd	EHT II	110	2000	263	117	84	487200	Steel
28	19/4025	Paragon Steels Pvt. Ltd.- Unit II	EHT II	110	7000	5891	4417	5872	26956900	Steel
29	26/7324	Patspin India Ltd	EHT II	110	4400	3791	3750	3747	23962691	
30	15/3809	Petronet CCK Limited	EHT II	110	2600	2199	2154	2172	11364420	Petroleum products
31	9/333	Phillips Carbon Black Ltd	EHT I	66	1500	1132	811	356	88900	Carbon black
32	9/731	Precot Meridian Ltd (A Unit)	EHT I	66	4500	3702	3655	3699	27661600	Cotton yarn
33	9/4487	Precot Meridian Ltd (C & D Units)	EHT II	110	2700	2668	2669	2681	20391520	Cotton yarn
34	4/438	Premier Tyres Ltd	EHT I	66	4750	3398	2969	2744	11644860	Automotive Tyres
35	10/7428	Punalur paper Mills Ltd	EHT II	110	2000	619	299	208	238305	Paper
36	30/7701	Railway Traction	EHT II	110	3000	1310	655	230	13500	
37	8/1140	SEPR Refractories India Ltd	EHT I	66	9000	7157	7154	6988	37654900	
38	30/4748	Railway Traction Substation, Chingavanam	EHT II	110	7000	6090	5361	4728	23624000	
39	30/3607	Railway Traction Substation, Chalakkudy	EHT II	110	9500	9813	7700	8991	35837775	

Table 33 continued

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
38	30/4748	Railway Traction Substation, Chingavanam	EHT II	110	7000	6090	5361	4728	23624000	
39	30/3607	Railway Traction Substation, Chalakkudy	EHT II	110	9500	9813	7700	8991	35837775	
40	30/4462	Railway Traction Substation, Kazhakkuttam	EHT II	110	8500	8113	8463	5466	24351900	
41	30/3899	Railway Traction Substation, Kadavanthra	EHT II	110	8000	7859	7550	6432	29303887.5	
42	30/3444	Railway Traction Substation, Shornur	EHT II	110	9100	8242	8531	9414	28534000	
43	30/3116	Railway Traction Substation, Kanjikode	EHT II	110	12500	11112	7972	8702	25925686	
44	30/4619	Railway Traction Substation, Perinad	EHT II	110	10500	9537	9579	6997	32254100	
45	30/4337	Railway Traction Substation, Punnapra	EHT II	110	5000	4095	0	0	12987475	
46	7/702	Steel Complex Ltd	EHT II	110	3000	1210	583	674	1247400	Mild steel billet
47	6/602	Transformers & Electricals Kerala Ltd	EHT I	66	2000	1184	946	911	4077275	Power transformer
48	1/102	Travancore Cochin Chemicals Ltd	EHT II	110	24000	18803	18138	18773	148743300	Chemicals
49	1/103	Travancore Titanium Products Ltd	EHT I	66	4000	2233	1505	2100	12123000	Titanium dioxide
50	7/709	VSSC	EHT	110	12000	9789	3268	2342	28946880	
51	2/502	Western India Plywood Ltd	EHT II	110	3500	3094	2815	2601	12462400	Compressed press board

TABLE 34
LIST OF EHV AND 33 kV SUBSTATIONS

Sl. No	Name of substation	Transmission Circle	Capacity (MVA)	Voltage Ratio (kV)	Year of Commissioning	No. of 11 kV Feeders
I. 400 kV Substation in operation						
1	Madakkathara	Thrissur	3x315	400/220	1993 & 1995	8
			2x200	220/110		
			2x10	110/11		
Total			1365			8
II. 220 kV Substations in operation						
1	Areacode	Malappuram	1x160	220/110	May-98	7
			1x12.5 + 1x10	110/11		
2	Ambalamugal (BPCL)	Kalamassery	2x50	220/33	Apr-12, May-13	0
3	Brahmapuram	Kalamassery	2x160	220/110	Nov-99	7
			1x12.5 + 1x10	110/11		
4	Edamon	Kottarakara	2x100	220/110	1978	5
			2x40	110/66		
			2x10	66/11	1978, May-13	
5	Edappon	Alappuzha	2x200	220/110	May-09	10
			2x63	110/66		
			1x16	110/33		
			3x10	66/11		
6	Kalamassery	Kalamassery	3x200 + 1x120	220/110	1965	8
			2x63	110/66		
			2x10	110/11		
7	Kanjirode	Kannur	2x160	220/110	Sep-97	6
			2x16	110/33	Feb-01, Aug-06	
			2x10	110/11	Sep-97	
8	Kaniyampetta	Kozhikode	2x50	220/66	1994	4
			2x20	66/33		
			1x10 + 1x6.3	66/11		
9	Kundara	Kottarakara	2x200	220/110	Jan-06	16
			3x12.5	110/11		
10	Malaparamba	Malappuram	2x100	220/110	Nov-07	6
			2x12.5	110/11		
11	Mylatty	Kannur	2x100	220/110	Oct-98	9
			1x12.5 + 2x10	110/11	Oct-98, Apr-15	
			1x31.5 (GTR)	110/11	Oct-98	
12	Nallalam	Kozhikode	2x100 + 2x60	220/110	1950	15
			2x40	110/66		
			1x16	110/33	Mar-16	
			2x12.5	110/11	1950	
			2x10	66/11		
13	New Pallom	Poovanthuruthu	Switching Station		Nov-99	

TABLE 34.....

Sl. No	Name of substation	Transmission Circle	Capacity (MVA)	Voltage Ratio (kV)	Year of Commissioning	No. of 11 kV Feeders
14	Orkatteri (Vadakara)	Kozhikode	2x100	220/110	May-09	5
			2x12.5	110/11	May-09, Feb-14	
15	Pallom	Poovanthuruthu	2x200	220/110	1965	8
			3x63	110/66		
			2x10	66/11		
16	Palakkad	Palakkad	2x160	220/110	May-97	18
			5x25	110/22	May-97, May-12	
17	Pothencode	Thiruvananthapuram	3x200	220/110	1989	11
			3x12.5	110/11		
18	Punnpra	Alappuzha	1x200	220/110	Aug-14	7
			2x63	110/66	1984	
			1x16	110/33	2008	
			2x10	66/11	1984	
19	Shornur	Palakkad	2x100	220/110	Jan-04	7
			2x12.5	110/11		
20	Thaliparamba	Kannur	2x100	220/110	Mar-05	6
			2x16	110/33	Jul-03	
			2x10	110/11	May-98	
Total			7034.3			155
III. 110 kV Substations in operation						
1	Adimali	Thodupuzha	1x10	110/11	May-99	3
2	Agastiamoozhi	Kozhikode	2x16	110/33	Jan-04	5
			2x12.5	110/11	Mar-14	
3	Aluva	Kalamassery	2x63	110/66	Prior to 1st Plan 110 kV in 1979	16
			1x12.5	110/11		
			3x10	66/11		
4	Ambalappuram	Kottarakara	2x16	110/33	Mar-03	5
			2x12.5	110/11		
5	Angamaly	Thrissur	1x20 + 1x12.5	110/11	1976, Dec-15	12
6	Arangottukara	Thrissur	1x12.5	110/11	Feb-14	4
7	Aroor	Alappuzha	2x63	110/66	1994, Jan-05	10
			3x10	66/11	1994	
8	Aruvikkara	Thiruvananthapuram	2x10	110/11	Aug-98	5
9	Athani	Thrissur	1x16	110/33	2001	6
			2x12.5	110/11	1992	
10	Attingal	Thiruvananthapuram	2x20	110/66	Mar-05	10
			2x16	110/33	2010, 2012	
			1x12.5	110/11	Mar-05	
			2x10	66/11		
11	Ayarkunnam	Poovanthuruthu	2x12.5	110/11	Mar-10	6
12	Ayathil	Kottarakara	3x12.5	110/11	Mar-09	12
13	Ayyampuzha	Thrissur	1x12.5 + 1x10	110/11	May-11	4

TABLE 34.....

Sl. No	Name of substation	Transmission Circle	Capacity (MVA)	Voltage Ratio (kV)	Year of Commissioning	No. of 11 kV Feeders
14	Azhikode	Kannur	1x16	110/33	Apr-00	6
			2x12.5	110/11		
15	Chakkittapara	Kozhikode	1x12.5 + 1x10	110/11	Dec-04	5
16	Chalakydy	Thrissur	2x50	110/66	1st Plan	7
			2x16	110/33	2003, 2009	
			2x12.5	110/11	1st Plan	
17	Chavara	Kottarakara	2x12.5	110/11	Mar-10	8
18	Chengalam	Poovanthuruthu	2x10 + 1x12.5	110/11	Nov-94, Feb-13	7
19	Chengannur	Alapuzha	1x16	110/33	03/09	9
			1x12.5 + 1x10	110/11	1990	
20	Chelari	Malappuram	2x16	110/33	2003, 2009	8
			2x12.5	110/11	Feb-03	
21	Chellanam	Alapuzha	2x12.5	110/11	Mar-07	6
22	Cherpu	Thrissur	1x16	110/33	2002	6
			2x12.5	110/11	Dec-00	
23	Cherpulassery	Palakkad	2x12.5	110/11	Mar-04	5
24	Cherupuzha	Kannur	2x10	110/11	Jun-98	4
25	Cheruvathur	Kannur	2x16	110/33	Apr-02	5
			2x5	33/11		
26	Chevayur	Kozhikode	2x25	110/66	1996	12
			1x20 + 2x10	110/11		
27	Chovva	Kannur	1x12.5 + 1x10	110/11	Dec-10	5
28	Edappal	Malappuram	2x12.5	110/11	Mar-00	7
29	Edappally	Kalamassery	2x12.5	110/11	Mar-02	9
			1x16	110/11	Nov-13	
30	Edarikode	Malappuram	2x16	110/33	May-03, Mar-14	9
			3x12.5	110/11	05/03	
31	Edathuva	Alapuzha	1x16	110/33	Mar-08	6
			2x5	33/11		
32	Edayar	Kalamassery	2x12.5 + 1x10	110/11	Apr-00, Dec-13	12
			1x10	66/11	Apr-00	
33	Erattupetta	Poovanthuruthu	2x12.5	110/11	Apr-01	5
34	Ernakulam North	Kalamassery	1x12.5 + 2x10	66/11	1984, Mar-16	12
35	Ezhimala	Kannur	1x12.5 + 1x10	110/11	Aug-01	3
36	Gandhi Road (GIS)	Kozhikode	2x20	110/11	Nov-15	9
37	Guruvayoor	Thrissur	1x16	110/33	Dec-04	7
			2x12.5	110/11		
38	Irinjalakuda	Thrissur	2x16	110/33	Aug-03, Mar-06	6
			2x10	110/11	Dec-00	
39	Iritty	Kannur	2x12.5	110/11	Jul-10	6
			1x16	110/33	Jan-15	
40	Kadavanthra	Kalamassery	3x10	110/11	Aug-97	7

TABLE 34.....

Sl. No	Name of substation	Transmission Circle	Capacity (MVA)	Voltage Ratio (kV)	Year of Commissioning	No. of 11 kV Feeders
41	Kakkad (Switching stn.)	Gen. circle, Moozhivar	2x12.5	110/11	1999	3
42	Kakkayam (Switching stn.)	Kozhikode	2x12.5	110/11	Sep-12, May-14	2
43	Kalladikode	Palakkad	1x12.5 + 1x10	110/11	Mar-10	6
44	Kaloor	Kalamassery	2x25	110/66	2008	13
			3x12.5	110/11	1993	
			2x16	110/33	2012	
			1x10	66/11	2008	
45	Kandanad	Kalamassery	2x12.5	110/11	Jan-01	7
46	Kandassankadavu	Thrissur	1x16	110/33	Dec-04	7
			2x12.5	110/11		
47	Kanhangad	Kannur	2x16	110/33	1993, Mar-16	6
			2x10	110/11	1968	
48	Kanjikode	Palakkad	2x63	110/66	Jul-10	9
			2x10	66/22	1993	
			2x10	66/11		
49	Kanjirappally	Poovanthuruthu	2x12.5	110/11	1974, Mar-15, Mar-16	7
50	Kasargode (Vidyanagar)	Kasargode	2x16	110/33	2008, Mar-16	8
			1x20 + 1x10	110/11	1974	
51	Kattakada	Thiruvananthapuram	3x10	110/11	1966, Mar-14	6
52	Kattoor	Thrissur	2x12.5	110/11	Feb-14	6
53	Kavanadu	Kottarakara	2x12.5	110/11	1993	10
54	Kayamkulam	Alapuzha	1x16	110/33	Sep-09	9
			1x12.5 + 2x10	110/11	Jun-99	
55	Kilimanoor	Thiruvananthapuram	2x16	110/33	2004, 2008	6
			2x10	110/11	Dec-98	
56	Kizhakkambalam	Kalamassery	2x12.5	110/11	Feb-14	10
			1x10	66/11	1985	
57	Kizhissery	Malappuram	1x16	110/33	2001, 2004	7
			2x12.5	110/11	1990	
58	Kodakara	Thrissur	2x12.5	110/11	Apr-01, Jan-14	4
59	Kodimatha	Poovanthuruthu	1x10	110/11	Feb-16	3
60	Koduvally	Kozhikode	2x12.5	110/11	Oct-09	6
61	Kollengode	Palakkad	2x16	110/33	Dec-03	6
			2x5	33/11		
62	Koodal	Pathanamthitta	2x12.5	110/11	May-13	6
63	Koottanad	Palakkad	1x16	110/33	Jun-02	6
			2x12.5	110/11	Mar-00	
64	Koppam	Palakkad	2x16	110/33	2002	6
			1x12.5 + 1x10	110/11	Oct-13, 1995	
65	Kottarakara	Kottarakara	2x12.5	110/11	Dec-04	6
66	Kottiyam	Kottarakara	2x16	110/33	2010	7
			2x12.5	110/11	May-98	

TABLE 34.....

Sl. No	Name of substation	Transmission Circle	Capacity (MVA)	Voltage Ratio (kV)	Year of Commissioning	No. of 11 kV Feeders
67	Koyilandy	Kozhikode	1x16	110/33	2002	7
			1x20 + 1x10	110/11	Oct.15, 1985	
68	Kozhenchery	Pathanamthitta	1x12.5 + 1x10	110/11	Mar-03	8
69	Kozhinjampara	Palakkad	2x16	110/33	2009	6
			2x12.5	110/11	Sep-08	
70	Kubanoor	Kannur	1x12.5 + 1x10	110/11	1983	3
71	Kunnamangalam	Kozhikode	2x40	110/66	Nov-00	5
			2x10	66/11	1997	
72	Kunnamkulam	Thrissur	1x16	110/33	Feb-05	7
			2x12.5	110/11	May-04	
73	Kurumassery	Kalamassery	2x16	110/33	Dec-00	0
74	Kuthuparamba	Kannur	2x12.5	110/11	May-15	6
75	Kuthungal	Thodupuzha	1x16	110/11	Mar-14	2
			1x5	33/11	Mar-14	
76	Kuttippuram	Malappuram	1x12.5 + 2x10	110/11	Oct-00, Jan-14	8
			1x16	110/33	Mar-14	
77	Kuttiyadi	Kozhikode	1x16	110/33	2012	6
			2x10	110/11	1990, Mar-15	
78	Mahe (Pondicherry Govt)	Kannur	2x10	110/11	1989	
79	Malampuzha	Palakkad	2x10	110/11	1994	8
80	Malappuram	Malappuram	2x40	110/66	1976	7
			1x16	110/33	2001	
			3x12.5	110/11	1976	
81	Malayattur	Thrissur	2x16	110/33	Mar-05	6
			2x10	110/11	Jun-05	
82	Mallappally	Pathanamthitta	1x16	110/33	Dec-03	7
			1x12.5 + 1x10	110/11	May-00	
83	Mangad	Kannur	2x12.5	110/11	1976	8
84	Manjeswaram	Kasargode	1x12.5 + 1x10	110/11	May-97	4
85	Mannarkkad	Palakkad	2x16	110/33	Oct-01	5
			1x12.5 + 1x10	110/11	1990, Feb-16	
86	Mattanchery	Kalamassery	2x25	110/66	Apr-02	11
			2x10 + 1x8	66/11	1972	
87	Mattanur	Kannur	2x16	110/33	Jul-10, Mar-16	6
			2x12.5	110/11	Jul-10	
88	Mavelikkara	Alappuzha	2x40	110/66	Dec-09	8
			3x10	66/11	Dec-09	
89	Medical College	Thiruvananthapuram	1x12.5 + 1x10	110/11	May-98	8
90	Melattur	Malappuram	1x16	110/33	Jan-06	3
			1x12.5	110/11		
91	Meppayur	Kozhikode	2x16	110/11	Aug-04	4
			2x5	33/11		

TABLE 34.....

Sl. No	Name of substation	Transmission Circle	Capacity (MVA)	Voltage Ratio (kV)	Year of Commissioning	No. of 11 kV Feeders
92	Mulleria	Kannur	1x16	110/33	Mar-01	5
			2x10	110/11		
93	Mundayadu	Kannur	2x40	110/66	1966	9
			1x16	110/33	2001	
			2x12.5	110/11	1966	
			1x10	66/11		
94	Muvattupuzha	Thodupuzha	2x16	110/33	2004	9
			3x12.5	110/11	1989, Dec-13	
95	Myloor (Pothanikad)	Thodupuzha	2x12.5	110/11	Mar-10	4
96	Nadapuram	Kozhikode	1x16	110/33	Dec-13	5
			2x12.5	110/11	Feb-01	
97	Nedumangadu	Thiruvananthapuram	2x16	110/33	2009	8
			2x10	110/11	Jun-05	
98	Neriamangalam	Gen. circle, Meencut	1x10	110/11		4
99	New Vyttila	Kalamassery	2x12.5	110/11	Dec-09	7
100	North Paravur	Kalamassery	2x16	110/33	2005	7
			1x12.5	110/11	1989	
			1x10	66/11		
101	Ollur	Thrissur	2x16	110/33	2001	9
			2x12.5	110/11	Jan-01, Sep-13	
			2x10	66/11	Aug-01	
102	Ottapalam	Palakkad	2x12.5	110/11	1989, Feb-16	5
103	Pala	Poovanthuruthu	2x40	110/66	1985	8
			2x16	110/33	2009	
			2x10	66/11	1985	
104	Panangad	Kalamassery	2x12.5	110/11	05/12	3
105	Pampady	Poovanthuruthu	2x12.5	110/11	1987, Apr-15, Jan-16	7
106	Panoor	Kannur	1x16	110/33	2003	5
			2x10	110/11	1994	
107	Parali	Palakkad	2x16	110/33	2005	6
			2x10	110/11	1988	
108	Parassala	Thiruvananthapuram	2x50	110/66	May-00	6
			2x16	110/33	2008	
			2x12.5	110/11	May-00	
109	Parippally	Kottarakara	1x16	110/33	Nov-13	8
			2x12.5	110/11	Sep-10	
110	Paruthippara	Thiruvananthapuram	2x63	110/66	1978	15
			3x20	110/11		
111	Pathanamthitta	Pathanamthitta	2x16	110/33	2003	10
			3x12.5	110/11	1999, Aug-14	
112	Pathanapuram	Kottarakara	2x12.5	110/11	Sep-09	8

TABLE 34.....

Sl. No	Name of substation	Transmission Circle	Capacity (MVA)	Voltage Ratio (kV)	Year of Commissioning	No. of 11 kV Feeders
113	Pathirippala	Palakkad	1x12.5 + 1x10	110/11	Aug-11, Oct-13	4
114	Payyngadi	Kannur	2x12.5	110/11	Dec-97	5
115	Payyannur	Kannur	1x16	110/33	2006	8
			2x12.5 + 1x10	110/11	Apr-81	
116	Pazhayannur	Thrissur	1x12.5 + 1x10	110/11	Apr-97	4
117	Perinad	Kottarakara	2x12.5	110/11	Feb-16	4
118	Perumbavoor	Thodupuzha	1x16	110/33	Jun-03	10
			1x12.5	110/11		
			2x10	66/11		
119	Pinarayi	Kannur	2x16	110/33	Mar-01	4
			2x5	33/11		
120	Piravom	Thodupuzha	1x12.5 + 2x10	110/11	1994, Mar-14	8
121	Ponnani	Malappuram	2x12.5	110/11	Jan-03	6
122	Pullazhy	Thrissur	2x12.5	110/11	Mar-08	7
123	Pudukkad	Thrissur	2x12.5	110/11	1974, May & Jul-15	7
124	Punalur	Kottarakara	2x12.5	110/11	Jan-03	9
125	Punnayurkulam	Thrissur	2x12.5	110/11	Aug-05	6
126	Ranni	Poovanthuruthu	2x12.5	110/11	Mar-01	6
127	Rayonpuram	Thodupuzha	2x12.5	110/11	Sep-11, Nov-13	3
128	Sasthamcotta	Kottarakara	2x20	110/66	1993	10
			1x12.5 + 2x10	110/11		
129	Sholayar	Gen. circle, Thrissur	1x10	110/11	1966	2
130	S.L. Puram (Kanjikuzhi)	Alappuzha	2x12.5	110/11	Aug-09	6
131	Technopark (Kazhakkuttam)	Thiruvananthapuram	2x12.5 + 1x20 + 1x10	110/11	Jun-99, Oct-15	12
132	TERLS	Thiruvananthapuram	2x40	110/66	Nov-04	9
			2x12.5	110/11		
133	Thalassery	Kannur	2x12.5 + 1x10	110/11	1990	12
134	Thirumala	Thiruvananthapuram	1x63	110/66	Aug-00	16
			2x16	110/33	Apr-12, May-15	
			3x20	110/11	04/12	
135	Thrikodithanam	Poovanthuruthu	2x12.5	110/11	Mar-08	6
			1x16	110/33	Feb-13	
136	Thycattussery	Alappuzha	2x16	110/33	2008	6
			2x10	110/11	Dec-03	
137	Tirur	Malappuram	3x12.5	110/11	Apr-00	10
138	Udumbannoor	Thodupuzha	2x16	110/33	Apr-05	4
			2x5	33/11	Dec-05	
139	Vadakara	Kozhikode	1x16	110/33	2008	8
			3x12.5	110/11	1970	
140	Vadakkanchery	Palakkad	2x16	110/33	2006, 2010	6
			1x12.5 + 1x10	110/11	Mar-99	

TABLE 34.....

Sl. No	Name of substation	Transmission Circle	Capacity (MVA)	Voltage Ratio (kV)	Year of Commissioning	No. of 11 kV Feeders
TABLE 34.....						
141	Vaikom	Poovanthuruthu	2x40	110/66	1971	7
			1x16	110/33	2009	
			1x12.5 + 2x10	110/11	1971, Jul-13	
142	Valapad	Thrissur	2x16	110/33	Dec-05	7
			2x10	110/11	Dec-00	
143	Varkala	Thiruvananthapuram	2x10 + 1x12.5	110/11	Oct-06, Jun-14	10
144	Vennakkara	Palakkad	2x16	110/33	1971, Apr-15	12
			2x12.5	110/11	1971	
			1x10	66/11		
145	Viyur	Thrissur	2x63	110/66	1998	8
			2x16	110/33	2007	
			2x12.5	110/11	1998	
146	Vyttila	Kalamassery	1x63 + 1x40	110/66	1978	9
			2x12.5	110/11		
147	Wadakkanchery	Thrissur	1x16	110/33	Dec-05	6
			2x12.5	110/11		
148	Walayar	Palakkad	1x25	110/22	Mar-11	4
149	West Hill	Kozhikode	3x12.5	110/11	1980	12
150	Willington Island	Kalamassery	2x10	110/11	Nov-97	6
	Total		7354			1031
IV. 66 kV Substations in operation						
1	Adoor	Pathanamthitta	2x10	66/11	1979	7
2	Alappuzha	Alappuzha	3x10	66/11	Prior to 1st Plan	10
3	Anchal	Kottarakara	2x10	66/11	02/11	7
4	Anchukunnu	Nallalam	2x5	66/11	Nov-12	3
5	Ayoor	Kottarakara	2x10	66/11	1993	7
6	Balaramapuram	Thiruvananthapuram	2x10	66/11	01/14	3
7	Palakkad Medical College (Chandranagar)	Palakkad	1x10	66/11	03/16	
8	Changanassery	Poovanthuruthu	3 x10	66/11	1979	9
9	Cherthala	Alappuzha	3 x10	66/11	1968	9
10	Chittoor	Palakkad	2 x10	66/11	1990	7
11	Chumathra	Pathanamthitta	1x10 + 1x6.3	66/11	1989	8
12	Edakkara	Malappuram	2x10	66/11	02/06	4
13	Edathala	Kalamassery	2x10	66/11	1993	8
14	Ettumanoor	Poovanthuruthu	3x10	66/11	1965	9
15	Fort Kochi (GIS)	Kalamassery	2x10	66/11	12/06	6
16	Gandhinagar	Poovanthuruthu	3x10	66/11	1987, Dec-15	7
17	Idamalayar	Gen. circle, Kothamangalam	1x15	110/66	1987	0
			1x4 + 1x6.3	66/11		
18	Kakkanad (CEPZ)	Kalamassery	3x10	66/11	1987	14
19	Kannampully	Palakkad	2x4	66/11	1976	4

TABLE 34.....

Sl. No	Name of substation	Transmission Circle	Capacity (MVA)	Voltage Ratio (kV)	Year of Commissioning	No. of 11 kV Feeders
20	Karimanal	Thodupuzha	1x4 + 1x6.3	66/11	1987	2
21	Karukutty	Thrissur	2x10	66/11	1971	8
22	Karunagappally	Kottarakara	3x10	66/11	1994	10
23	Karuvatta	Alappuzha	2x10	66/11	1972	6
24	Kattappana	Thodupuzha	1x10 + 1x6.3	66/11	1992	5
25	Kochu pampa	Pathanamthitta	2x4	66/11	12/98	4
26	Kodungallur	Thrissur	2x10 + 1x6.3	66/11	1980	6
27	Koothattukulam	Poovanthuruthu	1x6.3 + 1x10	66/11	1973, Jun-14	5
28	Madura Coats (Koratty)	Thrissur	1x 6.3	66/11	1982	2
29	Kothamangalam	Thodupuzha	3x10	66/11	Prior to I plan	10
30	Kottayam (Kanjikuzhy)	Poovanthuruthu	3x10	66/11	1975	9
31	Kulamavu	Thodupuzha	1x4	66/11	1967	3
32	Kuravilangadu	Poovanthuruthu	2x10	66/11	01/05	5
33	Kuthumunda	Kozhikode	2x10	66/11	Prior to 1st plan	6
34	Kuttanadu	Alappuzha	2x10	66/11	1973	8
35	Kuttikattoor	Kozhikode	1x8 + 2x10	66/11	1974	10
36	LA Complex (GIS)	Thiruvananthapuram	2x16	66/11	05/05	8
37	Mala	Thrissur	2x10	66/11	1993	6
38	Mananthavady	Kozhikode	2x10	66/11	1955	6
39	Manjeri	Malappuram	2x10	66/11	1991	6
40	Mankada	Malappuram	1x10	66/11	09/15	2
41	Mankavu	Kannur	2x8 + 1x10	66/11	Prior to 1st plan	9
42	Marine Drive GIS	Kalamassery	2x16	66/11	11/07	8
43	Mavoor (Ambalaparamba)	Kozhikode	2x6.3	66/11	1973	4
44	Moolamattom	Gen. circle, Moolamattom	1x50	220/66	1976	4
			2x6.3	66/11		
45	Moozhiar	Gen. circle, Moozhiyar	1x50	220/66	1973	2
			1x4	66/11		
46	Mulavukadu	Kalamassery	1x6.3 + 1x 4	66/11	02/01	3
47	Mundakkayam	Poovanthuruthu	1x16	66/11	Aug-15	6
			2x10	66/11	1997, Aug-15	
48	Nangiarkulangara	Alappuzha	2x10 + 1x8	66/11	1990, Nov-14	8
49	Nedumkandom	Thodupuzha	1x20	66/33	2006	4
			2x8	66/11		
50	Nedumpoil	Kannur	2x6.3	66/11	1971	3
51	Nemmara	Palakkad	2x8	66/11	1976	5
52	Neyyattinkara	Thiruvananthapuram	2x10 + 1x8	66/11	1968	9
53	Nilambur	Malappuram	1x16	66/33	Aug-13	6
			2x10	66/11	1979	
54	Njarakkal	Kalamassery	2x10 + 1x8	66/11	1973	8
55	Pallivasal	Gen. circle, Meencut	3x10	66/11	1940, Feb-12	9
56	Palode	Thiruvananthapuram	1x10 + 1x5	66/11	1980	6

TABLE 34.....

Sl. No	Name of substation	Transmission Circle	Capacity (MVA)	Voltage Ratio (kV)	Year of Commissioning	No. of 11 kV Feeders
57	Panampally Nagar	Kalamassery	2x10	66/11	1989	6
58	Pathirappally	Alappuzha	2x10	66/11	1978	8
59	Peerumedu	Thodupuzha	1x16	66/33	2009	6
			2x6.3	66/11	1975, Sep-15	
60	Perinthalmanna	Malappuram	2 x10	66/11	1981	7
61	Perumanoor (Shipyard)	Kalamassery	2x10 + 1x12.5	66/11	1972	11
62	Powerhouse (GIS)	Thiruvananthapuram	2x16	66/11	Jan-05	8
63	Puthencruz	Kalamassery	2x10	66/11	1984	7
64	Puthiyara (GIS)	Kozhikode	2x16	66/11	Mar-04	8
65	Sengulam	Gen. circle, Meencut	1x10	66/11	1958	4
66	Sreekantapuram	Kannur	2x10	66/11	Apr-97	7
67	Sultan Bathery	Kozhikode	1x6.3 + 1x10	66/11	1986	4
68	Thamarassery	Kozhikode	2x10	66/11	1965	6
69	Thenmala	Kottarakara	1x6.3	66/11	Mar-15	5
70	Thiruvalla	Pathanamthitta	2x10 + 1x7.5	66/11	1966, Mar-16	8
71	Thodupuzha	Thodupuzha	3x10	66/11	1980	10
72	Thrikkakara (NPOL)	Kalamassery	2x8 + 1x10	66/11	1990	9
73	Triveni	Pathanamthitta	2x4	66/11	Oct-05	2
74	Vandiperiyar	Thodupuzha	1x10 + 1x6.3	66/11	1990, Nov-15	4
75	Vattiyoorkavu	Thiruvananthapuram	2x10	66/11	Nov-04	8
76	Vazhathoppu	Thodupuzha	1x10 + 1x8	66/11	1966, Jan-13	4
77	Veli	Thiruvananthapuram	2x8 + 1x10	66/11	1973	9
78	Vizhinjam	Thiruvananthapuram	2x10 + 1x4	66/11	1976	8
79	Walayar (MCL) Quarry	Palakkad	1x2	66/11	1982	0
Total			1755.7			492
V. 33 kV Substations in operation						
1	Agali	Palakkad	2x5	33/11	Dec-02	4
2	Adichanalloor	Kottarakara	2x5	33/11	Mar-10	3
3	Alakkode	Kannur	2x5	33/11	Nov-09	3
4	Alanallur	Palakkad	2x5	33/11	May-04	4
5	Alangad	Kalamassery	2x5	33/11	Aug-09	4
6	Alathur	Palakkad	2x5	33/11	Jul-06	3
7	Annamanada	Thrissur	2x5	33/11	Feb-16, Mar-16	2
8	Ananthapuram	Kannur	2x5	33/11	Mar-08	4
9	Anchangadi	Thrissur	2x5	33/11	Mar-05	3
10	Anthikad	Thrissur	1x5	33/11	Aug-09	2
11	Badiyadukka	Kannur	1x5	33/11	Mar-09	2
12	Balusseri	Kozhikode	2x5	33/11	Apr-02	4
13	Belur	Kannur	2x5	33/11	Mar-08, Mar-15	2
14	Chalisseri	Palakkad	2x5	33/11	Mar-03	4

TABLE 34.....

Sl. No	Name of substation	Transmission Circle	Capacity (MVA)	Voltage Ratio (kV)	Year of Commissioning	No. of 11 kV Feeders
15	Chavakkad	Thrissur	2x5	33/11	Dec-04	4
16	Chelakkara	Thrissur	1x5	33/11	Jan-08	2
17	Chengamanad	Kottarakara	2x5	33/11	May-06, Jan-13	4
18	Chirakkal	Thrissur	1x5	33/11	Dec-05	2
19	Chittadi	Palakkad	2x5	33/11	Nov-10	3
20	Chullimanoor	Thiruvananthapuram	2x5	33/11	Mar-09	3
21	Dharmadam	Kannur	2x5	33/11	2008	3
22	Edavanna	Malappuram	1x5	33/11	May-04	3
23	Erumapetty	Thrissur	2x5	33/11	Sep-01	3
24	Ezhukone	Kottarakara	2x5	33/11	Mar-08	4
25	Kadackal	Thiruvananthapuram	2x5	33/11	Dec-04	3
26	Kadakkavoor	Thiruvananthapuram	2x5	33/11	Nov-12	4
27	Kaduthurathy	Poovanthuruthu	1x5	33/11	Nov-09	2
28	Kaipamangalam	Thrissur	2x5	33/11	May-05	3
29	Kalady	Thrissur	3x5	33/11	Dec-04, Aug-13	4
30	Kalikavu	Malappuram	1x5	33/11	Mar-10	2
31	Kallambalam	Thiruvananthapuram	2x5	33/11	Jul-08	3
32	Kalletumkkara	Thrissur	2x5	33/11	Nov-05	3
33	Kallookadu	Thodupuzha	2x5	33/11	Mar-09	3
34	Kalpetta	Kozhikode	2x5	33/11	Nov-04	4
35	Kannanalloor	Kottarakara	1x5	33/11	Mar-13	4
36	Kannur Town	Kannur	2x5	33/11	Jul-10	2
37	Karamana	Thiruvananthapuram	2x5	33/11	Apr-12, Jan-14	2
38	Karukachal	Poovanthuruthu	2x5	33/11	Sep-11	4
39	Kattanam	Alappuzha	2x5	33/11	Mar-10	4
40	Kindangoor	Poovanthuruthu	2x5	33/11	Oct-10	3
41	Kinfra	Malappuram	2x5	33/11	Jul-03	2
42	Kodiyeri	Kannur	2x5	33/11	Mar-07	3
43	Koduvayur	Palakkad	2x5	33/11	Dec-03	3
44	Kongad	Palakkad	2x5	33/11	Dec-05	4
45	Kongannur	Thrissur	2x5	33/11	Apr-07	4
46	Konni	Pathanamthitta	2x5	33/11	Mar-08	3
47	Kooriyad (Kakkad)	Malappuram	2x5	33/11	Jun-11	4
48	Koottikkal	Poovanthuruthu	2x5	33/11	Jan-16	2
49	Koovappady	Thodupuzha	2x5	33/11	Mar-09	4
50	Koratty	Thrissur	2x5	33/11	Jan-09	5
51	Kumbanad	Pathanamthitta	2x5	33/11	Feb-14	3
52	Kurumassery	Kalamassery	2x5	33/11	Dec-03	3
53	Kuruppambady	Thodupuzha	2x5	33/11	Aug-03	4
54	Kuthiathode	Alappuzha	3x5	33/11	Mar-08	3
55	Kuttiyattur	Kannur	2x5	33/11	Feb-01	4
56	Makkaraparamba	Malappuram	2x5	33/11	May-04	4

TABLE 34.....

Sl. No	Name of substation	Transmission Circle	Capacity (MVA)	Voltage Ratio (kV)	Year of Commissioning	No. of 11 kV Feeders
57	Maniampara	Palakkad	2x5	33/11	Jul-06	4
58	Mannar	Alappuzha	2x5	33/11	Mar-09	4
59	Mazhuvanoor	Thodupuzha	2x5	33/11	Dec-04	3
60	Meenakshipuram	Palakkad	2x5	33/11	Mar-10	2
61	Meenangady	Kozhikode	2x5	33/11	Oct-04	3
62	Melady	Kozhikode	2x5	33/11	Jun-08	3
63	Methala	Thrissur	2x5	33/11	Mar-14	2
64	Mullassery	Thrissur	1x5	33/11	Feb-06	3
65	Mulloorkara	Thrissur	2x5	33/11	Jan-08	3
66	Mundur	Thrissur	2x5	33/11	Mar-01	4
67	Muthalamada	Palakkad	2x5	33/11	Dec-03	3
68	Nadukani	Kannur	2x5	33/11	Feb-06	4
69	Neeleswaram	Kannur	2x5	33/11	Mar-07	4
70	Nelliampathy	Palakkad	1x5	33/11	Jun-05	2
71	Ochira	Kottarakara	2x5	33/11	Sep-09	4
72	Othukkungal	Malappuram	1x5	33/11	Mar-09	2
73	Padinjarethara	Kozhikode	2x5	33/11	Nov-04	3
74	Paika	Poovanthuruthu	2x5	33/11	Mar-10	5
75	Palakkal	Thrissur	2x5	33/11	Mar-08	3
76	Pallassena	Palakkad	2x5	33/11	Sep-11	3
77	Parappukara	Thrissur	2x5	33/11	Aug-03	4
78	Parappur	Thrissur	2x5	33/11	Oct-08	4
79	Paravoor	Kottarakara	2x5	33/11	Nov-12	4
80	Pariyaram	Thrissur	2x5	33/11	Jul-03	4
81	Pariyaram	Kannur	2x5	33/11	Mar-07	4
82	Pattambi	Palakkad	2x5	33/11	Jan-02	4
83	Pattikadu	Thrissur	2x5	33/11	Aug-03, Jun-15	2
84	Payannur Town	Kannur	2x5	33/11	Aug-06	3
85	Pazhassi	Kannur	2x5	33/11	Aug-06	4
86	Perla	Kannur	2x5	33/11	Mar-09	3
87	Peyad	Thiruvananthapuram	2x5	33/11	Mar-13	3
88	Pookkottumpadam	Malappuram	1x5	33/11	Aug-13	2
89	Poomala	Thrissur	2x5	33/11	Mar-07	3
90	Poovar	Thiruvananthapuram	3x5	33/11	Aug-08, Jul-14	5
91	Pooyappally	Kottarakara	2x5	33/11	Sep-10	4
92	Pulamanthole	Malappuram	1x5	33/11	Nov-04	2
93	Pulpally	Kozhikode	2x5	33/11	Dec-04, Mar-15	2
94	Puthenvelikara	Kalamassery	2x5	33/11	May-06	3
95	Puthiyatheruvu	Kannur	2x5	33/11	Feb-01	3
96	Puthur	Thrissur	2x5	33/11	Mar-01	3
97	Puthur	Kottarakara	2x5	33/11	Aug-10	3

TABLE 34.....

Sl. No	Name of substation	Transmission Circle	Capacity (MVA)	Voltage Ratio (kV)	Year of Commissioning	No. of 11 kV Feeders
98	Puthur	Kannur	2x5	33/11	Mar-03	3
99	Ramanattukara	Kozhikode	2x5	33/11	Nov-09	4
100	Ramapuram	Poovanthuruthu	2x5	33/11	Oct-09, Jun-14	4
101	Ranni-Perunad	Pathanamthitta	1x5	33/11	Jan-11	4
102	Sreekrishnapuram	Palakkad	2x5	33/11	Jan-06	4
103	Senapathy	Poovanthuruthu	1x5	33/11	Oct-14	2
104	Tarur	Palakkad	2x5	33/11	Apr-10	3
105	Thakazhy	Alappuzha	2x5	33/11	Oct-08	2
106	Thambalamanna	Kozhikode	2x5	33/11	Oct-09	3
107	Thazhekkode	Malappuram	1x5	33/11	Nov-02	2
108	Thirunavaya	Malappuram	2x5	33/11	Jul-08	3
109	Thiruvellur	Kozhikode	2x5	33/11	Jun-08, May-14	2
110	Thiruvegappura	Palakkad	1x5	33/11	Jan-14	2
111	Tholambra	Kannur	1x5	33/11	Feb-02	3
112	Thottada	Kannur	2x5	33/11	Apr-02	3
113	Thrikkannapuram (Thavanur)	Malappuram	1x5	33/11	Dec-09	2
114	Thrikkaripur	Kannur	2x5	33/11	Dec-04	4
115	Thrithala	Palakkad	2x5	33/11	Mar-03	4
116	Upputhura	Thodupuzha	2x5	33/11	Jun-09	3
117	Urumi	Kozhikode	1x5	33/11	May-07	3
118	Vadanapilly	Thrissur	2x5	33/11	Dec-04	3
119	Vadikkekara	Kalamassery	3x5	33/11	Aug-05	5
120	Vagamon	Thodupuzha	1x5	33/11	Mar-10	3
121	Vakathanam	Poovanthuruthu	2x5	33/11	Feb-13	4
122	Vallikunnam	Alappuzha	1x5	33/11	Jun-12	2
123	Valluambam	Malappuram	1x5	33/11	Dec-01	3
124	Vannamada	Palakkad	2x5	33/11	Oct-09	3
125	Vannappuram	Thodupuzha	2x5	33/11	Nov-12	4
126	Varappuzha	Kalamassery	2x5	33/11	Jan-08	4
127	Velanthavalam	Palakkad	2x5	33/11	Feb-11	3
128	Vellangallur	Thrissur	2x5	33/11	Mar-06	3
129	Vellannur	Kozhikode	2x5	33/11	Sep-11	3
130	Vellarada	Thiruvananthapuram	2x5	33/11	Aug-11	3
131	Vellikulangara	Thrissur	2x5	33/11	Feb-10	4
132	Vengola	Thodupuzha	2x5	33/11	May-07	3
133	Venjaramoodu	Thiruvananthapuram	2x5	33/11	Mar-10	3
134	Vithura	Thiruvananthapuram	2x5	33/11	Oct-11	3
135	Vydyuthi Bhavan-Palakkad	Palakkad	2x5	33/11	Jul-15	4
136	Wandoor	Malappuram	2x5	33/11	Aug-97, Nov-13	3
137	West Elery	Kannur	1x5	33/11	Feb-07	2
	Total		1270			438
	Grand Total		18779			2124

Note: Substations of generating stations having 11 kV outgoing feeders are included in the list

TABLE 35
LIST OF EHV AND 33 kV TRANSMISSION LINES

Sl. No.	Name of Line	Conductor	Length (ckt.km)
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
	Total		571.96
II. 220 kV Lines			
1	Kanhirode - Mylatty	Kundah	78.62
2	Kanhirode - Thaliparamba	Kundah	28.02
3	Thaliparamba - Mylatty	Kundah	63.04
4	Orkatteri - Kanhirode	Kundah	37.14
5	Areacode - Orkatteri	Kundah	72.45
6	Areacode - Kanhirode	Kundah	108.92
7	Areacode - Kaniyampetta	Kundah	68.18
8	Kaniyampetta - Kadakola (Inter state)	Kundah	92 (25.4 in Kerala)
9	Areacode - Nallalam No.I	Kundah	27.63
10	Areacode - Nallalam No.II	Kundah	27.63
11	Kozhikode - Areacode No. I	Moose	0.23
12	Kozhikode - Areacode No.II	Moose	0.23
13	Kozhikode - Areacode No.III	Moose	0.23
14	Malaparamba - Areacode	Kundah	53.83
15	Shornur - Areacode	Kundah	72.53
16	Elappully - Palakkad No.I	Kundah	3.44
17	Elappully - Palakkad No.II	Kundah	3.44
18	Elappully - Palakkad No.III	Kundah	3.66
19	Elappully - Madakkathara	Kundah	82.53
20	Madakkathara - Areacode	Kundah	93.28
21	Madakkathara - Malaparamba	Kundah	51.17
22	Madakkathara - Palakkad	Kundah	82.26
23	Madakkathara - Shornur	Kundah	29.35
24	Lower Periyar - Madakkathara No.I	Kundah	102
25	Lower Periyar - Madakkathara No.II	Kundah	102
26	Idukki - Lower Periyar No.I	Kundah	35
27	Idukki - Lower Periyar No.II	Kundah	35
28	Idukki - Kalamassery No.I	Kundah	68.8
29	Idukki - Kalamassery No.II	Kundah	68.8
30	Idukki - New Pallom	Kundah	50
31	Idukki - Udumalpet (Inter state)	Kundah	111.6 (84.4 in Kerala)
32	Lower Periyar - Brahmapuram No.I	Kundah	58.46
33	Lower Periyar - Brahmapuram No.II	Kundah	58.46
34	Brahmapuram - Kochi East No.I	Kundah	6.79
35	Brahmapuram - Kochi East No.II	Kundah	6.79
36	Kochi East - Kalamassery No.I	Kundah	14.4
37	Kochi East - Kalamassery No.II	Kundah	14.4

TABLE35.....

Sl. No.	Name of Line	Conductor	Length (ckt.km)
38	Brahmapuram - Ambalamugal No.I	Kundah	4.4
39	Brahmapuram - Ambalamugal No.II	Kundah	4.4
40	Sabarigiri - Ambalamugal	Kundah	123.5
41	Pallom - Ambalamugal	Kundah	56.3
42	Sabarigiri - Pallom	Kundah	67.32
43	New Pallom - Pallom	Twin Moose	0.8
44	Kayamkulam - New Pallom No.I	Zebra	47
45	Kayamkulam - New Pallom No.II	Zebra	47
46	Veeyapuram - Punnapra No.I	Zebra	18.1
47	Veeyapuram - Punnapra No.II	Zebra	18.1
48	Kayamkulam - Edappon	Twin Moose	28.57
49	Kayamkulam - Kundara	Twin Moose	64.91
50	Edamon - Edappon	Twin Moose	67.18
51	Edamon - Kundara	Twin Moose	60.91
52	Sabarigiri - Theni (Inter state)	Kundah	106.5 (44.8 in Kerala)
53	Sabarigiri - Edamon No.I	Kundah	52.89
54	Sabarigiri - Edamon No.II	Kundah	52.93
55	Sabarigiri - Edamon No.III	Kundah	52.93
56	Edamon - Thirunelveli No.I (PGCIL)	Quad Moose	81
57	Edamon - Thirunelveli No.II (PGCIL)	Quad Moose	81
58	Edamon - Pothencode No.I	Kundah	47.69
59	Edamon - Pothencode No.II	Kundah	47.69
60	Pallippuram - Pothencode No.I	Quad Moose	3.49
61	Pallippuram - Pothencode No.II	Quad Moose	3.49
62	Pallippuram - Pothencode No.III	Quad Moose	3.49
63	Pallippuram - Pothencode No.IV	Quad Moose	3.49
	Total		2801.89
III. 110 kV Lines			
1	Manjeswaram - Konaje (Inter state)	Wolf	13.9 (7.4 in Kerala)
2	Kubanur - Manjeswaram	Wolf	12.6
3	Vidyanagar - Kubanur	AAAC	21.7
4	Vidyanagar - Mulleria No.I	Wolf	17.8
5	Vidyanagar - Mulleria No.I	Wolf	17.8
6	Mylatty - Vidyanagar	Tiger	11.9
7	Mylatty - Kanhangad	Tiger	14.8
8	Kanhangad - Cheruvathur	Tiger	22.6
9	Payyannur - Cheruvathur	Tiger	13.6
10	Payyannur - Cherupuzha No.I	Wolf	21.6
11	Payyannur - Cherupuzha No.II	Wolf	21.6
12	Thaliparamba - Payyannur	Wolf	25.6
13	Thaliparamba - Payangadi No.I	Wolf	9.5
14	Thaliparamba - Payangadi No.II	Wolf	9.5
15	Payangadi - Ezhimala No.I	Wolf	7.2
16	Payangadi - Ezhimala No.II	Wolf	7.2
17	Thaliparamba - Mangad	Wolf	10.5
18	Mangad - Azhikode	Wolf	14.2
19	Mundayad - Azhikode	Tiger	13.3

TABLE35.....

Sl. No.	Name of Line	Conductor	Length (ckt.km)
20	Azhikode - WIPL	Wolf	0.23
21	Mundayad - Chowva	Wolf	3.1
22	Chovva-Traction S/s, Kannur South	UG Cable	0.78
23	Kanhirode - Mundayad No.I	Wolf	9.6
24	Kanhirode - Mundayad No.II	Wolf	9.6
25	Kanhirode - Mattannur No.I	Wolf	18.7
26	Kanhirode - Mattannur No.II	Wolf	18.7
27	Mattannur - Iritty No.I	Wolf	13
28	Mattannur - Iritty No.II	Wolf	13
29	Mundayad - Pinarayi	Tiger	11.3
30	Pinarayi - Thalassery	Tiger	9.1
31	Thalassery - Panoor	Tiger	9.1
32	Panoor - Mahe No.I	Wolf	2.4
33	Panoor - Mahe No.II	Wolf	2.4
34	Orkatteri - Panoor	Tiger	11.27
35	Orkatteri - Vadakara No.I	Wolf	8.4
36	Orkatteri - Vadakara No.II	Wolf	8.724
37	Meppayur - Vadakara	Tiger	16.6
38	Koyilandy - Meppayur	Tiger	12
39	West Hill - Koyilandy	Tiger	22.3
40	Chevayoor - West Hill	Tiger	14.2
41	West Hill - GIS, Kozhikode	630Sq.mm Al	7.14
42	Nallalam - Chevayur No.I	Wolf	7.5
43	Nallalam - Chevayur No.II	Wolf	8.2
44	Kakkayam - Chevayur	Wolf	33.9
45	Nallalam - Kunnamangalam	Wolf	19.6
46	Kunnamangalam - Koduvally	Wolf	7.4
47	Kunnamangalam - Agasthiamoozhy No.I	AAAC	9.5
48	Kunnamangalam - Agasthiamoozhy No.II	AAAC	9.5
49	Koduvally - Kakkayam	Wolf	24.3
50	Kakkayam - Chakkittappara	Wolf	9.2
51	Chakkittappara - Nadapuram	Wolf	20
52	Nadapuram - Kanhirode	Wolf	45.3
53	Tap to Kuthuparamba from Parambai	Wolf	13.4
54	Kakkayam - Kuttiady	Wolf	20.2
55	Kuttiady - Kanhirode	Wolf	54.3
56	Nallalam - Steel Complex	Tiger	0.8
57	Nallalam - Chelari	Tiger	14.6
58	Chelari - Keezhissery	Tiger	13
59	Nallalam - Keezhissery	Tiger	20.4
60	Areacode - Keezhissery No.I	Wolf	9.5
61	Areacode - Keezhissery No.II	Wolf	9.5
62	Keezhissery - Malappuram No.I	Tiger	18.1
63	Keezhissery - Malappuram No.II	Wolf	18.1
64	Malappuram - Edarikode	Wolf	13.5
65	Edarikode - Tirur	Wolf	11.7
66	Ponnani - Tirur	Wolf	29.03
67	Kuttippuram - Tirur	Wolf	22.33
68	Malaparamba - Kuttippuram No.I	Wolf	18.1
69	Malaparamba - Kuttippuram No.II	Wolf	18.1
70	Edappal - Kuttippuram	Wolf	26.92

TABLE35.....

Sl. No.	Name of Line	Conductor	Length (ckt.km)
71	Edappal - Ponnani	Wolf	10.37
72	Malaparamba - Malappuram No.I	Tiger	14
73	Malaparamba - Malappuram No.II	Tiger	14
74	Tap to Melattur from MRML No.II	Tiger	20.3
75	Malaparamba - Koppam	Tiger	10
76	Malaparamba - Shornur	Tiger	24
77	Shornur - Koppam	Tiger	14.5
78	Shornur - Edappal	Wolf	31.6
79	Tap to Arangottukara from SHEP feeder	Wolf	0.5
80	Shornur - Koottanad	AAAC	17.86
81	Koottanad - Edappal	AAAC	15.26
82	Shornur - Traction Shornur	Tiger	4.98
83	Shornur - Ottappalam	Wolf	13.6
84	Ottappalam - Vennakkara	Wolf	28.96
85	Shornur - Pathiripala	Wolf	26.3
86	Pathiripala - Parali	Wolf	11.2
87	Parali - Vennakkara	Wolf	9.5
88	Ottappalam - Cherpulassery No.I	Wolf	18.95
89	Ottappalam - Cherpulassery No.II	Wolf	18.95
90	Ottappalam - Vadakkanchery	Wolf	27
91	Ottappalam - Pazhayannur	Wolf	11.2
92	Pazhayannur - Vadakkanchery	Wolf	15.8
93	Palakkad - Vennakkara No.I	Wolf	20.86
94	Palakkad - Vennakkara No.II	Wolf	20.86
95	Vennakkara - Malampuzha	Wolf	10.25
96	Malampuzha - Kalladikode	Wolf	19.25
97	Kalladikode - Mannarkkad	Wolf	14
98	Palakkad - Kozhinjampara	Wolf	10.61
99	Kozhinjampara - Kollengode	Wolf	24.28
100	Palakkad - Kollengode	Wolf	26.5
101	Tap to MPS Steel from PKKE feeder	Wolf	0.05
102	Palakkad - Traction, Kanjikode	Wolf	3.15
103	Palakkad - Kanjikode No.I	Wolf	5.46
104	Palakkad - Kanjikode No.II	Wolf	5.46
105	Tap to Paragon Steel from PKKJ No.II	Wolf	0.05
106	Palakkad - Walayar No.I	Wolf	6.35
107	Palakkad - Walayar No.II	Wolf	6.8
108	Walayar - Malabar Cement No.I	Wolf	4.41
109	Walayar - Malabar Cement No.II	Wolf	4.63
110	Tap to Precot Meridian from WLMC No.II	Wolf	0.22
111	Madakkathara - Shornur	Wolf	30.2
112	Madakkathara - Wadakkanchery	Wolf	15.09
113	Wadakkanchery - Shornur	Wolf	16.56
114	Madakkathara - Athani	Wolf	10.9
115	Athani - Kandassankadavu	Wolf	36.8
116	Madakkathara - Kunnamkulam	Wolf	27.4
117	Kunnamkulam - Guruvayur	Wolf	5.9

TABLE35.....

Sl. No.	Name of Line	Conductor	Length (ckt.km)
118	Guruvayur - Kandassankadavu	Wolf	16.3
119	Kunnamkulam - Punnayurkulam No.I	AAAC	15.2
120	Kunnamkulam - Punnayurkulam No.II	AAAC	15.2
121	Madakkathara - Viyyur No.I	Wolf	10.2
122	Madakkathara - Viyyur No.II	Wolf	10.2
123	Viyyur - Kandassankadavu	Wolf	15.7
124	Viyyur - Pullazhy	Wolf	6.96
125	Pullazhy - Kandassankadavu	Wolf	11.4
126	Tap to Thrissur Corpn. from VIPL feeder	Wolf	1.6
127	Madakkathara - Valappad	Wolf	28.1
128	Madakkathara - Cherpu	Wolf	19.7
129	Cherpu - Irinjalakuda	Wolf	20.84
130	Irinjalakuda - Kattoor	Wolf	7.08
131	Kattoor - Valappad	Wolf	11.16
132	Madakkathara - Kodakara	Wolf	24.2
133	Chalaky - Kodakara	Wolf	7.1
134	Madakkathara - Ollur	Wolf	15.7
135	Chalaky - Ollur	Wolf	24.1
136	Chalaky - Traction S/s, Chalaky	Wolf	2.3
137	Poringalkuthu - Chalaky No.I	Tiger	32.5
138	Poringalkuthu - Chalaky No.II	Tiger	32.5
139	Sholayar - Chalaky	Wolf	53.1
140	Poringalkuthu - Sholayar	Wolf	12.9
141	Idamalayar - Ayyampuzha	Wolf	32
142	Ayyampuzha - Chalaky	Wolf	16.8
143	Idamalayar - Malayattoor	Wolf	28.5
144	Malayattoor - Rayonpuram	Wolf	12
145	Rayonpuram - Perumbavoor	Wolf	1.5
146	Kalamassery - Perumbavoor	Wolf	19.61
147	Tap to GTN Textiles from KLPM feeder	Wolf	0.86
148	Kalamassery - Carborandum	Wolf	33.63
149	Chalaky - Carborandum	Wolf	7.3
150	Kalamassery - Kurumassery	Wolf	20.1
151	Chalaky - Kurumassery	Wolf	30
152	Tap No.I to Aluva from KLCB feeder	Wolf	2
153	Tap No.II to Aluva from KLR feeder	Wolf	2
154	Aluva-KWA	UG	1.61
155	Tap No.I to CIAL from KLCB feeder	Wolf	1.81
156	Tap No.II to CIAL from CHKR feeder	Wolf	1.81
157	Kalamassery - Edappally	Wolf	7
158	Edappally - Kaloor	Wolf	4.43
159	Kalamassery - Kaloor	Wolf	11.9
160	Tap No.I to BSES from KLKA feeder	Wolf	1.3
161	Tap No.II to BSES from KLEP feeder	Wolf	1.3
162	Kalamassery - Edayar No.I	Wolf	4.2
163	Kalamassery - Edayar No.II	Wolf	4.2
164	Tap No.III to BSES from KLED No.I feeder	Wolf	0.8
165	Tap No.IV to BSES from KLED No.II feeder	Wolf	0.8

TABLE35.....

Sl. No.	Name of Line	Conductor	Length (ckt.km)
166	Tap No.I to IAC from KLED No.I feeder	Wolf	0.05
167	Tap No.II to IAC from KLED No.II feeder	Wolf	0.05
168	Edayar - Binani Zinc No.I	Wolf	1.35
169	Edayar - Binani Zinc No.II	Wolf	1.35
170	Edayar - North Paravur No.I	Wolf	9.41
171	Edayar - North Paravur No.II	Wolf	9.41
172	Kalamassery - Vyttila	Wolf	11.58
173	Kalamassery - Aroor	Wolf	23.5
174	Kalamassery - Panangad	Wolf	17
175	Panangad - Aroor	Wolf	6.5
176	Aroor - Mattanchery	Wolf	9.1
177	Mattanchery - Chellanam	Wolf	11.1
178	Kalamassery - FACT (UD) No.I	Wolf	5
179	Kalamassery - FACT (UD) No.II	Wolf	5
180	Tap No.I to TCC from KLFA No.I feeder	Wolf	0.8
181	Tap No.II to TCC from KLFA No.II feeder	Wolf	0.8
182	Kalamassery - Brahmapuram No.I	Wolf	11.6
183	Kalamassery - Brahmapuram No.II	Wolf	11.6
184	Kalamassery - Brahmapuram No.III	Wolf	11.6
185	Kalamassery - Brahmapuram No.IV	Wolf	11.6
186	Tap No.I to CSEZ from KLBR No.I feeder	Wolf	0.05
187	Tap No.II to CSEZ from KLBR No.II feeder	Wolf	0.05
188	Tap to Co-op. Med. College from KLBR No.II	Wolf	0.04
189	Brahmapuram - Kadavanthara	Wolf	10.77
190	Brahmapuram - New Vyttila	Wolf	7.3
191	New Vyttila - Kadavanthara	Wolf	3.47
192	Kadavanthara - Traction S/s, Kadavanthara	UG Cable	0.15
193	Kadavanthara - Willington Island No.I	UG Cable + OH	3.47
194	Kadavanthara - Willington Island No.II	UG Cable + OH	2.3
195	Willington Island - Port Trust	UG Cable	2.31
196	Brahmapuram - KINFRA No.I	Wolf	1.85
197	Brahmapuram - KINFRA No.II	Wolf	1.85
198	Brahmapuram - FACT (CD) No.I	Wolf	3.8
199	Brahmapuram - FACT (CD) No.II	Wolf	3.8
200	Tap to Petronet from BRFA No.I feeder	Wolf	2.81
201	Tap to BPCL from BRFA No.II feeder	Wolf	2.81
202	Brahmapuram - Piravom	Wolf	19.64
203	Piravom - Vaikom	Wolf	10
204	Brahmapuram - Kandanad	Wolf	11.64
205	Kandanad - Vaikom	Wolf	18
206	Tap No.I to HNL from BRVK feeder	Wolf	8.7
207	Tap No.II to HNL from KNVK feeder	Wolf	8.7
208	Tap No.I to Piravom from HNL Tap No.I	Wolf	7.7
209	Tap No.II to Piravom from HNL Tap No.II	Wolf	7.7
210	Kalamassery - Moovattupuzha	Lynx	26.4
211	Kalamassery - Kizhakambalam	Wolf	9.53
212	Kizhakambalam - Moovattupuzha	Wolf	16.87

TABLE35.....

Sl. No.	Name of Line	Conductor	Length (ckt.km)
213	Tap No.I to Rubber Park from KLMV feeder	Wolf	2.1
214	Tap No.II to Rubber Park from KZMV feeder	Wolf	2.1
215	Moovattupuzha - Myloor (Pothanikad)	Lynx	10.56
216	Myloor (Pothanikad) - Adimali	Lynx	34.92
217	Neriamangalam - Adimali	Lynx	10.49
218	Neriamangalam - Moovattupuzha	Lynx	51
219	Neriamangalam - Kuthungal No.I	Wolf	16.5
220	Neriamangalam - Kuthungal No.II	Wolf	16.5
221	Panniar - Sengulam No.I	Wolf	0.5
222	Panniar - Sengulam No.II	Wolf	0.5
223	Neriamangalam - Sengulam	Lynx	5.8
224	Neriamangalam - Pala	Wolf	37.8
225	Sengulam - Udumpanoor	Wolf	18.5
226	Udumpanoor - Erattupetta	Wolf	28.4
227	Erattupetta - Pala	Wolf	15.9
228	Pala - Ayarkunnam No.I	Wolf	13.5
229	Pala - Ayarkunnam No.II	Wolf	13.5
230	Pallom - Ayarkunnam	Wolf	14.9
231	Ayarkunnam - MRF	Wolf	6.3
232	MRF - Pallom	Wolf	8.6
233	Pallom - Punnapra	Wolf	26.8
234	Pallom - Chengalam	Wolf	14.1
235	Chengalam - Punnapra	Wolf	29.4
236	Punnapra - Edathua No.I	Wolf	15.7
237	Punnapra - Edathua No.II	Wolf	15.7
238	Punnapra - Traction S/s, Punnapra	Wolf	0.47
239	Punnapra - Autocast (SILK)	Wolf	26.6
240	LILO to Kodimatha from Pallom-Punnapra feeder	Wolf	7.6
241	Autocast (SILK) - Chellanam	Wolf	36.1
242	Tap to SL Puram from ACCL feeder	Wolf	0.05
243	Aroor - Thykkattussery	Wolf	15.6
244	Thykkattussery - Punnapra	Wolf	43.9
245	Tap to SL Puram from TKPU feeder	Wolf	0.05
246	Pallom - Thrikodithanam	Wolf	12.5
247	Tap to Chingavanam Traction from PLTN feeder	Wolf	1.7
248	Tap to TECIL from PLTN feeder	Wolf	2.12
249	Thrikodithanam - Chengannoor	Wolf	20.5
250	Pallom - Mallappally	Wolf	32.2
251	Mallappally - Chengannoor	Wolf	24.3
252	Chengannoor - Edappon No.I	Wolf	14.1
253	Chengannoor - Edappon No.II	Wolf	14.1
254	Edappon - Pathanamthitta No.I	Wolf	23.1
255	Edappon - Pathanamthitta No.II	Wolf	23.1
256	Pathanamthitta - Ranni	Wolf	25.38
257	Kozhenchery - Ranni	Wolf	13.4
258	Pathanamthitta - Kozhenchery	Wolf	11.9
259	Kakkad - Pathanamthitta	Wolf	28.7
260	Kakkad - Karikkayam	Wolf	10.6

TABLE35.....

Sl. No.	Name of Line	Conductor	Length (ckt.km)
261	Karikkayam - Maniyar	Wolf	3.9
262	Maniyar - Pathanamthitta	Wolf	18
263	Edappon - Kayamkulam	Wolf	18.5
264	Edappon - Mavelikkara	Wolf	14
265	Mavelikkara - Kayamkulam	Wolf	14
266	Edappon - Sasthamkotta	Wolf	18.5
267	Edappon - Kundara	Wolf	31
268	Tap to Sasthamkotta from EPKD feeder	Wolf	0.5
269	Sasthamkotta - KMML	Wolf	18.1
270	Chavara - KMML	Wolf	5.5
271	Kundara - Chavara	Wolf	26
272	Chavara - Kavanad No.I	Wolf	9.1
273	Chavara - Kavanad No.II	Wolf	9.1
274	Kundara - Traction Perinad No.I	Wolf	7
275	Kundara - Traction Perinad No.II	Wolf	7
276	Punalur - Kundara	Wolf	33.6
277	Punalur - Kottarakkara	Wolf	20.1
278	Kottarakkara - Kundara	Wolf	13.5
279	Kundara - Ayathil No.I	Wolf	13
280	Kundara - Ayathil No.II	Wolf	13
281	Kundara - Parippally No.I	Wolf	24
282	Kundara - Parippally No.II	Wolf	24
283	Tap No.I to Traction Substation Perinad	Wolf	2.8
284	Tap No.II to Traction Substation Perinad	Wolf	1.2
285	Kundara-Technopark	UG	2.6
286	Kottiyam - Kundara	Wolf	16.9
287	Ambalappuram - Kottiyam	Wolf	18.9
288	Edamon - Ambalappuram	Wolf	29
289	Edamon - Punalur No.I	Wolf	9.89
290	Edamon - Punalur No.II	Wolf	9.89
291	Punalur - Pathanapuram	Wolf	12.25
292	Pathanapuram - Koodal	Wolf	8.23
293	Punalur - Koodal	Wolf	19.5
294	Tap to Paper Mill from PNKU feeder	Wolf	1.4
295	Edamon - Paruthippara	Wolf	54
296	Edamon - Kilimanoor	Wolf	33.9
297	Kilimanoor - Paruthippara	Wolf	39.9
298	Pothencode - Paruthippara No.I	Wolf	10.39
299	Pothencode - Paruthippara No.II	Wolf	10.39
300	Paruthippara - Medical College No.I	Wolf	2.87
301	Paruthippara - Medical College No.II	Wolf	2.87
302	Pothencode - Attingal No.I	Wolf	10.2
303	Pothencode - Attingal No.II	Wolf	10.2
304	Attingal - Paripally No.I	Wolf	15.3
305	Attingal - Paripally No.II	Wolf	15.3
306	Paripally - Varkala No.I	Wolf	9.8
307	Paripally - Varkala No.II	Wolf	9.8
308	Pothencode - Technopark No.I	Wolf	5.87
309	Pothencode - Technopark No.II	Wolf	5.87
310	Technopark - TERLS No.I	Wolf	4.53

TABLE35.....

Sl. No.	Name of Line	Conductor	Length (ckt.km)
311	Technopark - TERLS No.II	Wolf	4.53
312	Tap to Technopark Ph.II from TPTE No.I	Wolf	0.05
313	Kazhakkuttam - Traction S/s, Kazhakkuttam	Wolf	0.87
314	Pothencode - Kattakkada	Wolf	29.7
315	Pothencode - Aruvikkara	Wolf	19.2
316	Aruvikkara - Kattakkada	Wolf	11.71
317	Tap No.I to Nedumangad from PCAV feeder	Wolf	0.2
318	Tap No.II to Nedumangad from PCKK feeder	Wolf	0.2
319	Kattakkada - Thirumala No.I	Wolf	9.24
320	Kattakkada - Thirumala No.II	Wolf	9.24
321	Kattakkada - Parassala No.I	Wolf	18.98
322	Kattakkada - Parassala No.II	Wolf	18.98
323	Parassala - Kuzhithura (Inter state)	Mink	4.83
	Total		4345.52
IV. 66 kV Lines			
1	Mundayad - Sreekanapuram No.I	Dog	27.2
2	Mundayad - Sreekanapuram 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
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 Mankavu from NLKT feeder	Dog	1.98
18	Mankavu - Puthiyara	400 Sq.mm XLPE	3.2
19	Chevayur - Puthiyara	400 Sq.mm XLPE	4.4
20	Malappuram - Manjeri	Dog	14.05
21	Malappuram - Perinthalmanna	Mink	17.4
22	LILO to Mankada from MAP feeder	Mink	3.04
23	Manjeri - Nilambur	Mink	24.18
24	Nilambur - Edakkara	Wolf	12.75
25	Vennakkara - Kanjikode No.I	Dog	12.97
26	Vennakkara - Kanjikode No.II	Dog	12.97
27	LILO to Palakkad Medical College	Mink	4.5
28	Tap to PRECOT Mills from VNKJ No.I feeder	Dog	1.0
29	Vennakkara - Nemmara	Mink	20.94
30	Tap to Kannampully from VNNM feeder	Mink	0.05
31	Kanjikode - Chittoor No.I	Dog	15.58
32	Kanjikode - Chittoor No.II	Dog	15.58
33	Tap to INDSIL from KJCI No.I feeder	Dog	0.1
34	Kanjikode - MCL Quarry	Mink	23.45

TABLE35.....

Sl. No.	Name of Line	Conductor	Length (ckt.km)
35	Tap to SEPR from KJMQ feeder	Mink	1.1
36	Kanjikode - ITI	Mink	0.36
37	Viyyur - Puthukkad	AAAC	17
38	Viyyur - Ollur	AAAC	10.7
39	Tap to Thrissur Municipality from VIOL feeder	Dog	2.1
40	Chalakkudy - Puthukkad	AAAC	17.5
41	LILO to Puthukad	Wolf	5.4
42	Chalakkudy - Ollur	AAAC	23.8
43	Tap No.I to Appollo Tyres from CHPD feeder	Mink	0.75
44	Tap No.II to Appollo Tyres from CHOL feeder	Mink	0.75
45	Chalakkudy - Kodungallur	Mink	21
46	Chalakkudy - OSSIGN	Mink	7.5
47	OSSIGN - Mala	Mink	6.6
48	Mala - Kodungallur	Mink	7.9
49	Aluva - Angamaly	Mink	10.1
50	Chalakkudy - Angamaly	Mink	16.68
51	Tap No.I to Karukutty from CHAN feeder	Mink	0.15
52	Tap No.II to TELK from CHAN feeder	Mink	0.35
53	Chalakkudy - Aluva	Mink	26.78
54	Tap to Madura Coats from CHAL feeder	Copper	0.85
55	Tap No.II to Karukutty from CHAL feeder	Mink	0.15
56	Tap No.I to TELK from CHAL feeder	Mink	0.35
57	Aluva - North Paravur	Mink	13.35
58	Aluva - Edayar	Mink / Copper	5.65
59	Edayar - North Paravur	Mink	9.7
60	Aluva - Kothamangalam No.I	Copper	31
61	Aluva - Kothamangalam No.II	Copper	31
62	Tap No.I to Perumbavoor from ALKM No.I feeder	Mink	1.8
63	Tap No.II to Perumbavoor from ALKM No.II feeder	Mink	1.8
64	Perumbavoor - Travancore Rayons No.I	Mink	1.3
65	Perumbavoor - Travancore Rayons No.II	Mink	1.3
66	Aluva - Kizhakambalam	Dog	12.06
67	Kalamassery - Aluva	Dog	5.88
68	Tap to Edamula KRL Pumphouse from KLAL feeder	Dog	1.9
69	Kalamassery - Premier Tyres No.I	Wolf	2
70	Kalamassery - Premier Tyres No.II	Wolf	2
71	Tap to Carborandum from KLPR No.II feeder	Mink	2.6
72	Kalamassery - Njarakkal No.I	Dog	13.6
73	Kalamassery - Njarakkal No.II	Dog	13.6
74	Tap No.I to Ernakulam North from KLNJ No.I feeder	Dog	4.96
75	Tap No.II to Ernakulam North from KLNJ No.II feeder	Dog	4.96
76	Tap to Mulavukad from KLNJ No.II feeder	Dog	0.1
77	Kalamassery - Vyttila	Tiger	11.93
78	Tap to HMT from KLVT feeder	Mink	0.37
79	Kalamassery - NPOL (Thrikkakara)	Tiger	4.7
80	NPOL (Thrikkakara) - Kakkanad	Tiger	4.02
81	Kakkanad - Vyttila	Tiger	4.5
82	Vyttila - Puthencruz No.I	Dog	17.5

TABLE35.....

Sl. No.	Name of Line	Conductor	Length (ckt.km)
83	Vyttila - Puthencruz No.II	Dog	17.5
84	Tap No.I to HOC from VTPT No.I feeder	Dog	0.3
85	Tap No.II to HOC from VTPT No.II feeder	Dog	0.3
86	Tap No.I to CACIL from VTPT No.I feeder	Dog	1.85
87	Tap No.II to CACIL from VTPT No.II feeder	Dog	1.85
88	Vyttila - Perumanoor	Dog	3.4
89	Vyttila - Panampilly Nagar	Dog	3
90	Panampilly Nagar - Perumanoor	Dog	0.4
91	Perumanoor - Cochin Shipyard	400 Sq.mm XLPE	0.09
92	Perumanoor - Marine Drive	400 Sq.mm XLPE	4.25
93	Kaloor - Marine Drive	400 Sq.mm XLPE	3.8
94	Mattanchery - Fort Kochi No.I	400 Sq.mm XLPE	4.2
95	Mattanchery - Fort Kochi No.II	400 Sq.mm XLPE	4.2
96	Pallivasal - Aluva	Copper	81
97	Pallivasal - Edathala	Copper	77
98	Edathala - Aluva	Copper	4
99	Pallivasal - Kothamangalam	Copper	52
100	Pallivasal - Karimanal	Copper	26.8
101	Karimanal - Kothamangalam	Copper	30.4
102	Tap to Iruttukanam PH from PVKR feeder	Wolf	1.25
103	Kothamangalam - Idamalayar	Mink	22
104	Kothamangalam - Koothattukulam	Copper	23
105	Sengulam - Pallivasal No.I	Copper	24
106	Sengulam - Pallivasal No.II	Copper	24
107	Sengulam - Moolamattom	Mink	36.4
108	Tap to Kulamavu from SGML feeer	Mink	1.35
109	Tap to Vazhathope from SGML feeder 1	Mink	1.9
110	Vazhathope - Nedumkandam	Wolf	25.1
111	Kuyilimala-Vazhathope	Wolf	2.4
112	Kuyilimala-Vazhathope	Wolf	2.4
112	Nedumkandam - Kattappana	Wolf	15.8
113	Moolamattom - Malankara	Dog	16.54
114	Malankara - Thodupuzha	Dog	14.7
115	Moolamattom - Thodupuzha	Dog	29.7
116	Tap to Koothattukulam from MLTD feeder	Mink	11.3
117	Koothattukulam - Kuravilangad	Copper	12
118	Kuravilangad - Ettumanur	Copper	8
119	Ettumanur - Pala	Dog	16.2
120	Vaikom - Ettumanur	Dog	21
121	Vaikom - Cherthala	Dog	22.9
122	Tap to Aroor from VKCT feeder	Dog	13.8
123	Ettumanur - Gandhi Nagar	Dog	8
124	Gandhi Nagar - Pallom	Dog	9
125	Ettumanur - Pallom	Dog	17
126	Tap to Kottayam from ETPL feeder	Dog	0.3
127	Pallom - Pambady	Wolf	12.5
128	Pambady - Kanjirappally	Wolf	16.5
129	Pallom - Kanjirappally	Wolf	28.9
130	Kanjirappally - Mundakkayam	Dog	9
131	Mundakkayam - Peerumedu	Dog	13.5
132	Peerumedu - Vandiperiyar	Dog	11.5
133	Vandiperiyar - Kochu Pampa	Dog	21.8

TABLE35.....

Sl. No.	Name of Line	Conductor	Length (ckt.km)
134	Kochu Pampa - Thriveni No.I	Dog	12.1
135	Kochu Pampa - Thriveni No.II	Dog	12.1
136	Kochu Pampa - Sabarigiri	Dog	14.7
137	Pallom - Kuttanad	Dog	18.54
138	Kuttanad - Alappuzha	Mink	13.8
139	Alappuzha - Pathirappally	Tiger	6.3
140	Pathirappally - Cherthala	Tiger	17.1
141	Punnapra - Alappuzha No.I	Dog	8.9
142	Punnapra - Alappuzha No.II	Dog	8.9
143	Punnapra - Nangiarkulangara	Dog	24.1
144	Mavelikkara - Nangiarkulangara	Dog	9.5
145	Punnapra - Karuvatta	Dog	16.7
146	Karuvatta - Mavelikkara	Dog	17.3
147	Tap to Nangiarkulangara from KVMV feeder	Dog	0.01
148	Pallom - Chumathra	Dog	20
149	Chumathra - Mavelikkara	Dog	21
150	Tap No.I to Changanassery from PLCU feeder	Dog	0.03
151	Tap No.I to Thiruvalla from CUMV feeder	Dog	0.25
152	Pallom - Mavelikkara	Dog	41
153	Tap No.II to Changanassery from PLMV feeder	Dog	0.03
154	Tap No.II to Thiruvalla from PLMV feeder	Dog	0.25
155	Edappon - Mavelikkara No.I	Dog	10.8
156	Edappon - Mavelikkara No.II	Dog	10.8
157	Mavelikkara - Karunagappally	Copper	36
158	Sasthamkotta - Karunagappally	Dog	13
159	Edappon - Adoor No.I	Dog	16
160	Edappon - Adoor No.II	Dog	16
161	Adoor - Pathanamthitta	Mink	12.6
162	Pathanamthitta - Koodal	Mink	11.7
163	Kallada - Edamon No.I	Dog	9.24
164	Kallada - Edamon No.II	Dog	9.24
165	Tap to Thenmala	Mink	0.06
166	Edamon - Anchal	Dog	13
167	Anchal - Ayoor	Dog	8
168	Attingal - Palode	Mink	19.4
169	Paruthippara - Veli	Dog	10.91
170	Tap to TTP from PPVL feeder	Dog	1.1
171	Paruthippara - TERLS	Dog	8.29
172	TERLS - Veli	240 Sq.mm XLPE	4.8
173	Veli - Airport No.I	240 Sq.mm XLPE	4.3
174	Veli - Airport No.II	240 Sq.mm XLPE	4.3
175	Paruthippara - LA Complex	400 Sq.mm XLPE	4.3
176	LA Complex - Powerhouse	400 Sq.mm XLPE	3.5
177	Powerhouse - Thirumala	400 Sq.mm XLPE	6.8
178	Paruthippara - Vattiyoorkavu	Mink	8.13

TABLE35.....

Sl. No.	Name of Line	Conductor	Length (ckt.km)
179	Vattiyoorkavu - Thirumala	Mink	7.08
180	Thirumala - Balaramapuram	Mink	8.89
181	Paruthippara - Balaramapuram	Mink	17.58
182	Tap to Vizhinjam from PPBL feeder	Mink	10
183	Balaramapuram - Neyyattinkara No.I	Mink	4.04
184	Balaramapuram - Neyyattinkara No.II	Mink	4.04
185	Neyyattinkara - Parassala No.I	Dog	10.2
186	Neyyattinkara - Parassala No.II	Dog	10.2
	Total		2220.56
V. 33 kV Lines			
1	Vidyanagar - Ananthapuram	Dog	9.3
2	Mulleria - Perla	Dog	15.8
3	Mulleria - Badiyadka	Dog	12.5
4	Kanhangad - Belur	Dog	11.5
5	Kanhangad - Neeleswaram	Dog	10.5
6	Cheruvathur - West Elery	Dog	17.5
7	Cheruvathur - Thrikkarippur	Dog	11.2
8	Payyannur - Payyannur Town	Dog	5.3
9	Thaliparamba - Pariyaram (Kannur)	Dog	9.2
10	Thaliparamba - Nadukani No.I	Dog	12.5
11	Thaliparamba - Nadukani No.II	Dog	12.5
12	Nadukani - Alakode	Dog	16.7
13	Azhikode - Kannur Town	Dog	5.3
14	Mattannur - Kuyiloor (KWA) No.I	Dog	4.6
15	Mattannur - Kuyiloor (KWA) No.II	Dog	4.6
16	Mundayad - Puthiyatheru	Dog	6.5
17	Mundayad - Thottada	Dog	8.8
18	Pinarayi - Thottada	Dog	10.5
19	Pinarayi - Dharmadom	Dog	5.5
20	Pinarayi - Tholambra	Dog	31.7
21	Iritty-Barapole 1	UG	14.7
22	Iritty-Barapole 2	UG	14.7
23	Kanhirode - Kuttiyattoor	Dog	8.9
24	Kanhirode - Pazhassi	Dog	18.7
25	Panoor - Puthur (Kannur)	Dog	8.9
26	Panoor - Kodyyeri	Dog	6.5
27	Vadakara - Thiruvallur	Dog	9.6
28	Meppayur - Melady	Dog	9.4
29	Koyilandi - Balussery	Dog	12.5
30	Kaniyampetta - Padinjarethara	Dog	17.8
31	Kaniyampetta - Meenangadi	Dog	11.5
32	Kaniyampetta - Kalpetta	Dog	10.8
33	Kaniyampetta - Pulpally	Dog	26
34	Agastyamoozhi - Vellannur	Dog	8.3
35	Agastyamoozhi - Thambalamanna No.I	Dog	8.6
36	Agastyamoozhi - Thambalamanna No.II	Dog	8.6
37	Thambalamanna - Chembukadavu-II PH	Dog	11
38	Chembukadavu-II PH - Chembukadavu-I PH	Dog	1.1
39	Thambalamanna - Urumi	Dog	5.3

TABLE35.....

Sl. No.	Name of Line	Conductor	Length (ckt.km)
40	Urumi - Urumi-II PH	Dog	0.2
41	Urumi-II PH - Urumi-I PH	Dog	0.82
42	Kuttiyadi - Poozhithodu PH	Dog	14
43	Vilangad HEP-Nadapuram	300 Sq.mm XLPE	14.5
44	Chelari - KINFRA No.I	Dog	2.5
45	Chelari - KINFRA No.II	Dog	2.5
46	Tap to Ramanattukara from CLRA No.I feeder	Dog	5.92
47	Keezhissery - Chelari	Dog	14
48	Keezhissery - Valluvambram	Dog	8
49	Keezhissery - Edavanna	Dog	19
50	Edavanna - Wandoor	Dog	12.5
51	Wandoor - Kalikavu	Dog	14
52	Melattur - Wandoor	Dog	18.7
53	Melattur - Thazhekode	Dog	23
54	Tap to Alanellur from METZ feeder	Dog	6
55	Malappuram - Valluvambram	Dog	11.3
56	Malappuram - Makkaraparamba	Dog	8.7
57	Nilambur - Pookkottumpadam	Dog	7.8
58	Nilambur - Adyanpara SC line	Dog	13.5
59	Kuttipuram - Thirunavaya	Dog	16.5
60	Kuttipuram - Vairamkode	Dog	11
61	Edarikode - Thirunavaya	Dog	23
62	Edarikode - Othukungal	Dog	8.1
63	Edarikode - Kooriyad (Kakkad)	Dog	8
64	Thirunavaya - Thrikkannapuram (Thavanur)	Dog	3.1
65	Makkaraparamba - Pulamanthole	Dog	16
66	Koppam - Thazhekode	Dog	18
67	Tap to Pulamanthole from KPTZ feeder	Dog	2
68	Koppam - Pattambi	Dog	10.1
69	Koppam - Thiruvegappura	Dog	13.2
70	Mannarkkad - Agali No.I	Dog	28.5
71	Mannarkkad - Agali No.II	Dog	28.5
72	Mannarkkad - Alanellur	Dog	16.2
73	Parali - Sreekrishnapuram	Dog	30
74	Parali - Kongad	Dog	12
75	Parali - Maniyampara	Dog	8
76	Vennakkara- Palakkad Vydhyuthi Bhavan	UG Cable + OH	5
77	Koottanad - Thrithala	Dog	5.3
78	Koottanad - Chalisery	Dog	4.5
79	Kollenkode - Nelliampathy	Dog	9.5
80	Kollenkode - Muthalamada	Dog	9.7
81	Kollenkode - Koduvayur	Dog	11.7
82	Kollenkode - Pallassena	Dog	8.7
83	Kozhinjampara - Vannamada	Dog	4
84	Kozhinjampara - Velanthavalam	Dog	9.2
85	Kozhinjampara - Meenakshipuram	Dog	16
86	Vadakkenchery - Alathur	Dog	13.6
87	Vadakkenchery - Chittadi	Dog	12.5
88	Vadakkenchery - Tarur	Dog	11

TABLE35.....

Sl. No.	Name of Line	Conductor	Length (ckt.km)
89	Viyyur - Poomala	Dog	11
90	Viyyur - Parappur No.I	Dog	13
91	Viyyur - Parappur No.II	Dog	13
92	Cherpu - Chirakkal	Dog	5.8
93	Cherpu - Palakkal	Dog	5.4
94	Wadakkanchery - Mulloorkara	Dog	7.5
95	Mulloorkara - Chelakkara	Dog	8.4
96	Ollur - Puthur (Thrissur)	Dog	4.3
97	Ollur - Pattikkad	Dog	16
98	Kunnankulam - Kongannur	Dog	9.4
99	Guruvayoor - Chavakkad	Dog	6.7
100	Athani - Erumappetty	Dog	13
101	Athani - Munderoor	Dog	8
102	Kandassankadavu - Vadanappilly	Dog	4.2
103	Kandassankadavu - Mullassery	Dog	7.6
104	Valappad - Anthikadu No.I	Dog	6.2
105	Valappad - Anthikadu No.II	Dog	6.2
106	Valappad - Kaipamangalam No.I	Dog	10.7
107	Valappad - Kaipamangalam No.II	Dog	10.7
108	Kaipamangalam - Anchangady No.I	Dog	8.6
109	Kaipamangalam - Anchangady No.II	Dog	8.6
110	Anchangady - Methala	Dog	9.6
111	Irinjalakuda - Vellangallur	Dog	6.6
112	Irinjalakuda - Parappukara No.I	Dog	11.6
113	Irinjalakuda - Parappukara No.II	Dog	11.6
114	Chalakudy - Kallettumkara	Dog	11.8
115	Chalakudy - Pariyaram (Thrissur)	Dog	7.8
116	Chalakudy - Koratty	Dog	6.9
117	Chalakudy - Vellikulangara	Dog	12.9
118	Kurumassery 110 - Kurumassey 33	Dog	1.2
119	Kurumassery - Puthenvelikkara	Dog	7.2
120	Kurumassery-Annamanada	Dog	9.1
121	Perumbavoor - Kurupampady	Dog	8.5
122	Perumbavoor - Vengola	Dog	4.8
123	Malayattoor - Koovapady	Dog	4.2
124	Malayattoor - Kalady	Dog	6.3
125	North Parur - Vadakkekara	Dog	9.3
126	North Parur - Varappuzha	Dog	8.5
127	North Parur - Alangad	Dog	9
128	Kaloor - Lulu Mall No.I	300 Sq.mm XLPE	5.38
129	Kaloor - Lulu Mall No.II	300 Sq.mm XLPE	5.38
130	Kaloor - Lulu Mall No.III	300 Sq.mm XLPE	5.38
131	Moovattupuzha - Mazhuvannur	Dog	4.8
132	Moovattupuzha - Kalloorkkad	Dog	14
133	Nedumkandam - Ramakkalmedu No.I	Dog	8
134	Nedumkandam - Ramakkalmedu No.II	Dog	8
135	Kuthunkal-Senapathy	Dog	16.79
136	Peerumedu - Vagaman	Dog	17

TABLE35.....

Sl. No.	Name of Line	Conductor	Length (ckt.km)
137	Peerumedu - Upputhara	Dog	21.5
138	Mundakkayam - Koottikkal	Dog	8.09
139	Udumpannoor - Vannapuram	Dog	17
140	Pala - Ramapuram	Dog	10
141	Pala - Paika	Dog	10
142	Pala - Kidangoor	Dog	9.6
143	Vaikom - Kaduthuruthy No.I	Dog	10
144	Vaikom - Kaduthuruthy No.II	Dog	10
145	Thrikodithanam - Vakathanam	300sq.mmXLPE+Dog	8.7
146	Mallappally - Karukachal	Dog	7.1
147	Mallappally - Kumbanad	Dog	10.5
148	Thycattussery - Kuthiyathodu No.I	Dog	6
149	Thycattussery - Kuthiyathodu No.II	Dog	6
150	Punnapra - Thakazhy	Dog	11.4
151	Chengannur - Mannar	Dog	11.3
152	Kayamkulam - Oachira	Dog	11
153	Edappon - Kattanam	Dog	9.2
154	Kattanam - Vallikunnam	Dog	8.5
155	Pathanamthitta - Konny	Dog	8.3
156	Pathanamthitta - Ranni Perinad	Dog	18.6
157	Ambalappuram - Ezhukone	Dog	4.6
158	Ambalappuram - Chengamanad	Dog	12.5
159	Ambalappuram - Puthur (Kollam)	Dog	10.4
160	Ambalappuram - Pooyappally	Dog	11.2
161	Kottiyam - Adichanallur	Dog	10
162	Kottiyam - Paravoor	Dog	4.7
163	Kottiyam - Kannanallur	Dog	8
164	Attingal - Venjaramoodu	Dog	10.4
165	Attingal - Kadakkavur	Dog	11
166	Kilimanoor - Kadakkal	Dog	9.5
167	Kilimanoor - Kallambalam	Dog	15
168	Thirumala - Karamana	300 sq.mm XLPE	4.5
169	Thirumala - Peyad	300 sq.mm XLPE	7
170	Nedumangad - Chullimanur	Dog	5.8
171	Nedumangad - Vithura No.I	Dog	12.6
172	Nedumangad - Vithura No.II	300 sq.mm XLPE	12.6
173	Vithura - IISER	300 sq.mm XLPE	13.4
174	Parassala - Poovar	Dog	15.5
175	Parassala - Vellarada	Dog	14.5
	Total		1826.66

TABLE 36
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			
			2009-10	2010-11	2011-12	Total		2012-13	2013-14	2014-15	2015-16
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
2	Wind Projects (MW)	3.75	1.95	3.60	-	5.55	-	-	-	-	8.4
3	Co-generation Projects (MW)	-	-	10.00	-	10.00	-	-	-	-	-
4	Gas based project (MW)	-	-	-	-	-	350.00	-	-	-	-
5	Solar projects (MW)	-	-	-	-	-	-	-	-	-	14.16
	Total	610.15	8.20	116.60	8.80	133.60	598.05	2.86	10.50	18.55	44.56
B. TRANSMISSION											
1	220 kV Substations (Nos)	6	2	-	-	2	9	1	-	1	-
2	110 kV Substations (Nos)	54	9	5	3	17	60	1	5	1	8
3	66 kV Substations (Nos)	6	-	1	-	1	12	1	1	-	3
4	33 kV Substations (Nos)	55	18	7	7	32	47	8	4	1	3
5	220 kV Lines (km)	102.46	18.26	-	-	18.26	227	26.87	-	36.2	0.69
6	110 kV Lines (km)	672.55	48.302	34.22	0.89	83.412	1216	27.55	112.59	39.4	66.67
7	66 kV Lines (km)	275.24		-	-	0	20	4.60	-	0	6
8	33 kV Lines (km)	621.57	199.22	63.6	81	343.82	600	64.90	71.44	42.29	66.79
C. DISTRIBUTION											
1	Service Connections (Nos)	23,50,000	4,47,817	4,42,889	4,13,682	13,04,388	21,08,130	4,03,421	4,15,216	4,22,238	3,81,247
2	11 kV lines (km)	16,556	3,398	3,659	2,986	10,043	15,855	1,579	1,884	1,807	2,022
3	LT lines (km)	19,270	7,838	6,761	4,105	18,704	26,900	3,066	3,735	4,636	3,312
4	Distribution Transformers (Nos)	11,790	5,790	5,804	4,479	16,073	18,543	2,643	3,200	3,547	2,389
5	Faulty Meter Replacement (Nos)	17,06,645	10,13,517	7,08,556	6,10,368	23,32,441	45,31,316	6,51,072	10,39,790	8,40,691	6,60,735

TABLE 37

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

Region	Sector	Mode wise breakup							Total
		Thermal				Nuclear	Hydro	Renewable	
		Coal	Gas	Diesel	Total				
Northern Region	State	17038	2879.2	0	19917.2	0	7502.55	651.06	28070.81
	Private	16606	108	0	16714	0	2478	7515.86	26707.86
	Central	12000.5	2344.06	0	14344.56	1620	8266.22	0	24230.78
	Sub total	45644.5	5331.26	0	50975.76	1620	18246.77	8166.92	79009.45
Western Region	State	22800	2993.82	0	25793.82	0	5480.5	311.18	31585.5
	Private	36455	4288	0	40743	0	447	13386.97	54576.97
	Central	12898.01	3533.59	0	16431.6	1840	1520	0	19791.6
	Sub total	72153.01	10815.41	0	82968.42	1840	7447.5	13698.15	105954.07
Southern Region	State	16882.5	556.58	362.52	17801.6	0	11558.03	488.37	29848
	Private	7670	5557.5	554.96	13782.46	0	0	15724.81	29507.27
	Central	11890	359.58	0	12249.58	2320	0	0	14569.58
	Sub total	36442.5	6473.66	917.48	43833.64	2320	11558.03	16213.18	73924.85
Eastern Region	State	7540	100	0	7640	0	3168.92	225.11	11034.03
	Private	8731.38	0	0	8731.38	0	195	244.43	9170.81
	Central	14351.49	90	0	14441.49	0	925.2	0	15366.69
	Sub total	30622.87	190	0	30812.87	0	4289.12	469.54	35571.53
North Eastern Region	State	60	445.7	36	541.7	0	382	253.25	1176.95
	Private	0	24.5	0	24.5	0	0	9.37	33.87
	Central	250	1228.1	0	1478.1	0	860	0	2338.1
	Sub total	310	1698.3	36	2044.3	0	1242	262.62	3548.92
Islands	State	0	0	40.05	40.05	0	0	5.25	45.3
	Private	0	0	0	0	0	0	5.85	5.85
	Central	0	0	0	0	0	0	0	0
	Sub total	0	0	40.05	40.05	0	0	11.1	51.15
All India	State	64320.5	6975.3	438.57	71734.37	0	28092	1934.22	Err:522
	Private	69462.38	9978	554.96	79995.34	0	3120	36887.29	Err:522
	Central	51390	7555.33	0	58945.33	5780	11571.42	0	Err:522
	Sub total	185172.88	24508.63	993.53	210675.04	5780	42783.42	38821.51	Err:522

TABLE 38
ALL INDIA INSTALLED GENERATION CAPACITY (MW) OF POWER UTILITIES (State wise)

State / UT / Utilities	Mode wise breakup							Total
	Thermal				Nuclear	Hydro	Renewable	
	Coal	Gas	Diesel	Total				
Delhi	5001.87	2366.01	0	7367.88	122.08	822.05	34.71	8346.72
Haryana	6527.53	560.29	0	7087.82	109.16	1456.83	138.6	8792.41
Himachal Pradesh	152.02	61.88	0	213.9	34.08	3421.51	754.8	4424.29
Jammu & Kashmir	329.32	304.14	0	633.46	77	2255.21	156.53	3122.20
Punjab	8304.88	288.92	0	8593.8	208.04	3145.13	508.47	12455.44
Rajasthan	9400.72	825.03	0	10225.75	573	1719.3	5265.84	17783.89
Uttar Pradesh	14518.95	549.97	0	15068.92	335.72	2168.3	1058.6	18631.54
Uttarakhand	399.5	69.35	0	468.85	22.28	2441.82	244.33	3177.28
Chandigarh	32.54	15.32	0	47.86	8.84	62.32	5.04	124.06
Central unallocated	977.19	290.35	0	1267.54	129.8	754.3	0	2151.64
Total Northern Region	45644.52	5331.26	0	50975.78	1620	18246.77	8166.92	79009.47
Goa	338.6	48	0	386.6	25.8	0	0.05	412.45
Daman & Diu	43.38	4.2	0	47.58	7.38	0	0	54.96
Gujarat	16500.62	6806.09	0	23306.71	559.32	772	4973.15	29611.18
Madhya Pradesh	11959.05	257.18	0	12216.23	273.24	3223.66	1930.83	17643.96
Chattisgarh	14982.54	0	0	14982.54	47.52	120	390.08	15540.14
Maharashtra	26478.26	3475.93	0	29954.19	690.14	3331.84	6400.04	40376.21
Dadra & Nagar Haveli	54.22	27.1	0	81.32	8.46	0	0	89.78
Central unallocated	1796.35	196.91	0	1993.26	228.14	0	0	2221.40
Total Western Region	72153.02	10815.41	0	82968.43	1840	7447.5	13694.15	105950.08
New Andhra Pradesh	7549.21	3182.65	16.97	10748.83	127.16	1758.87	2192.6	14827.46
Telangana	6798.47	1697.75	19.83	8516.05	148.62	2135.66	91.45	10891.78
Karnataka	7908.46	0	234.42	8142.88	475.86	3599.8	4818.88	17037.42
Kerala	1038.69	533.58	234.6	1806.87	228.6	1881.5	246.05	4163.02
Tamilnadu	11275.1	1027.18	411.66	12713.94	986.5	2182.2	8864.17	24746.81
NLC	100.17	0	0	100.17	0	0	0	100.17
Pondicherry	249.32	32.5	0	281.82	52.78	0	0.03	334.63
Central unallocated	1523.08	0	0	1523.08	300.48	0	0	1823.56
Total Southern Region	36442.5	6473.66	917.48	43833.64	2320	11558.03	16213.18	73924.85

Table 38 continued

Table38.....

State / UT / Utilities	Mode wise breakup							Total
	Thermal				Nuclear	Hydro	Renewable	
	Coal	Gas	Diesel	Total				
Bihar	2741.24	0	0	2741.24	0	129.43	114.12	2984.79
Jharkhand	2404.93	0	0	2404.93	0	200.93	20.05	2625.91
West Bengal	8423.83	100	0	8523.83	0	1328.3	131.71	9983.84
DVC	8260.66	90	0	8350.66	0	193.26	0	8543.92
Odisha	7103.04	0	0	7103.04	0	2166.93	151.55	9421.52
Sikkim	92.1	0	0	92.1	0	270.27	52.11	414.48
Central unallocated	1597.07	0	0	1597.07	0	0	0	1597.07
Total Eastern Region	30622.87	190	0	30812.87	0	4289.12	469.54	35571.53
Assam	187	718.62	0	905.62	0	429.72	34.11	1369.45
Arunachal Pradesh	12.35	43.06	0	55.41	0	97.57	104.88	257.86
Meghalaya	17.7	105.14	0	122.84	0	356.58	31.03	510.45
Tripura	18.7	574.42	0	593.12	0	62.37	21.01	676.50
Manipur	15.7	67.98	36	119.68	0	80.98	5.45	206.11
Nagaland	10.7	46.35	0	57.05	0	53.32	29.67	140.04
Mizoram	10.35	38.29	0	48.64	0	34.31	36.47	119.42
Central unallocated	37.5	104.44	0	141.94	0	127.15	0	269.09
Total North Eastern Region	310	1698.3	36	2044.3	0	1242	262.62	3548.92
Andaman & Nicobar Island	0	0	40.05	40.05	0	0	10.35	50.40
Lakshadweep	0	0	0	0	0	0	0.75	0.75
Total Islands	0	0	40.05	40.05	0	0	11.1	51.15
GRAND TOTAL	185172.91	24508.63	993.53	210675.07	5780	42783.42	38817.51	298056

Source: CEA Report