

# Power System Statistics

Report

FY. 2022-23



**POWER SYSTEM STATISTICS 2022-23****TABLE OF CONTENTS**

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**TABLE 1**  
**GROWTH OF KERALA POWER SYSTEM**

SI. No.	Particulars	Unit	As on 31-3-2014	As on 31-3-2015	As on 31-3-2016	As on 31-3-2017	As on 31-3-2018	As on 31-3-2019	As on 31-3-2020	As on 31-3-2021	As on 31-3-2022	As on 31-3-2023
1	Installed capacity	MW	2891.72	2835.63	2880.18	2915.80	2975.56	2866.19	2916.15	3029.61	3145.98	3514.81
2	Maximum demand (Restricted)	MW	3588	3602	3860	4004	3884	4242	4316	4284	4380	4517
3	Maximum demand (Unrestricted)	MW	3588	3727	3985	4079	3910	4242	4316	4284	4380	4679
4	Annual energy requirement (Unrestricted)	MU	21264.51	22040.04	22944.45	23849.54	24432.96	24958.23	26288.45	25144.99	26608.75	27741.54
5	Own generation	MU	8163.03	7286.90	6739.25	4325.08	5460.34	7577.02	5722.81	7057.90	9742.29 **	8537.16
6	Power purchase (gross)	MU	14070.42	15031.71	16448.36	19734.93	19426.74	18761.47	21128.51	18912.23	18887.67	21133.30
7	Energy available for sale Excl. PGCIL loss	MU	20542.49	21573.16	22727.34	23763.58	24340.79	24849.16	26226.09	25132.92	26703.19	27977.17
8	Energy sale to other states	MU	1414.60	358.09	53.48	49.30	117.51	824.78	55.95	261.43	2094.41	1813.11
9	Energy sale (within the state including OA)	MU	17470.86	18430.73	19460.32	20452.91	21159.19	21750.25	23058.92	22540.32	23983.42	25383.76
10	Total sale including export	MU	18885.46	18788.82	19513.80	20502.21	21276.70	22575.03	23114.87	22801.75	26184.11	27216.01
11	Per capita consumption	kWh	516	541	569	592	613	626	657	619	676	682
12	400kV lines (KSEBL)	Ckt km							92.00	177.03	177.03	177.03
13	220 kV Lines	Ckt km	2765.00	2801.20	2801.88	2801.88	2856.88	2952.34	2952.66	3141.40	3485.67	3145.98 <sup>s</sup>
14	110 kV Lines	Ckt km	4260.27	4299.67	4345.52	4460.75	4521.50	4745.08	4797.75	5030.86	5385.43	5460.85
15	66 kV Lines	Ckt km	2202.81	2202.81	2220.56	2154.75	2151.12	2145.33	2000.75	2004.79	1572.11	1542.23
16	33 kV Lines	Ckt km	1719.28	1761.57	1826.66	1902.43	1943.51	1957.43	2057.49	2108.00	2335.66	2349.41
17	HT lines (11 kV & 22 kV)	Ckt km	53,740	55,547	57,650	59,496	59,457	61,014	62,751	64,540	66,637	67,920
18	LT lines	Ckt km	2,68,753	2,68,753	278574	2,83,811	2,86,784	2,89,804	2,93,280	2,95,921	2,99,538	3,02,626
19	Step up transformer capacity (Power Transformers Only)	MVA	2,615.00	2659	2691.05	2699.05	2707.05	2717.35	2717.35	2717.35	2781.1 #	2809.50
20	Step down transformer capacity (Power Transformers Only)	MVA	17,913	18,461	18,779	19143.4	20499	21216	21578	23159	28199	25520.7 <sup>s</sup>
21	EHT substations	No.	244	244	250	256	265	257	263	266	270	264 <sup>ss</sup>
22	33 kV substations	No.	133	134	137	146	151	154	159	160	160	160
23	Distribution transformers	No.	67,546	71,195	73,460	75,580	77,724	79,876	81,470	83,465	85,594	87584 @
24	Distribution transformer capacity	MVA	8,329.11	8,694.21	8,950.01	9,141.12	9,439	9,704	9,915	10,166	10,448	10,727
25	Number of consumers	Lakh	111.93	114.31	116.68	119.95	122.76	125.52	128.26	131.43	134.23	136.49
26	Connected load	MW	19,684.15	20391.53	20980.82	22040.62	23352.03	24940	26843	28302	29791	31386
27	Street lights	No.	12,97,480	13,49,101	14,07,024	14,12,689	14,17,639	14,22,764	14,47,820	14,76,776	2301556 <sup>###</sup>	23,51,628
28	Irrigation pump sets	No.	4,78,449	4,90,056	5,00,082	5,12,339	5,25,367	5,38,918	5,52,858	4,95,432	5,13,406	5,30,119
29	Total revenue from sale of power	Rs.Crore	9,974.18	9,879.34	10,488	11,036	12,057	13,053	14,057	13,806	15,665	17,705

**Remarks**

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

\*\* Corrected. Generation excluding auxiliary consumption

# Step up transformers at Generating Stations

### 20221-22 street light count as per survey conducted during 2022 for NILAAVU Project. The figure does not account for the dismantled streetlights, if any.

\$ KSEBL owned. Refer to Table-33/34 for details

\$\$ Excluding 6 nos. 400 kV PGCIL S/s, 110 kV Mahe S/s and 66 kV Walayar S/s . Refer to Table-33 for details

@ As per SCM progress report

**TABLE 2**  
**PLAN WISE ACHIEVEMENTS**

SI. No	Particulars	12th Plan				13th Plan					14 <sup>th</sup> Plan
		2nd Year	3rd Year	4th Year	5 th Year	1st Year	2nd Year	3rd Year	4th Year	5 th Year	1st Year
		2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	Installed capacity (MW)	10.5	18.55	44.55	35.62	79.76	27.63	59.96	113.46	20.77	41.26
2	400kV line ( Ckt km)						0	92	86	0	0
3	220 kV line ( Ckt km)	0	36.2	0.68	0.00	54.10	0.00	73.18	238.00	224.81	88.41
4	110 kV line ( Ckt km)	112.59	39.4	66.60	67.66	79.76	134.20	235.24	324.50	228.98	131.59
5	66 kV line ( Ckt km)	36	0	6.00	0.00	0.44	29.50	0.00	8.40	0.00	0.00
6	33 kV line ( Ckt km)	71.44	42.29	66.79	75.77	41.08	60.90	100.06	39.20	68.85	9.70
7	11 kV line ( km)	1884	1807	2022	1844	1744.11	1773	1939	2195	2389	1557
8	LT Lines (km)	3735	4636	3312	5357.00	3129.73	3401	3689	3650	3380	4036
9	Step up transformer capacity (MVA)	3	44	32	8	8	10	0	0	11	30
10	No. of EHT substations including up gradation	6	2	11	3	11	4	12	15	7	5
11	No. of 33 kV substations	4	1	3	7	5	5	6	2	1	0
12	Step down transformer capacity (MVA)	505	547.9	318	280.5	1355.2	716.7	362	1581	740.5	1485.5
13	No. of distribution transformers	3200	3547	2389	2271	2353	2410	2023	2372	2355	2283
14	Distribution transformer capacity (MVA)	389	365	256	191	298	265	211	251	282	279
15	Service connections effected (Nos.)	415216	422238	381247	465531	353642	368673	380584	372116	361712	373133
16	Connected load (MW)	1161	707	589	1060	1311	1588	1903	1459	1489	1595
17	Street lights installed (Nos.)	40195	51621	57923	5665	4950	5125	25056	28956	274099*	50072
18	Agricultural Pump sets connected (Nos.)	12160	11607	10026	12257	13028	12686	13940	21143	17974	16713

\* Also includes replacement of street lights with energy efficient LED lights under NILAUVU Scheme

**TABLE 3**  
**PARTICULARS OF GENERATORS**

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Name of Station	Pallivasal	Sengulam	Poringalkuthu	Neriamangalam	NES	Panniar	Sholayar	Sabarigiri	Kuttiyadi	Idukki Phase I	Idukki Phase II	Idamalayar	Kallada	Kanjikode wind farm	Lower Meenmutty	Kuttiadi Tail Race
2	Make of units	Alstom Canada	Alstom Canada	Allonward-SSIPL consortium	Alstom Switzerland	VA Tech Hydro India Ltd.	Alstom Canada	Yibin Fuyuan Equipment of Power Generation Co.ltd.	VA Tech Hydro Austria #4 PDL	Fuji Japan	Canadian General Electric	Marine Industree Limitee	BHEL	BHEL	Vestas Denmark	VA Tech Flovel / TD Power	Jyothi
3	Prime mover	Horizontal Pelton	Horizontal Pelton	Vertical Francis	Vertical Francis	Vertical Axis Francis Turbine	Vertical Francis	Vertical Francis	Vertical Pelton	Vertical Pelton	Vertical Pelton	Vertical Pelton	Vertical Francis	Vertical Kaplan	Wind	S-type Full Kaplan	Horizontal Full Kaplan
4	Rated kVA	5,550/ 9,330	14,125	10,000	19,500	27777	18,000	20,000	55,500/ 66,667	28,000	1,44,000	1,44,000	41,118	8,824	265	1667/ 555.61	1,470
5	Rated voltage (kV)	11	11	11	11	11	11	11	11	11	11	11	11	11	0.4	3.3	3.3
6	Nominal output (MW)	5/7.5	12.7	9	17.55	25	16.2	18	55/60	25	130	130	37.5	7.5	0.225	1.5 / 0.5	1.25
7	Power factor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.85	0.85	0.85	0.9	0.85
8	Speed (RPM)	750	600	600	600	500	600	750	500	600	375	375	333.3	428.5	1000	750 / 500	600
9	Synchronous reactance X <sub>d</sub> (%)	117/113	114	1.0424	95	102.7	71.7	1.042 pu	102/123	85	0.94 pu	0.95 pu	105	124	-	90 / 100	80
10	Transient reactance X' <sub>d</sub> (%)	30/25	26	.2321/.2526	20	22	15.8	0.193 pu	33/29	29	0.235 pu	0.25 pu	29	21	-	15 / 19	26.2
11	Sub transient reactance X'' <sub>d</sub> (%)	24/22	22	0.637	13	18.43	12	0.153 pu	28/25	20	0.135 pu	0.19 pu	23	12.5	-	14 / 18	17.4
12	Negative sequence reactance X <sub>2</sub> (%)	28/26	28	0.1877	16	16.98	12.5	0.23 pu	28/26	19.5	0.177 pu	0.225 pu	27	14.5	-	11.7/15	17.1
13	Zero sequence reactance X <sub>0</sub> (%)	9/10	10	0.0457	6	9.86	5	0.04 pu	14/13	10.5	0.06 pu	0.08 pu	9	6.5	-	6/7	11.06
14	Short circuit ratio	1	1	1.6	1.08	1.218	1.55	1.05	1.1/0.96	1.1	1.23	1.1	1.05	1.1	-	1.31/1.3	1.1
15	Grounding of Neutral	Resistance	PT	NGT-10KVA	PT	Through single phase transformer with resistance across secondary	Neutral Grounding Transformer	Through NGT	PT with resistance	PT	Reactance Earthing	Reactance Earthing	Transformer	Transformer		Resistance	PT
16	Rated field current (Amps)	798/813	801	500	430	1050	447	627	711/688	900	1170	1375	850	840	-	192.34/140.5 1	240/95

**TABLE 3**  
**PARTICULARS OF GENERATORS**

		17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	Name of Station	Peppara	Lower Periyar	BDPP	PLBE	KDPP	Kakkad	Mattupetty	KES	Malampuzha	Chembukadavu Stage I	Chembukadavu Stage II	Urumi Stage I	Urumi Stage II	Malankara
2	Make of units	Jyothi / Kirloskar	BHEL	GEC Alstom France	BHEL	ABB	BHEL	Jyothi	GE Canada	Jyothi	Zhejiang Linhai Co Ltd. China	Kuming Electric Machinery Work, China	Chonging Electric Machinery Federation Ltd, China	Hangzom Electric Equipment Work, China	Kossler Austria/ Jyothi
3	Prime mover	S-type Full Kaplan	Vertical Francis	Diesel Engine	Vertical Francis	Diesel Engine	Vertical Francis	Horizontal Francis	Vertical Pelton	Horizontal Semi Kaplan	Horizontal Francis	Horizontal Francis	Horizontal Francis	Horizontal Francis	Horizontal Kaplan
4	Rated kVA	3,500	66,670	23,690	17,800	17,778	29,412	2,353	55,556	2,941	1,125	1,562.5	1,562.5	1,000	4,118
5	Rated voltage (kV)	11	11	11	11	11	11	11	11	11	6.3	6.3	6.3	6.3	11
6	Nominal output (MW)	3	60	21.32	16	16	25	2	50	2.5	0.9	1.25	1.25	0.8	3.5
7	Power factor	0.85	0.9	0.9	0.9	0.9	0.85	0.85	0.9	0.85	0.8	0.8	0.8	0.8	0.85
8	Speed (RPM)	750	333.3	428	600	500	428.6	750	500	750	750	750	1000	1000	750
9	Synchronous reactance X <sub>d</sub> (%)	90	100	160	105	216	100	88.4	99	90	110	113	127	112	93.55
10	Transient reactance X' <sub>d</sub> (%)	18	25	37	30	40	26.4		29	25	20.74	26	19.1	17.35	27.22
11	Sub transient reactance X'' <sub>d</sub> (%)	14	25	27.5	18	21	15	18.4	25	19	13.78	19	13.6	13.03	17.22
12	Negative sequence reactance X <sub>2</sub> (%)	15	18	29.5	24	21		10.25	27	20	14.35	19	14.4	14.13	23.84
13	Zero sequence reactance X <sub>0</sub> (%)	1	10	14.3	6	10.5		8.52	7	8	5.33	5.9	4.7	4.1	8.41
14	Short circuit ratio	1.1	1	0.75	1	0.531	1	1	1.1	1.11	1.095	1	≥1.0	>1.0	1
15	Grounding of Neutral	Resistance	Transformer	Transformer	Transformer	Resistance	Transformer	NGT/NGR	Transformer	Transformer	Ungrounded	Ungrounded	Ungrounded	Ungrounded	Transformer
16	Rated field current (Amps)	6	1062	1085	750	405	950	235	1304	280	230	272	276	260	650

**TABLE 3**  
**PARTICULARS OF GENERATORS**

		31	32	33	34	35	36	37	38	39	40	41	42	43	44
1	Name of Station	KAES	Ranni Perinad	Poozhithode	Peechi	Vilangad	Chimmony	Barapole	Aryanpara	Vellathooval	Perunthenaruvi	Kakkayam SHEP	Chathankottunada Stage II SHEP	Upper Kallar SHEP	Poringalkuthu
2	Make of units	BHEL	Crompton/ Kirlosker	TD Power System / Flovel	Kirloskar	TD Power System / Flovel	TD Power Systems Ltd	WEG Industries Pvt. Ltd.	Crompton Greaves	TD Power Systems Ltd	TD Power Systems Ltd	Crompton/ Kirlosker	WEG Generators	WEG Generators	Allonward- SSIPL Consortium
3	Prime mover	Vertical Pelton	Horizontal Kaplan	Horizontal Francis	Horizontal Kaplan	Horizontal Francis	Horizontal Francis	Horizontal Francis	Horizontal Francis	Axial Flow 'S' type Horizontal Kaplan	Axial Flow 'S' type Horizontal Kaplan	Horizontal Kaplan	Horizontal Francis	Horizontal Francis	Vertical Francis
4	Rated kVA	55,560	2,222	1,778	1,388	2,778	2,778	5,556	1,667	2,000	3333	1667	2222	1112	26660
5	Rated voltage (kV)	11	3.3	3.3	3.3	3.3	3.3	11	3.3	3.3	6.6	3.3	11	3.3	11
6	Nominal output (MW)	50	2	1.6	1.25	2.5	2.5	5	1.5	1.8	3	1.5	2	1	24
7	Power factor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
8	Speed (RPM)	500	750	750	600	750	600	500	750	750	750	750	750	750	500
9	Synchronous reactance X <sub>d</sub> (%)	108	100	89.3	85	100	125	122	115	125	125	125	102.24	118	102.8
10	Transient reactance X' <sub>d</sub> (%)	20.6	22	22.06	26	23	35.6	28	21	26	20	26	20.62	24	25.1
11	Sub transient reactance X'' <sub>d</sub> (%)	11.38	15	17.6	19	16	22.4	19	13.4	20	16	18	18.92	15	18.1
12	Negative sequence reactance X <sub>2</sub> (%)	11	20	29	18	22	28	21	13.5	28	26	18	16	17	19.5
13	Zero sequence reactance X <sub>0</sub> (%)	8	15	19	12	16	20	4	14.2	19	19	16	6	4	3.9
14	Short circuit ratio	>1	1	1.12	1	1.08	0.8	0.81	0.87	0.8	0.8	0.8	0.9	0.854	1.04
15	Grounding of Neutral	Transformer	Transformer	Transformer	Transformer	Neutral grounding resistor	Yes	Yes	Yes	NGT	NGT	NGT	NGT	NGT	NGT
16	Rated field current (Amps)	2916	140	204.6	184	178	486	291.6	95	161	292	110A	103	114.4	560

TABLE 4

## INSTALLED GENERATING CAPACITY (STATION WISE) as on 31.03.2023

Sl. No.	Name of Station	Unit Capacity (MW)	Date of Commissioning		Station Capacity (MW)	Annual Generation Capability (MU)	Design PLF (%)
			Original date	After renovation			
	<b>PART A - HYDEL</b>						
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 - 12.7 Unit #2 - 12.7 Unit #3 - 12.7 Unit #4 - 12.7	01.05.1954 25.07.1954 11.11.1954 05.01.1955	30.11.2002 04.10.2002 05.12.2001 01.12.2001	50.80	182	43.33
3	Neriamangalam	Unit #1 - 17.55 Unit #2 - 17.55 Unit #3 - 17.55	27.01.1961 09.04.1961 11.05.1963	20.10.2004 31.11.2005 29.09.2006	52.65	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	36.00	191	61.25
6	Sholayar	Unit #1 - 18 Unit #2 - 18 Unit #3 - 18	09.05.1966 26.01.1968 14.05.1968	05.10.2020 20.01.2020 16.03.2019	54.00	233	38.15
7	Sabarigiri	Unit #1 - 55 Unit #2 - 55 Unit #3 - 55 Unit #4 - 60 Unit #5 - 55 Unit #6 - 60	18.04.1966 14.06.1966 29.12.1966 22.06.1967 09.09.1967 26.11.1967	08.11.2009 07.02.2009 17.03.2008 06.05.2014 05.05.2006 01.07.2005	340.00	1338	51
8	Kuttiyadi	Unit #1 - 25 Unit #2 - 25 Unit #3 - 25	11.09.1972 01.11.1972 28.11.1972	NA	75.00	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	16.03.2018 20.01.2020 14.07.2019	780.00	2398	35.92
10	Idamalayar	Unit #1 - 37.5 Unit #2 - 37.5	03.02.1987 28.02.1987	NA	75.00	380	57.73
11	Kallada	Unit #1 - 7.5 Unit #2 - 7.5	05.09.1994 05.01.1994	NA	15.00	65	40.33
12	Peppara	3	15.06.1996	NA	3.00	11.50	43.33
13	Lower Periyar	Unit #1 - 60 Unit #2 - 60 Unit #3 - 60	27.09.1997 22.10.1997 28.11.1997	NA	180.00	493	31.28
14	Mattupetty	2	14.01.1998	NA	2.00	6.40	35
15	Poringalkuthu Left Bank Extension	16	20.03.1999	NA	16.00	74	61.25
16	Kakkad	Unit #1 - 25 Unit #2 - 25	13.10.1999	NA	50.00	262	60
17	Kuttiyadi Extension	50	27.01.2001	NA	50.00	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	2.70	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

Table-4 contd..



Sl. No.	Name of Station	Unit Capacity (MW)	Date of Commissioning		Station Capacity (MW)	Annual Generation Capability (MU)	Design PLF (%)
			Original date	After renovation			
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 Stage II	Unit #1 - 0.8 Unit #2 - 0.8 Unit #3 - 0.8	25.01.2004 25.01.2004 25.01.2004	NA	2.40	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	10.50	65	70
24	Lower Meenmutty	Unit #1 - 1.5 Unit #2 - 1.5 Unit #3 - 0.5	28.04.2006 27.04.2006 25.03.2006	NA	3.50	7.63	30
25	Neriamangalam Extension	Unit #4 - 25	27.05.2008	NA	25.00	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	15	50
27	Kuttiadi Additional Extension	Unit #1 - 50 Unit #2 - 50	11.10.2010 30.10.2010	NA	100.00	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	4.80	10.97	26
29	Ranni Perinad	Unit #1 - 2 Unit #2 - 2	16.02.2012 16.02.2012	NA	4.00	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	7.50	22.63	34
32	Chimony	2.5	25.05.2015	NA	2.50	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	3.50	9.01	30
34	Poringalkuthu Micro	Unit#.011	01.02.2016	NA	0.011	0.082	
35	Barapole	Unit #1 - 5 Unit #2 - 5 Unit #3 - 5	29.02.2016 29.02.2016 29.02.2016	NA	15.00	36	27
36	Vellathooval	Unit #1 - 1.8 Unit #2 - 1.8	26.05.2016	NA	3.60	12.7	40
37	Perunthenaruvi	Unit #1 - 3.0 Unit #2 - 3.0	23.10.2017	NA	6.00	25.77	49
38	Kakkayam	Unit #1 - 1.5 Unit #2 - 1.5	16.07.2018	NA	3.00	7.34	60
39	Chathankottunada Stage II	Unit #1 - 2.0 Unit #2 - 2.0 Unit #3 - 2.0	21.06.2021	NA	6.00	14.76	28
40	Upper Kallar	Unit #1 - 1.0 Unit #2 - 1.0	30.09.2021	NA	2.00	5.14	29
41	Poringalkuthu New	Unit #1 - 24	04.05.2022	NA	24.00	45.02	89
<b>Total</b>					<b>2090.36</b>	<b>7278.08</b>	
<b>PART B - WIND</b>							
1	Kanjikode	9 x 0.225 MW	18.05.1995	NA	2.025	4.00	20
<b>Total</b>					<b>2.025</b>	<b>4.00</b>	
<b>PART C - THERMAL</b>							
1	Brahmaputra Diesel Power Plant (BDPP)	Unit #1 - 21.32 Unit #4 - 21.32 Unit #5 - 21.32	06.05.1997 17.12.1997 24.11.1998	NA	63.96	363.60	68.50

Table-4 contd..

Sl. No.	Name of Station	Unit Capacity (MW)	Date of Commissioning		Station Capacity (MW)	Annual Generation Capability (MU)	Design PLF (%)
			Original date	After renovation			
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	96.00	672.00	80
<b>Total</b>					<b>159.96</b>	<b>1035.6000</b>	
3	Kayamkulam (NTPC)	Unit #1 - 116.6 Unit #2 - 116.6 Unit #3 - 126.6	02.11.1999 28.02.1999 11.12.1999	NA	359.58	2158	68.50
<b>PART D -KSEB SOLAR</b>							
1	Kanjikode S/s GM	1.00	20.08.2015	NA	1.00	1.58	18.00
2	Kollengode Substation GM	1.00	08.08.2016	NA	1.00	1.66	19.00
3	Edayar Substation premises GM	1.25	05.09.2016	NA	1.25	2.08	19.00
4	Barapole Canal bank	1.00	07.11.2016	NA	1.00	1.66	19.00
5	Barapole Canal top	3.00	17.11.2016	NA	3.00	4.99	19.00
6	Pezhakkappally,Moovattupuzha GM	1.25	15.01.2018	NA	1.25	1.75	16.00
7	Pothencode SS GM	2.00	02.02.2018	NA	2.00	2.80	16.00
8	Agali GM	1.00	22.01.2022	NA	1.00	1.58	18.00
9	Kanjikkode GM	3.00	19.02.2022	NA	3.00	4.73	18.00
10	Brahmapuram	2.75	03.02.2023	NA	2.75	4.34	18.00
11	Other small solar installations	7	As on 31.3.2023	NA	7.00	11.04	18.00
12	SOURA under KSEBL fund	23.29	As on 31.3.2023	NA	23.29	34.68	17
<b>Total</b>					<b>47.54</b>	<b>72.90</b>	
<b>PART D - PRIVATE HYDRO</b>							
1	Maniyar ( Captive)	Unit #1 - 4 Unit #2 - 4 Unit #3 - 4	31.03.1994 30.12.1994 29.12.1994	NA	12.00	36	30.83
2	Kuthungal (Captive)	Unit #1 - 7 Unit #2 - 7 Unit #3 - 7	01.06.2001 01.06.2001 01.06.2001	NA	21.00	79	42.94
3	Ullunkal	Unit #1 - 3.5 Unit #2 - 3.5	13.11.2008 13.11.2008	NA	7.00	32.22	53
4	Iruttukkanam	Unit #1 - 1.5 Unit #2 - 1.5 Unit #3 - 1.5	18.09.2010 19.09.2010 4.04.2012	NA	4.50	15.86	50
5	Pampumkayam (Mankulam)	Unit #1 - 0.055 Unit #2 - 0.055	3.8.2012	NA	0.11	0.29	-
6	Karikkayam <sup>s</sup>	Unit #1 - 3.5 Unit #2 - 3.5 Unit #3 - 3.5 Additional 4.5	29.08.2013 2.09.2013 28.09.2013 23.05.2017	NA	15.00	62.42	-
7	Meenvallo	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	-
9	Pathankayam	Unit #1 - 3.5 Unit #2 - 3.5 Unit #3 -1.0	14.7.2017	NA	8.00	21.02	30.00
10	Deviyar	Unit#1-.025 Unit #2-.025	2020-21	NA	0.05	22.02	18.00
11	Anakkampoil	Unit #1-3.5 Unit #2-3.5 Unit #3-1.0			8.00	23.02	33.90
12	Arippara	Unit #1-2.25 Unit #2 -2.25			4.50	24.02	37.33
<b>Total</b>					<b>83.21</b>	<b>324.37</b>	

Table-4 contd..

Sl. No.	Name of Station	Unit Capacity (MW)	Date of Commissioning		Station Capacity (MW)	Annual Generation Capability (MU)	Design PLF (%)
			Original date	After renovation			
<b>PART E - PRIVATE THERMAL*</b>							
1	Phillips Carbon Black Ltd (Co-generation plant)	52	31.03.2011	NA	17.00	70.08	-
<b>Total</b>					<b>17.00</b>	<b>70.08</b>	
<b>PART F - PRIVATE WIND</b>							
1	Ramakkalmedu (IPP)	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 (IPP)	7 x 0.6 MW 16 x 0.6 MW	31.03.2008 31.03.2010	NA	13.80	27.80	23
3	Koundikkal (IPP)	2 x 0.6 MW 6 x 0.6 MW	29.09.2010 31.10.2010	NA	4.80	9.67	23
4	Ahalia Alternate Energy Pvt Ltd, Kanjikode (IPP)	1 x 2.1 MW 3 x 2.1 MW	22.02.2016 23.03.2016	NA	8.40	16.19	22
5	INOX (IPP)	8x2 MW		NA	16.00	30.84	22
6	Kosamattom (IPP)	1X1 MW		NA	1.00	1.66	19
7	Malayala Manorama (CPP)	5x2 MW	28.4.2019	NA	10.00	20.15	23
<b>Total</b>					<b>68.25</b>	<b>138.7672</b>	
<b>PART G - PRIVATE SOLAR</b>							
1	Cochin International Airport Ltd. (Prosumer)	39.88 Mwp	24.03.2018	NA	39.88	61.14	17.5
2	Solar park, RPKCL Ambalathara(IPP)	4 Mwp	14.12.2016	NA	50.00	78.84	18
		16 Mwp	04.01.2017				
		8 Mwp	07.02.2017				
		8 Mwp	30.03.2017				
		14 Mwp	13-09-2017				
3	ANERT ,Kuzhalmandam (IPP)	2MWp	9.12.2016		2.00	3.33	19
4	Hindalco (Prosumer)	3MWp	31.03.2016		3.00	4.73	18
5	KMRL (Prosumer)	10.6 Mwp	21.07.2019		10.60	15.79	
6	THDCIL-Paivalike Solar Park (IPP)	50 Mwp	31.12.2020		50.00	78.84	18
7	Bharat Hospital (Captive)	1.10 Mwp			1.10	1.64	17
8	Agali Goat Farm	0.5 Mwp			0.50	0.74	17
9	Kayamkulam Floating Solar (IPP)	92 Mwp			92.00	137.00	
10	CIAL Ettukudukka	10 Mwp			10.00	15.33	17.5
11	LT Solar Prosumers	369.51 Mwp	As on 31.3.2023		369.51	550.27	17
12	Other HT & EHT Solar Prosumers	58.29 Mwp	As on 31.3.2023		58.29	86.81	17
<b>Total</b>					<b>686.88</b>	<b>1034.46</b>	
<b>GRAND TOTAL</b>					<b>3514.81</b>	<b>12116.25</b>	

\* Note: BSES & KPCL not considered as PPA expired

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

# For solar plants, value mentioned against %PLF is % design CUF (approximate)

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

Sl. No.	Station	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	Idukki	40.08	36.5	34.62	20.68	25.04	44.0875	26.74	37.19	45.21	47.74
2	Sabarigiri	66.32	41.12	39.21	26.77	32.55	50.78	37.25	40.83	68.72	51.59
3	Idamalayar	58.64	56.72	45.4	27.34	45.78	52.62	39.75	44.30	58.08	66.70
4	Kuttiady + KES +KAES	42.79	39.57	30.34	24.93	32.4	35.45	30.01	23.25	46.75	39.94
5	Poringalkuthu	37.66	57.97	54	42.79	51.29	40.29	34.34	48.65	66.45	47.46
6	PLBE	81.27		75.7			69.85	71.25	73.13	83.36	60.25
7	Sholayar	49.27	50.36	44.3	35.33	43.18	41.57	43.80	57.01	55.50	45.72
8	Pallivasal	65.61	78.94	83.5	68.18	77.36	56.36	43.18	40.22	43.98	44.92
9	Sengulam	33.48	36	38.17	27.49	34.46	27.51	33.79	26.28	40.93	28.41
10	Panniar	60.76	55.26	61.98	22.17	46.18	36.88	62.91	65.56	75.89	70.08
11	Neriamangalam	52.37	50.57	51.72	28.89	45.75	55.39	46.15	52.10	65.23	56.36
12	Lower Periyar	38.12	37.44	33.04	19.99	30.2	33.25	27.08	32.08	51.27	43.70
13	Kakkad	69	53.7	51	36.4	44.5	61.70	48.90	51.50	75.90	67.73
14	Kallada	51.57	48.53	33.88	35.55	41.22	51.95	25.39	38.00	45.57	51.39
15	Peppara	29.06	20.34	16.3	14.96	19.84	31.30	21.82	33.66	40.06	31.44
16	Madupetty	34.87	21.87	25.01	13.17	18.55	9.65	24.47	42.55	37.24	24.31
17	Malampuzha	20.03	25.14	9.2	2.85	6.38	19.41	18.79	12.41	17.87	21.66
18	Chembukadavu I	21.85	20.32	16.65	15.26	18.83	19.08	19.69	20.60	21.12	17.54
19	Chembukadavu II	22.65	23.17	20.4	18.4	21.1	16.10	19.10	19.90	23.18	19.89
20	Urumi I	25.43	24.09	16.93	16.44	20.76	12.07	20.85	20.11	26.83	24.78
21	Urumi II	24.65	23.52	15.65	16.01	20.7	9.00	19.80	19.60	28.08	23.07
22	Malankara	32.99	64.23	35.2	47.08	53.94	36.15	30.71	34.10	45.85	27.93
23	Lower Meenmutty	17.9	20.78	18.78	8.14	16.48	19.81	15.82	19.82	22.62	18.76
24	Kuttiady Tailrace	24.86	35.93	25.39	19.29	25.11	62.06	53.85	51.06	64.18	45.66
25	Poozhithode	28.59	26.94	22.19	24.86	27.63	17.76	15.88	18.00	31.92	24.94
26	Ranni-Perinad	26.1	33.57	22.35	16.61	17.99	10.01	19.53	22.43	29.73	25.17
27	Peechi	-	16.39	12.86	3.53	10.21	22.84	22.00	4.31	0.00	8.18
28	Vilangad	-	10.98	19.23	23.84	23.32	11.83	19.49	22.71	28.94	32.80
29	Chimmony	-	-	20.68	6.95	15.22	30.60	29.27	37.25	38.30	41.13
30	Adyanpara	-	-	7	16.32	12	1.05	7.85	22.33	38.67	30.67
31	Vellathooval	-	-	-	9.66	14.34	1.61	1.61	0.00	3.51	17.07
32	Barapole	-	-	-	-	31.22	9.15	14.65	32.63	75.49	33.41
33	Perunthenaruvi	-	-	-	-	5.94	14.63	23.23	25.45	14.79	23.48
34	Kakkayam SHEP				-	-	-	30.91	45.94	66.87	57.39
35	Chathankottunada State II	-	-	-	-	-	-	-	-	-	1.04
36	Upper Kallar SHEP	-	-	-	-	-	-	-	-	-	11.61
37	Poringalkuthu New	-	-	-	-	-	-	-	-	-	48.38

**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	2013-14	2891.72	20542.49	3588	65.36%
2	2014-15	2835.63	21573.16	3602	68.37%
3	2015-16	2880.18	22727.34	3860	67.21%
4	2016-17	2915.80	23763.57	4004	67.75%
5	2017-18	2975.56	24340.79	3884	71.54%
6	2018-19	2866.19	24849.15	4242	66.87%
7	2019-20	2916.15	26226.08	4316	69.37%
8	2020-21	3029.61	25132.93	4284	66.97%
9	2021-22	3145.98	26703.19	4380	69.60%
10	2022-23	3514.81	27977.17	4679*	68.26%

\* Unrestricted maximum demand. Restricted maximum demand is 4517 MW

TABLE - 7

## RESERVOIR DETAILS AND DATA FOR POWER GENERATION

Sl.No.	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 <sup>3</sup> /sec)
1	Kuttiyadi	758.04	33.99	737.62	4.40	Kuttiyadi	3 x 25	41.46		0.71	5.69
2	Thariode	775.60	201.00	754.86	23.75	KES	1 x 50			0.70	8.60
3	Sholayar	811.68	149.23	779.37	4.25	Sholayar	2 x 50	245.22			
4	Poringalkuthu	423.98	30.30	405.69	1.70	Poringalkuthu	3 x 18	152.21	300	1.50	7.50
							4 x 8			2.83	6.29
							1 x 16	10.73	170	2.57	11.42
						PLBAE	1x24			2.36	15.75
5	Idamalayar	169.00	1017.80	115.00	72.00	Idamalayar	2 x 37.5	254.45	110	4.00	41.67
6	Kundala	1758.70	7.80	1735.84	0.02	Pallivasal	3 x 5	22.74	570	0.71	0.98
7	Mattupetty	1599.59	55.22	1554.48	0.13		3 x 7.5	161.23		0.79	1.65
8	Sengulam	847.64	1.61	844.86		Sengulam	4 x 12.8	0.71	341	1.27	4.23
9	Anayirankal	1207.01	49.00	1188.11	0.85	Panniyar	2 x 16.2	65.62	220	2.13	8.83
10	Ponmudi	707.75	47.40	676.66	4.15			63.52			
11	Neriamangalam	456.59	5.56	445.91	1.31	Neriamangalam	3 x 17.55	4.83	180	2.44	10.12
12	Idukki	732.43	1459.70	694.94	536.86	NES	1 x 25				
13	Pamba	986.33	31.10	963.16	8.10	Idukki	6 x 130	2147.88	660	0.68	24.50
14	Kakki	981.46	446.50	908.30	7.60			59.46			
15	Kallada	115.82	488.53	24.38	16.14	Sabarigiri	4x55+2x60	856.47	750	0.62	8.61
16	Peppara	110.50	67.50	87.50	2.50	Kallada	2 x 7.5	50.10	43	9.75	20.32
17	Lower Periyar	253.00	4.55	237.74	0.80	Peppara	1 x 3	3.45	25	19.55	16.30
18	Kakkad	192.63	1.16	181.36	0.34	Lower Periyar	3 x 60	2.09	203.63	2.17	36.66
19	Malampuzha	115.09	236.70	99.50	10.20	Kakkad	2 x 25	0.36	132.6	3.25	22.58
20	Chembukadavu I	No Reservoir	NA	NA	NA	Malampuzha	1 x 2.5	5.60	14.4	28.24	23.14
21	Chembukadavu II	No Reservoir	NA	NA	NA	Chembukadavu I	3 x 0.9	NA	35.5	12.22	3.06
22	Urumi I	No Reservoir	NA	NA	NA	Chembukadavu II	3 x 1.25	NA	55	7.75	2.69
23	Urumi II	No Reservoir	NA	NA	NA	Urumi I	3 x 1.25	NA	96.5	4.47	1.55
24	Lower Meenmutty	62.75	NA	61.3	NA	Urumi II	3 x 0.8	NA	55	7.98	1.77
25	Malankara	42	18.8	36	18.5	Lower Meenmutty	2x1.5+1x0.5		13	35.90	14.98
26	Ranni Perinad	No Reservoir	NA	NA	NA	Malankara SHEP	3 x 3.5	0.53	12.2	35.50	34.50
27	Poozhithode	No Reservoir	NA	NA	NA	Ranni Perinad	2 x 2	NA	6.3		78.34
28	Peechi	79.25	NA	69.7	0.62	Poozhithode	3 x 1.6	NA	72	5.67	91.87
29	Vilangad	No Reservoir	NA	NA	NA	Peechi	1 x 1.25	3.21	22.75		6.31
30	Chimmony	79.4	172.82	56.5	2.54	Vilangad	3 x 2.5	22.63	99	4.14	2.875
31	Barapole	No Reservoir	NA	NA	NA	Chimmony	1 x 2.5	6.7	45.46	12.86	8.93
32	Adyanpara	No Reservoir	NA	NA	NA	Barapole	3 x 5	36	50	8.47	11.30
33	PLBE tail race	No Reservoir	NA	NA	NA	Adyanpara	2 x 1.5 + 0.5	9.01	94	4.4023	1.83
34	Vellathooval	No Reservoir	NA	NA	NA	Poringal kuttu Micro	1 x.011	0.1	1		
35	Perunthenaruvi	51	0.6	48	0.4	Vellathooval	2 X 1.8	12.17	12	30.8	15.65
36	Chathankottunada Stage II*	125.2	NA	121.7	NA	Perunthenaruvi	2 x 3	0.025	17.33	24	20.98
37	Upper Kallar	No Reservoir	NA	NA	NA	Chathankottunada SHEP Stage II	3 x 2	14.76	90	5.5	3.05
38	Poringalkuthu New	Reservoir of PLBAE power house is Poringalkuthu. Details included under Poringalkuthu Reservoir									

\* Chathankottunada SHEP Phase II project is a run off river scheme, but not a storage scheme. Hence effective storage and dead storage not applicable for the Reservoir

**TABLE 8**  
**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
<b>A</b>	<b>Hydro</b>													
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	<b>2738.72</b>
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	<b>1635.21</b>
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	<b>386.07</b>
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	<b>842.42</b>
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	<b>236.72</b>
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	<b>233.31</b>
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	<b>215.53</b>
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	<b>141.85</b>
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	<b>170.32</b>
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	<b>365.75</b>
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	<b>601.00</b>
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	<b>247.66</b>
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	<b>67.55</b>
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	<b>7.63</b>
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	<b>30.38</b>
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	<b>5.75</b>
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	<b>12.42</b>
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	<b>13.67</b>
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	<b>4.96</b>
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	<b>5.62</b>
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	<b>7.96</b>
22	Poozhithode	0.00	0.05	2.63	3.05	2.52	1.89	1.49	0.33	0.10	0.04	0.00	0.00	<b>12.10</b>
23	Ranni-Perinad	0.53	0.40	1.09	1.27	1.72	1.25	1.40	1.14	0.04	0.00	0.00	0.69	<b>9.52</b>
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	<b>3.29</b>
	<b>Sub Total Hydro</b>	<b>392.81</b>	<b>314.56</b>	<b>461.53</b>	<b>714.27</b>	<b>1044.96</b>	<b>1040.92</b>	<b>1002.70</b>	<b>699.56</b>	<b>567.99</b>	<b>594.36</b>	<b>517.51</b>	<b>644.26</b>	<b>7995.43</b>
	<b>Auxiliary consumption</b>	1.64	1.31	1.92	2.98	4.36	4.34	4.18	2.92	2.37	2.48	2.16	2.69	<b>33.34</b>
	<b>Net Hydro Generation</b>	<b>391.17</b>	<b>313.25</b>	<b>459.60</b>	<b>711.29</b>	<b>1040.60</b>	<b>1036.58</b>	<b>998.52</b>	<b>696.64</b>	<b>565.62</b>	<b>591.88</b>	<b>515.35</b>	<b>641.58</b>	<b>7962.08</b>
<b>B</b>	<b>Wind</b>	0.14	0.29	0.16	0.21	0.19	0.16	0.11	0.06	0.13	0.16	0.09	0.10	<b>1.80</b>
<b>C</b>	<b>Thermal</b>													
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	<b>29.04</b>
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	<b>191.83</b>
	<b>Sub Total Thermal</b>	<b>68.19</b>	<b>52.03</b>	<b>10.90</b>	<b>5.66</b>	<b>5.37</b>	<b>4.34</b>	<b>6.84</b>	<b>10.72</b>	<b>9.92</b>	<b>7.97</b>	<b>10.01</b>	<b>28.92</b>	<b>220.88</b>
	<b>Auxiliary consumption</b>	1.63	1.30	0.42	0.28	0.29	0.25	0.31	0.49	0.46	0.33	0.34	0.72	<b>6.82</b>
	<b>Net Thermal Generation</b>	<b>66.56</b>	<b>50.73</b>	<b>10.48</b>	<b>5.39</b>	<b>5.08</b>	<b>4.09</b>	<b>6.53</b>	<b>10.23</b>	<b>9.46</b>	<b>7.64</b>	<b>9.67</b>	<b>28.19</b>	<b>214.06</b>
	<b>Total Internal Generation</b>	<b>457.87</b>	<b>364.27</b>	<b>470.24</b>	<b>716.89</b>	<b>1045.88</b>	<b>1040.83</b>	<b>1005.16</b>	<b>706.93</b>	<b>575.21</b>	<b>599.68</b>	<b>525.11</b>	<b>669.87</b>	<b>8177.94</b>
	<b>Auxiliary consumption in substations</b>	1.19	1.19	1.00	1.09	1.19	1.24	1.31	1.17	1.21	1.42	1.34	1.56	<b>14.91</b>
<b>D</b>	<b>Total Internal Generation (excl. aux. cons.)</b>	<b>456.68</b>	<b>363.08</b>	<b>469.24</b>	<b>715.80</b>	<b>1044.69</b>	<b>1039.59</b>	<b>1003.85</b>	<b>705.76</b>	<b>574.00</b>	<b>598.26</b>	<b>523.77</b>	<b>668.31</b>	<b>8163.03</b>
<b>E</b>	<b>Central Generating Stations</b>													
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	<b>2389.40</b>

Table 8 contd..

	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
2	Eastern Region	14.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.98
3	Talcher Stage-II	188.70	176.50	217.71	237.00	240.06	252.42	242.22	276.86	282.37	296.50	263.00	303.75	2977.09
4	Simhadri STPS Stg II Unit 1	57.39	51.62	61.06	45.42	27.00	44.73	39.62	59.70	66.44	75.15	65.37	72.00	665.50
5	NLC-Stage-1	41.26	41.66	36.96	38.93	31.84	34.96	32.56	35.02	31.69	51.62	38.34	49.37	464.21
6	NLC-Stage-II	58.72	57.41	59.65	50.58	29.67	39.92	64.26	47.78	64.47	71.45	54.58	66.45	664.94
7	NLC Expansion	45.62	47.00	45.25	45.78	41.69	44.12	23.99	27.33	41.50	47.78	40.27	43.19	493.52
8	MAPS	5.22	5.26	5.24	5.53	5.47	5.26	10.83	7.35	11.46	11.37	9.31	11.42	93.72
9	KAIGA	40.41	47.23	46.44	50.39	50.70	42.60	42.13	32.47	40.91	43.77	40.19	35.36	512.60
10	IGSTPS (Jhajjar) NR	41.19	44.21	36.27	54.81	53.55	54.46	77.05	68.07	65.97	66.91	61.09	67.09	690.67
11	Vallur STPS	8.55	5.82	4.22	10.75	3.30	9.29	13.30	11.93	11.19	24.01	17.34	15.43	135.13
12	Kudamkulam (KKNPP )	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.88	55.43	73.31
	<b>Sub Total CGS</b>	<b>716.78</b>	<b>698.48</b>	<b>688.86</b>	<b>719.21</b>	<b>624.99</b>	<b>692.87</b>	<b>720.10</b>	<b>784.01</b>	<b>840.22</b>	<b>922.39</b>	<b>820.85</b>	<b>946.31</b>	<b>9175.07</b>
<b>F</b>	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
<b>G</b>	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	Ullunkal	1.42	0.98	1.97	2.58	2.91	3.18	2.73	2.22	1.77	1.18	0.95	1.73	23.62
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
	<b>Sub Total IPPs</b>	<b>263.57</b>	<b>119.24</b>	<b>22.30</b>	<b>22.49</b>	<b>21.00</b>	<b>22.90</b>	<b>17.48</b>	<b>8.47</b>	<b>60.58</b>	<b>296.78</b>	<b>292.35</b>	<b>314.59</b>	<b>1461.76</b>
<b>H</b>	Power purchase through traders (KSEB bus)	<b>284.23</b>	<b>546.77</b>	<b>239.25</b>	<b>137.56</b>	<b>66.30</b>	<b>99.50</b>	<b>170.86</b>	<b>195.91</b>	<b>279.57</b>	<b>240.12</b>	<b>314.57</b>	<b>346.06</b>	<b>2920.69</b>
<b>I</b>	Total power purchase (E+F+G+H)	<b>1330.49</b>	<b>1413.85</b>	<b>1012.32</b>	<b>914.47</b>	<b>713.07</b>	<b>809.53</b>	<b>942.10</b>	<b>1027.71</b>	<b>1231.09</b>	<b>1520.88</b>	<b>1497.58</b>	<b>1657.33</b>	<b>14070.42</b>
<b>J</b>	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
<b>K</b>	Net power purchase at KSEB bus (I-J)	<b>1297.67</b>	<b>1395.15</b>	<b>998.08</b>	<b>890.29</b>	<b>702.36</b>	<b>778.00</b>	<b>918.58</b>	<b>1008.71</b>	<b>1211.94</b>	<b>1497.32</b>	<b>1451.42</b>	<b>1627.21</b>	<b>13776.73</b>
<b>L</b>	Net Generation & Purchase (D+K)	<b>1754.35</b>	<b>1758.22</b>	<b>1467.33</b>	<b>1606.09</b>	<b>1747.05</b>	<b>1817.58</b>	<b>1922.43</b>	<b>1714.47</b>	<b>1785.94</b>	<b>2095.58</b>	<b>1975.19</b>	<b>2295.52</b>	<b>21939.76</b>
<b>M</b>	Energy injected by private developers at Generator end for sale outside state through open access through OA													0.00
<b>N</b>	Energy purchased by consumers through open access at Kerala periphery													17.33
<b>O</b>	Energy sale outside the State by KSEBL													1414.60
<b>P</b>	Energy injected by private developers at Kerala periphery for sale outside state through open access													0.00
<b>Q</b>	Net energy available for sale (L +M+N-O-P)													20542.49
<b>R</b>	Energy purchased by consumers through open access at consumer end													16.81
<b>S</b>	Energy sale inside the state by KSEBL													17454.05
<b>T</b>	Energy sale with in the state including open access consumers (R+S)													17470.86
<b>U</b>	Loss in KSEBL system (Q-T)													3071.63



**TABLE 9**  
**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	Kuttiadi tail race	0.49	0.45	0.55	1.11	1.38	1.07	0.11	0.29	0.44	0.60	0.51	0.92	7.92
23	Poozhithode	0.01	0.20	1.61	3.13	2.38	2.15	1.33	0.32	0.14	0.05	0.00	0.00	11.33
24	Ranni-Perinad	0.67	0.53	0.47	0.75	0.20	0.97	1.31	0.91	0.40	0.09	0.24	0.82	7.35
25	Peechi	0.00	0.00	0.00	0.00	0.00	0.28	0.25	0.27	0.46	0.22	0.07	0.36	1.92
26	Vilangad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.14	0.04	0.01	0.45
	<b>Sub Total Hydro</b>	<b>661.87</b>	<b>648.90</b>	<b>494.69</b>	<b>667.69</b>	<b>691.45</b>	<b>709.08</b>	<b>765.11</b>	<b>551.37</b>	<b>421.12</b>	<b>394.22</b>	<b>456.47</b>	<b>672.13</b>	<b>7134.11</b>
	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
	<b>Net Hydro Generation</b>	<b>659.29</b>	<b>646.13</b>	<b>492.08</b>	<b>664.49</b>	<b>688.10</b>	<b>706.09</b>	<b>761.76</b>	<b>547.36</b>	<b>418.72</b>	<b>392.00</b>	<b>453.64</b>	<b>669.29</b>	<b>7098.95</b>
<b>B</b>	<b>Wind</b>	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
	<b>Net Wind Generation</b>	<b>0.08</b>	<b>0.15</b>	<b>0.00</b>	<b>0.00</b>	<b>0.16</b>	<b>0.16</b>	<b>0.06</b>	<b>0.08</b>	<b>0.10</b>	<b>0.09</b>	<b>0.00</b>	<b>0.06</b>	<b>0.96</b>
<b>C</b>	<b>Thermal</b>													
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
	<b>Sub Total Thermal</b>	<b>33.29</b>	<b>34.49</b>	<b>22.87</b>	<b>8.20</b>	<b>10.89</b>	<b>6.91</b>	<b>10.47</b>	<b>19.70</b>	<b>24.41</b>	<b>13.51</b>	<b>10.91</b>	<b>12.05</b>	<b>207.70</b>
	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
	<b>Net Thermal Generation</b>	<b>32.52</b>	<b>33.69</b>	<b>21.83</b>	<b>7.88</b>	<b>10.48</b>	<b>6.61</b>	<b>10.10</b>	<b>19.10</b>	<b>23.70</b>	<b>13.04</b>	<b>10.55</b>	<b>11.60</b>	<b>201.09</b>
	<b>Total Internal Generation</b>	<b>691.90</b>	<b>679.98</b>	<b>513.91</b>	<b>672.37</b>	<b>698.74</b>	<b>712.86</b>	<b>771.91</b>	<b>566.54</b>	<b>442.52</b>	<b>405.13</b>	<b>464.19</b>	<b>680.95</b>	<b>7301.00</b>
	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
<b>D</b>	<b>Total Internal Generation (excl. aux. cons.)</b>	<b>690.48</b>	<b>678.72</b>	<b>512.81</b>	<b>671.27</b>	<b>697.65</b>	<b>711.75</b>	<b>770.77</b>	<b>565.42</b>	<b>441.36</b>	<b>403.95</b>	<b>463.07</b>	<b>679.66</b>	<b>7286.90</b>

Table 9 contd..

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
<b>E</b>	<b>Central Generating Stations</b>	<b>899.08488</b>	<b>889.96893</b>	<b>821.49</b>	<b>848.88</b>	<b>802.03</b>	<b>786.90</b>	<b>795.33</b>	<b>872.22</b>	<b>1009.99</b>	<b>1063.00</b>	<b>988.55</b>	<b>1064.10</b>	<b>10841.54</b>
<b>F</b>	<b>UI Import / Deviation settlement</b>	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
<b>G</b>	<b>IPPs</b>													
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	Ramakalmedu 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	Meenvallom	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
	<b>Sub Total IPPs</b>	<b>321.90</b>	<b>108.16</b>	<b>131.08</b>	<b>129.01</b>	<b>74.33</b>	<b>21.07</b>	<b>103.16</b>	<b>143.65</b>	<b>64.90</b>	<b>4.81</b>	<b>3.55</b>	<b>5.29</b>	<b>1110.91</b>
<b>H</b>	<b>Power purchase through traders (KSEB bus)</b>													
	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
<b>I</b>	<b>Total power purchase (E+F+G+H)</b>	<b>1541.43</b>	<b>1308.31</b>	<b>1231.63</b>	<b>1067.65</b>	<b>1023.47</b>	<b>1040.94</b>	<b>1034.96</b>	<b>1218.01</b>	<b>1407.27</b>	<b>1462.07</b>	<b>1317.10</b>	<b>1378.86</b>	<b>15031.71</b>
<b>J</b>	External PGCIL loss													393.00
<b>K</b>	<b>Net power purchase at KSEB bus (I-J)</b>													14638.71
<b>J</b>	<b>Net Generation &amp; Purchase (D+K)</b>	<b>2231.91</b>	<b>1987.03</b>	<b>1744.44</b>	<b>1738.92</b>	<b>1721.12</b>	<b>1752.69</b>	<b>1805.74</b>	<b>1783.43</b>	<b>1848.64</b>	<b>1866.02</b>	<b>1780.17</b>	<b>2058.51</b>	<b>21925.61</b>
<b>K</b>	Energy injected by private developers at Generator end for sale outside state through open access													26.41
<b>L</b>	Energy purchased by consumers through open access at Kerala periphery													4.66
<b>M</b>	Energy sale outside the State by KSEBL													358.09
<b>N</b>	Energy injected by private developers at Kerala periphery for sale outside state through open access													25.43
<b>O</b>	<b>Net energy available for sale (J +K+L-M-N)</b>													21573.16
<b>P</b>	Energy purchased by consumers through open access at consumer end													4.46
<b>Q</b>	Energy sale inside the state by KSEBL													18426.27
<b>R</b>	Energy sale with in the state including open access consumers (P+Q)													18430.73
<b>S</b>	<b>Loss in KSEBL system (O-R)</b>													3142.43

TABLE 10

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

(in Million Units)														
Sl. No	Stations	04/15	05/15	06/15	07/15	08/15	09/15	10/15	11/15	12/15	01/16	02/16	03/16	TOTAL
1	Idukki	217.30	342.80	151.83	204.30	220.40	230.72	194.23	115.01	118.25	149.92	178.72	249.80	2373.27
2	Sabarigiri	162.82	143.39	96.34	108.81	120.22	84.49	71.94	42.71	69.77	82.76	82.89	102.81	1168.95
3	Idamalayar	39.54	39.01	15.53	25.68	30.40	23.21	17.69	5.44	11.36	14.57	23.96	29.37	275.76
4	Kuttiady (Units 1 to 6)	37.45	53.36	53.68	89.53	55.74	48.05	41.38	20.57	30.09	37.73	51.65	56.66	575.89
5	Poringalkuthu	8.52	14.57	13.25	25.14	23.61	24.03	21.88	18.62	11.02	4.27	2.23	3.62	170.77
6	PLBE	6.41	3.86	8.24	11.90	11.91	11.07	10.96	10.29	2.93	10.06	9.62	9.17	106.43
7	Sholayar	30.16	21.32	12.32	2.39	2.81	11.88	25.18	28.01	9.61	20.34	21.77	24.43	210.22
8	Pallivasal	17.92	17.13	18.67	19.76	19.99	19.43	19.02	19.23	15.57	16.60	17.22	18.05	218.60
9	Sengulam	10.52	10.78	14.87	19.37	17.96	14.77	14.91	14.48	13.43	10.49	8.81	10.52	160.91
10	Panniar	11.74	20.28	11.81	18.54	18.43	9.89	10.89	20.34	18.40	7.79	9.75	16.08	173.93
11	Neriamangalam+NES	18.81	26.57	32.27	50.87	42.45	31.74	31.22	36.63	30.11	14.70	14.80	21.89	352.07
12	Lower Periyar	20.33	28.68	58.61	90.63	70.42	48.52	45.90	53.31	42.51	16.78	14.75	20.52	510.97
13	Kakkad	21.80	19.48	16.67	18.97	19.69	13.76	12.88	7.93	10.34	13.01	12.97	16.12	183.64
14	Kallada	7.40	5.17	2.83	3.07	3.32	0.08	0.11	1.89	9.59	0.98	3.03	7.33	44.81
15	Peppara	0.17	0.12	0.00	0.00	0.00	0.03	1.36	0.99	0.82	0.29	0.50	0.43	4.71
16	Malankara	3.12	3.61	2.95	3.55	3.46	2.37	2.06	2.19	1.54	2.12	2.30	3.17	32.43
17	Madupetty	0.66	0.53	0.34	0.00	0.00	0.00	0.00	0.26	0.60	0.45	0.65	0.80	4.29
18	Chembukadavu	0.00	0.00	1.17	2.47	1.62	1.49	1.52	0.65	0.12	0.00	0.00	0.00	9.04
19	Urumi	0.00	0.00	1.69	2.59	1.77	1.16	1.39	0.40	0.30	0.00	0.00	0.00	9.30
20	Malampuzha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.96	0.68	0.08	0.00	2.03
21	Lower Meenmutty	0.25	0.47	0.56	0.56	0.31	0.82	0.90	0.99	0.50	0.13	0.05	0.03	5.56
22	Kuttiady Tail Race	0.67	0.88	0.76	1.13	0.85	0.61	0.61	0.32	0.26	0.50	0.66	0.80	8.05
23	Poozhithode	0.02	0.16	1.12	1.79	1.94	1.32	1.15	0.88	0.17	0.07	0.00	0.00	8.62
24	Ranni-Perinad	0.79	0.93	0.93	0.88	0.27	0.84	0.90	0.67	0.53	0.25	0.23	0.44	7.66
25	Peechi	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.28	0.29	0.33	0.23	1.43
26	Vilangad	0.00	0.00	1.21	3.45	3.44	1.80	1.92	0.56	0.24	0.11	0.02	0.00	12.75
27	Chimony	0.00	0.00	0.00	0.00	0.62	0.90	0.43	1.04	0.54	1.05	0.00	0.00	4.59
28	Adyanpara	0.00	0.00	0.00	0.00	0.13	0.55	0.94	0.49	0.25	0.00	0.00	0.00	2.36
29	Barapole												0.0008	0.0008
	<b>Sub Total Hydro</b>	<b>616.51</b>	<b>753.10</b>	<b>517.63</b>	<b>705.37</b>	<b>671.81</b>	<b>583.54</b>	<b>531.39</b>	<b>404.43</b>	<b>400.06</b>	<b>405.92</b>	<b>457.01</b>	<b>592.26</b>	<b>6639.02</b>
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
	<b>Net Hydro Generation</b>	<b>613.85</b>	<b>750.20</b>	<b>514.46</b>	<b>702.24</b>	<b>668.62</b>	<b>580.61</b>	<b>528.53</b>	<b>401.85</b>	<b>397.49</b>	<b>403.61</b>	<b>454.72</b>	<b>589.49</b>	<b>6605.67</b>
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
	<b>Net Wind Generation</b>	<b>0.05</b>	<b>0.13</b>	<b>0.15</b>	<b>0.21</b>	<b>0.18</b>	<b>0.09</b>	<b>0.06</b>	<b>0.07</b>	<b>0.15</b>	<b>0.13</b>	<b>0.09</b>	<b>0.07</b>	<b>1.38</b>
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
	<b>Net Solar Generation</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.08</b>	<b>0.11</b>	<b>0.13</b>	<b>0.04</b>	<b>0.10</b>	<b>0.12</b>	<b>0.13</b>	<b>0.11</b>	<b>0.81</b>
D	<b>Thermal</b>													
1	BDPP,Brahmapuram	2.95	2.29	0.22	1.00	0.08	0.00	1.48	1.05	0.35	1.00	0.00	2.83	13.25
2	KDPP, Nallalam	20.46	14.98	15.14	8.89	9.62	32.98	9.54	4.62	2.30	1.74	0.10	17.00	137.38
	Sub Total Thermal	23.42	17.27	15.36	9.90	9.70	32.98	11.02	5.67	2.64	2.74	0.10	19.83	150.63
	Auxiliary Consumption	0.69	0.56	0.49	0.38	0.37	0.75	0.43	0.30	0.21	0.23	0.13	0.59	5.13
	<b>Net Thermal Generation</b>	<b>22.73</b>	<b>16.71</b>	<b>14.87</b>	<b>9.52</b>	<b>9.33</b>	<b>32.23</b>	<b>10.59</b>	<b>5.37</b>	<b>2.43</b>	<b>2.51</b>	<b>-0.03</b>	<b>19.24</b>	<b>145.50</b>

Table 10 contd..

Sl. No	Stations	04/15	05/15	06/15	07/15	08/15	09/15	10/15	11/15	12/15	01/16	02/16	03/16	TOTAL
	<b>Total Internal Generation</b>	<b>636.63</b>	<b>767.04</b>	<b>529.48</b>	<b>711.97</b>	<b>678.20</b>	<b>613.04</b>	<b>539.31</b>	<b>407.33</b>	<b>400.17</b>	<b>406.36</b>	<b>454.91</b>	<b>608.91</b>	<b>6753.36</b>
	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
<b>E</b>	<b>Total Internal Generation (excl. aux. cons.)</b>	<b>635.20</b>	<b>765.78</b>	<b>528.38</b>	<b>710.87</b>	<b>677.12</b>	<b>611.94</b>	<b>538.17</b>	<b>406.21</b>	<b>399.02</b>	<b>405.17</b>	<b>453.79</b>	<b>607.60</b>	<b>6739.25</b>
<b>F</b>	<b>Central Generating Stations at Kerala periphery</b>	<b>984.76</b>	<b>961.54</b>	<b>927.79</b>	<b>866.35</b>	<b>873.36</b>	<b>833.73</b>	<b>966.29</b>	<b>934.02</b>	<b>927.14</b>	<b>947.14</b>	<b>922.30</b>	<b>904.27</b>	<b>11048.70</b>
<b>G</b>	<b>UI Import/ Deviation Settlement</b>	<b>45.86</b>	<b>47.95</b>	<b>43.53</b>	<b>52.97</b>	<b>59.31</b>	<b>66.10</b>	<b>74.41</b>	<b>72.10</b>	<b>57.97</b>	<b>47.06</b>	<b>48.16</b>	<b>77.92</b>	<b>693.34</b>
<b>H</b>	<b>IPP's</b>													
	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
	Meenvallom	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
	Pampunkayam (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
	<b>Sub Total IPPs</b>	<b>5.19</b>	<b>13.65</b>	<b>21.66</b>	<b>23.06</b>	<b>45.96</b>	<b>116.01</b>	<b>26.29</b>	<b>6.58</b>	<b>7.79</b>	<b>4.50</b>	<b>3.91</b>	<b>3.67</b>	<b>278.28</b>
<b>I</b>	<b>Power purchase through traders (KSEB bus)</b>													
	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
	<b>Sub Total Power Purchase excluding PGCIL losses</b>	<b>200.36</b>	<b>139.91</b>	<b>212.11</b>	<b>168.92</b>	<b>215.21</b>	<b>217.56</b>	<b>289.03</b>	<b>364.53</b>	<b>478.83</b>	<b>492.77</b>	<b>465.34</b>	<b>632.89</b>	<b>3877.45</b>
<b>J</b>	<b>Total power purchase (F+G+H+I)</b>	<b>1236.17</b>	<b>1163.05</b>	<b>1205.09</b>	<b>1111.30</b>	<b>1193.84</b>	<b>1233.40</b>	<b>1356.02</b>	<b>1377.23</b>	<b>1471.73</b>	<b>1491.47</b>	<b>1439.71</b>	<b>1618.75</b>	<b>15897.76</b>
<b>K</b>	<b>Net Generation &amp; Purchase (E+J)</b>	<b>1871.37</b>	<b>1928.83</b>	<b>1733.47</b>	<b>1822.17</b>	<b>1870.96</b>	<b>1845.34</b>	<b>1894.19</b>	<b>1783.44</b>	<b>1870.75</b>	<b>1896.64</b>	<b>1893.50</b>	<b>2226.35</b>	<b>22637.01</b>
<b>L</b>	Energy injected by private developers at Generator end for sale outside state through open access													40.44
<b>M</b>	Energy purchased by consumers through open access at Kerala periphery													142.00
<b>N</b>	Energy sale outside the State by KSEBL													53.48
<b>O</b>	Energy injected by private developers at Kerala periphery for sale outside state through open access													38.63
<b>P</b>	<b>Net energy available for sale (K+L+M-N-O)</b>													<b>22727.34</b>
<b>Q</b>	Energy purchased by consumers through open access at consumer end													135.25
<b>R</b>	Energy sale inside the state by KSEBL													19325.07
<b>S</b>	<b>Energy sale with in the state including open access transactions (Q+R)</b>													<b>19460.32</b>
<b>S</b>	<b>Loss in KSEBL system (P-S)</b>													<b>3267.02</b>

**TABLE 11**  
**STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2016-17**

(in Million Units)

Sl. No	Stations	04/16	05/16	06/16	07/16	08/16	09/16	10/16	11/16	12/16	01/17	02/17	03/17	TOTAL
1	Idukki	238.62	149.52	96.94	57.21	93.77	128.19	144.27	82.00	73.86	76.24	84.53	153.92	1379.05
2	Sabarigiri	129.61	73.23	55.23	40.06	61.37	78.49	59.55	62.30	59.90	40.82	42.33	94.94	797.83
3	Idamalayar	26.48	17.77	11.12	4.36	12.99	13.05	7.94	4.97	12.21	15.10	20.71	25.25	171.96
4	Kuttiady (Units 1 to 6)	46.37	33.71	36.43	64.30	48.32	34.16	38.10	20.64	24.11	29.99	40.09	49.24	465.44
5	Poringalkuthu	2.19	1.70	8.52	26.07	20.78	15.19	5.26	4.22	1.15	5.73	5.34	4.38	100.52
6	PLBE	10.93	9.53	5.28	11.98	10.89	10.67	8.65	6.60	4.88	2.54	3.62	8.81	94.38
7	Sholayar	25.15	23.45	12.64	0.87	4.24	16.34	11.61	9.95	7.22	15.11	16.99	23.54	167.11
8	Pallivasal	14.67	16.61	16.40	20.03	20.06	18.04	15.51	9.67	7.49	6.17	4.84	16.53	166.01
9	Sengulam	8.23	10.88	11.18	19.96	19.22	12.53	9.72	5.24	3.31	2.60	2.33	10.38	115.58
10	Panniar	9.26	3.95	0.05	15.23	8.53	9.68	5.23	3.63	3.33	1.63	1.09	0.57	62.17
11	Neriamangalam+NES	14.33	11.15	19.32	48.81	34.66	24.14	14.53	9.18	6.14	3.62	2.75	7.60	196.25
12	Lower Periyar	13.16	11.46	39.37	87.70	63.41	35.60	21.54	12.50	7.71	3.63	3.18	8.95	308.22
13	Kakkad	18.66	11.90	11.62	11.02	12.03	12.31	9.01	9.11	8.47	6.15	6.66	13.70	130.63
14	Kallada	5.40	6.51	3.06	6.79	9.21	5.35	0.71	0.72	0.61	0.37	2.65	2.98	44.36
15	Peppara	0.44	0.16	0.00	0.12	0.05	0.61	0.52	0.31	0.60	0.52	0.40	0.21	3.95
16	Malankara	3.08	2.27	2.59	2.80	2.43	1.84	2.35	1.47	1.12	1.21	1.26	2.31	24.74
17	Madupetty	0.55	0.79	0.20	0.00	0.00	0.00	0.05	0.01	0.00	0.03	0.06	0.60	2.30
18	Chembukadavu	0.00	0.00	1.49	2.87	2.30	1.12	0.65	0.19	0.02	0.00	0.00	0.00	8.64
19	Urumi	0.00	0.00	2.23	3.14	2.35	1.03	0.26	0.04	0.00	0.00	0.00	0.00	9.03
20	Malampuzha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.21	0.00	0.00	0.63
21	Lower Meenmutty	0.02	0.32	0.68	0.50	0.25	0.11	0.19	0.32	0.07	0.02	0.00	0.00	2.48
22	Kuttiady Tail Race	0.74	0.56	0.46	0.71	0.71	0.55	0.57	0.10	0.29	0.43	0.47	0.74	6.35
23	Poozhithode	0.00	0.01	1.65	2.96	2.94	1.97	0.65	0.16	0.08	0.03	0.00	0.00	10.45
24	Ranni-Perinad	0.42	0.49	0.80	0.81	0.77	0.58	0.39	0.35	0.30	0.22	0.21	0.50	5.85
25	Peechi	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.40
26	Vilangad	0.00	0.00	1.87	4.68	4.81	2.72	0.97	0.49	0.16	0.08	0.01	0.00	15.78
27	Chimony	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.58	0.43	0.25	0.01	1.56
28	Adyanpara	0.00	0.00	0.45	1.36	1.44	1.02	0.49	0.17	0.08	0.00	0.00	0.00	5.01
29	Barapole	0.00	0.00	0.01	1.33	4.42	6.52	4.00	1.54	0.90	0.42	0.17	0.0124	19.32
30	Vellathooval SHEP	0.00	0.00	0.00	0.41	0.89	0.49	0.32	0.21	0.14	0.11	0.09	0.3782	3.05
	<b>Sub Total Hydro</b>	<b>568.45</b>	<b>385.97</b>	<b>339.57</b>	<b>434.33</b>	<b>437.53</b>	<b>425.28</b>	<b>358.74</b>	<b>244.60</b>	<b>224.12</b>	<b>212.88</b>	<b>240.05</b>	<b>425.15</b>	<b>4319.04</b>
A	Auxiliary Consumption	2.57	2.32	2.25	2.92	2.90	2.38	2.24	1.77	2.24	1.51	1.52	2.36	26.97
	<b>Net Hydro Generation</b>	<b>565.88</b>	<b>383.65</b>	<b>337.32</b>	<b>431.41</b>	<b>434.63</b>	<b>422.90</b>	<b>356.50</b>	<b>242.83</b>	<b>221.88</b>	<b>211.37</b>	<b>238.53</b>	<b>422.80</b>	<b>4292.06</b>
B	Wind	0.12	0.16	0.17	0.21	0.26	0.24	0.13	0.05	0.08	0.12	0.11	0.07	1.71
	Auxiliary Consumption	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Net Wind Generation</b>	<b>0.11</b>	<b>0.16</b>	<b>0.17</b>	<b>0.21</b>	<b>0.26</b>	<b>0.24</b>	<b>0.13</b>	<b>0.05</b>	<b>0.08</b>	<b>0.12</b>	<b>0.11</b>	<b>0.07</b>	<b>1.71</b>
C	Solar	0.12	0.08	0.10	0.04	0.19	0.32	0.47	0.41	0.73	0.75	0.86	1.12	5.20
	Auxiliary Consumption	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.03
	<b>Net Solar Generation</b>	<b>0.12</b>	<b>0.08</b>	<b>0.10</b>	<b>0.04</b>	<b>0.19</b>	<b>0.31</b>	<b>0.47</b>	<b>0.41</b>	<b>0.73</b>	<b>0.74</b>	<b>0.85</b>	<b>1.11</b>	<b>5.17</b>
D	<b>Thermal</b>													
1	BDPP,Brahmapuram	4.30	1.19	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	5.54
2	KDPP, Nallalam	27.98	7.30	0.00	0.22	0.35	0.00	0.50	0.47	0.37	0.00	0.07	0.75	38.01
	Sub Total Thermal	32.27	8.49	0.01	0.22	0.35	0.00	0.50	0.47	0.37	0.00	0.07	0.79	43.55
	Auxiliary Consumption	0.85	0.35	0.15	0.15	0.14	0.13	0.14	0.14	0.15	0.12	0.12	0.17	2.61
	<b>Net Thermal Generation</b>	<b>31.42</b>	<b>8.14</b>	<b>-0.14</b>	<b>0.07</b>	<b>0.21</b>	<b>-0.13</b>	<b>0.36</b>	<b>0.32</b>	<b>0.22</b>	<b>-0.12</b>	<b>-0.05</b>	<b>0.62</b>	<b>40.93</b>

Table 11 contd..

Sl. No	Stations	04/16	05/16	06/16	07/16	08/16	09/16	10/16	11/16	12/16	01/17	02/17	03/17	TOTAL
	<b>Total Internal Generation</b>	597.54	392.03	337.45	431.74	435.29	423.32	357.46	243.62	222.91	212.11	239.45	424.60	4317.51
	Auxiliary Consumption of Substations	1.35	1.34	1.30	1.13	1.20	1.18	1.23	1.19	1.24	1.19	1.19	1.29	14.84
<b>E</b>	<b>Total Internal Generation (excl. aux. cons.)</b>	<b>596.19</b>	<b>390.69</b>	<b>336.15</b>	<b>430.61</b>	<b>434.09</b>	<b>422.14</b>	<b>356.22</b>	<b>242.43</b>	<b>221.68</b>	<b>210.92</b>	<b>238.25</b>	<b>423.31</b>	<b>4325.04</b>
<b>F</b>	<b>Central Generating Stations at Kerala periphery</b>	<b>904.68</b>	<b>913.31</b>	<b>779.98</b>	<b>799.80</b>	<b>818.03</b>	<b>821.50</b>	<b>845.81</b>	<b>801.42</b>	<b>847.16</b>	<b>906.35</b>	<b>850.40</b>	<b>917.37</b>	<b>10205.80</b>
<b>G</b>	<b>IPPs</b>													
	RGCCPP (NPTC Kayamkulam)	14.30	-0.79	-0.65	-0.63	-0.68	-0.71	-0.72	-0.65	-0.66	-0.72	-0.63	-0.70	6.77
	Wind	4.11	6.80	13.02	13.87	17.29	13.76	7.44	2.23	3.50	3.45	3.76	3.09	92.32
	Ullunkal	1.40	1.08	1.68	1.76	1.51	1.17	0.84	0.89	0.68	0.42	0.44	1.11	12.98
	Iruttukkanam I & II	0.29	0.47	2.93	4.17	4.16	3.49	2.02	0.99	0.60	0.31	0.17	0.40	19.98
	Karikkayam	2.09	1.83	3.05	3.34	2.56	1.85	1.30	1.41	1.01	0.62	0.71	2.04	21.80
	Meenvallom	0.06	0.08	0.72	1.86	1.04	0.72	0.52	0.46	0.22	0.12	0.08	0.10	5.98
	Kallar													0.03
	Mankulam Grama (No Suggestions)													0.08
	Injection to grid by PCBL for open access	0.01	-0.02	0.02	-0.01	-0.02	0.07	0.08	0.20	0.15	0.21	-0.36	0.07	0.41
	<b>Sub Total IPPs</b>	<b>22.27</b>	<b>9.47</b>	<b>20.77</b>	<b>24.36</b>	<b>25.85</b>	<b>20.35</b>	<b>11.47</b>	<b>5.53</b>	<b>5.51</b>	<b>4.41</b>	<b>4.18</b>	<b>6.11</b>	<b>160.36</b>
	<b>Hydro Captive Power Plants (Net injection)</b>													
	Maniyar	1.49	0.14	2.88	1.97	-0.33	1.30	-1.74	-0.39	0.89	0.55	0.52	-0.66	6.62
	Kuthungal	0.96	-0.09	-0.35	0.28	0.38	0.25	0.39	0.31	-0.01	-0.15	-0.11	-0.10	1.76
	Sub total	<b>2.45</b>	<b>0.06</b>	<b>2.53</b>	<b>2.25</b>	<b>0.05</b>	<b>1.55</b>	<b>-1.35</b>	<b>-0.08</b>	<b>0.88</b>	<b>0.40</b>	<b>0.41</b>	<b>-0.76</b>	<b>8.37</b>
	<b>Solar IPPs</b>													
	Hindalco	0.15	0.13	0.09	0.12	0.14	0.14	0.14	0.13	0.14	0.15	0.13	0.16	1.61
	Anert, Kuzhalmandam	0.00	Deviation in	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.26	0.28	0.28	0.93
	Ambalathara -Solar Park IPP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	1.72	2.50	3.12	7.55
	Sub total	<b>0.15</b>	<b>0.13</b>	<b>0.09</b>	<b>0.12</b>	<b>0.14</b>	<b>0.14</b>	<b>0.14</b>	<b>0.13</b>	<b>0.46</b>	<b>2.13</b>	<b>2.91</b>	<b>3.56</b>	<b>10.09</b>
<b>H</b>	<b>Sub total IPPs/CPPs</b>	<b>24.87</b>	<b>9.65</b>	<b>23.39</b>	<b>26.72</b>	<b>26.04</b>	<b>22.04</b>	<b>10.26</b>	<b>5.58</b>	<b>6.84</b>	<b>6.94</b>	<b>7.49</b>	<b>8.91</b>	<b>178.83</b>
	<b>Power purchase through traders (KSEB bus)</b>													
	Power purchase through exchanges	64.79	57.78	2.40	0.00	1.31	8.04	63.06	111.12	99.25	71.46	49.25	73.46	601.93
	Power purchase through MTOA & STOA	461.03	479.76	202.22	177.33	254.01	261.69	249.06	273.21	261.20	267.63	233.62	191.02	3311.78
	Power purchase through LTOA	151.95	177.73	355.45	368.71	354.98	267.31	350.28	372.59	385.17	381.25	392.95	446.08	4004.45
	Swap Return	0.31	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.10	6.68
	Deviation settlement mechanism(Net)	63.03	60.73	49.81	43.06	31.02	34.41	73.60	89.97	86.52	80.31	62.68	65.58	740.70
<b>I</b>	<b>Sub Total Power Purchase excluding PGCIL losses</b>	<b>741.11</b>	<b>776.28</b>	<b>609.87</b>	<b>589.10</b>	<b>641.32</b>	<b>571.45</b>	<b>735.99</b>	<b>846.89</b>	<b>832.13</b>	<b>800.65</b>	<b>738.50</b>	<b>782.24</b>	<b>8665.54</b>
<b>J</b>	<b>Total power purchase (F+H+I)</b>	<b>1670.65</b>	<b>1699.23</b>	<b>1413.25</b>	<b>1415.63</b>	<b>1485.38</b>	<b>1414.98</b>	<b>1592.06</b>	<b>1653.89</b>	<b>1686.13</b>	<b>1713.94</b>	<b>1596.39</b>	<b>1708.52</b>	<b>19050.16</b>
<b>K</b>	<b>Net Generation &amp; Purchase at Kerala Periphery</b>	<b>2266.84</b>	<b>2089.92</b>	<b>1749.40</b>	<b>1846.23</b>	<b>1919.48</b>	<b>1837.12</b>	<b>1948.28</b>	<b>1896.32</b>	<b>1907.81</b>	<b>1924.86</b>	<b>1834.65</b>	<b>2131.83</b>	<b>23375.20</b>
<b>L</b>	Energy injected by private developers at Generator end for sale outside state through open access	3.95	4.05	4.03	4.02	3.79	3.75	4.05	3.66	3.90	3.62	2.47	3.79	45.08
<b>M</b>	Energy purchased by consumers through open access at Kerala periphery	11.33	31.90	38.80	37.42	35.75	38.06	39.63	36.62	39.65	44.79	40.20	41.45	435.60
<b>N</b>	Energy sale outside the State by KSEBL	0.07	0.00	9.47	37.12	2.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-49.30
<b>O</b>	Energy injected by private developers at Kerala periphery for sale outside state through open access	-3.78	-3.87	-3.85	-3.84	-3.62	-3.58	-3.87	-3.50	-3.73	-3.46	-2.36	-3.62	-43.06
<b>P</b>	<b>Net energy available for sale (K+L+M+N+O)</b>	<b>2278.41</b>	<b>2122.01</b>	<b>1797.85</b>	<b>1920.95</b>	<b>1958.04</b>	<b>1875.35</b>	<b>1988.09</b>	<b>1933.10</b>	<b>1947.63</b>	<b>1969.81</b>	<b>1874.96</b>	<b>2173.45</b>	<b>23763.53</b>
<b>Q</b>	Energy purchased by consumers through open access at consumer end	10.79	30.38	36.92	35.59	34.00	36.21	37.74	34.87	37.75	42.67	38.29	39.46	414.66
<b>R</b>	Energy sale inside the state by KSEBL	1890.16	1770.29	1650.52	1567.17	1674.54	1619.98	1641.48	1539.37	1667.91	1643.73	1599.57	1773.52	20038.25
<b>S</b>	<b>Energy sale with in the state including open access transactions (Q+R)</b>	<b>1900.95</b>	<b>1800.67</b>	<b>1687.44</b>	<b>1602.76</b>	<b>1708.55</b>	<b>1656.18</b>	<b>1679.22</b>	<b>1574.25</b>	<b>1705.65</b>	<b>1686.40</b>	<b>1637.86</b>	<b>1812.98</b>	<b>20452.91</b>
<b>T</b>	<b>Loss in KSEBL system (P-S)</b>	<b>377.46</b>	<b>321.34</b>	<b>110.40</b>	<b>318.19</b>	<b>249.49</b>	<b>219.17</b>	<b>308.87</b>	<b>358.85</b>	<b>241.98</b>	<b>283.42</b>	<b>237.10</b>	<b>360.47</b>	<b>3386.76</b>

**TABLE 12**  
**STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS & SYSTEM LOSSES FOR 2017-18**

(in Million Units)														
Sl. No	Stations	04/17	05/17	06/17	07/17	08/17	09/17	10/17	11/17	12/17	01/18	02/18	03/18	TOTAL
<b>A</b>	<b>KSEBL Internal Generation</b>													
1	Idukki	205.73	158.37	82.65	88.05	80.33	103.44	110.71	96.85	110.3	152.4	175.35	244.94	1609.11
2	Sabarigiri	116.77	91.46	47.59	66.74	50.57	78.12	68.22	69.41	84.7	70.13	58.61	145.01	947.34
3	Idamalayar	29.1	22.72	15.58	9.49	8.27	24.9	20.25	16.45	18.58	26.57	22.17	42.52	256.6
4	Kuttiady	48.82	37.36	34.86	69.85	61.59	88.6	74.75	42.59	31.01	26	37.92	47.02	600.37
5	Poringalkuthu + PLBE	11.82	10.72	15.61	31.24	32.43	31.64	28.87	20.54	15.21	13.19	10.29	12.14	233.7
6	Sholayar	21.91	17.09	6.48	0.4	0.02	16.16	25.76	24.33	25.17	24.75	19.06	23.11	204.25
7	Pallivasal	14.78	17.24	13.93	18.26	19.19	18.99	19.86	13.1	13.59	12.75	11.37	15.39	188.45
8	Sengulam	9.22	10.53	10.06	14.92	20.33	19.72	19.66	11.04	9.97	8.15	7.55	3.76	144.91
9	Panniar	4.86	4.56	3.61	3.6	9.28	22.5	21.57	16.71	13.79	2.57	7.03	19.58	129.65
10	Neriamangalam+NES	10.17	10.98	20.15	24.4	48.06	52.72	47.54	29.29	22.96	8.59	11.03	22.38	308.28
11	Lower Periyar	10.16	11.67	36.8	44.29	105.67	105.65	74.44	45.05	28.44	11.79	12.39	21.66	508.01
12	Kakkad	16.41	13.74	10.18	11.75	13.79	17.5	11.7	10.76	12.34	10.54	8.95	22.33	159.97
13	Kallada	2.4	0.32	0	0.36	0.29	2.16	5.6	5.19	5.84	1.54	2.35	6.5	32.55
14	Peppara	0.18	0	0.02	0.29	0.23	0.7	1.46	1.22	0.54	0.45	0.1	0.1	5.29
15	Malankara	2.85	2.41	2.37	2.52	2.99	3.12	2.79	2.22	1.95	2.19	2.4	3.35	31.17
16	Madupetty	0.5	0.55	0.12	0.01	0	0	0	0	0.15	0.28	0.94	0.6	3.15
17	Chembukadavu I & II	0	0	1.58	2.73	2.74	2.03	1.3	0.26	0.01	0	0	0	10.64
18	Urumi	0	0	1.55	2.8	3.09	2.39	1.33	0.17	0.01	0	0	0	11.34
19	Malampuzha	0	0	0	0	0	0	0	0.27	0.53	0.51	0	0	1.31
20	Lower Meenmutty	0	0.17	0.54	0.26	0.44	1.11	0.9	0.84	0.58	0.12	0.05	0.03	5.04
21	Kuttiady Tail Race	0.83	0.61	0.49	0.93	0.87	0.98	0.86	0.68	0.42	0.42	0.51	0.66	8.26
22	Poozhithode	0	0.01	1.92	2.79	3.04	1.99	1.55	0.21	0.1	0.04	0	0	11.64
23	Ranni-Perinad	0.51	0.48	0.36	0.69	0.82	0.83	0.7	0.59	0.41	0.22	0.13	0.58	6.31
24	Peechi	0	0	0	0	0	0	0	0	0.52	0.17	0.21	0.22	1.13
25	Vilangad	0	0.04	1.97	4.29	4.6	2.49	1.39	0.36	0.14	0.04	0	0	15.32
26	Chimony	0	0	0	0	0	0	0	0	0.4	1.32	0.97	0.72	3.41
27	Adyanpara	0	0.01	0.34	0.65	1.57	0.74	0	0.27	0.11	0.03	0	0	3.74
28	Barapole	0.01	0.01	3.11	8.65	9.8	9.36	5.88	1.91	1.04	0.37	0.11	0.03	40.29
29	Vellathooval SHEP	0.34	0.33	0.31	0.53	1.21	1.09	0.52	0.13	0.07	0	0	0	4.53
30	Perunthenaravi	0	0	0	0	0	0	0	1.88	0.92	0.14	0.16	0.03	3.14
31	Poringalkuthu Micro	0.01	0	0.01	0.01	0.01	0	0	0.01	0	0	0.01	0.01	0.05
<b>Ia</b>	<b>KSEBL Hydro Gross</b>	<b>155.78</b>	<b>411.39</b>	<b>312.19</b>	<b>410.49</b>	<b>481.23</b>	<b>608.91</b>	<b>547.61</b>	<b>412.32</b>	<b>399.8</b>	<b>375.28</b>	<b>389.66</b>	<b>632.69</b>	<b>5488.94</b>
	Auxiliary Consumption (Hydro Generating station )	2.43	2.43	2.04	2.56	3.02	3.21	3.15	2.24	2.28	2.15	2.03	2.39	29.93
<b>Ib</b>	<b>KSEBL Net Hydro</b>	<b>504.95</b>	<b>408.96</b>	<b>310.15</b>	<b>407.92</b>	<b>478.21</b>	<b>605.7</b>	<b>544.45</b>	<b>410.08</b>	<b>397.52</b>	<b>373.13</b>	<b>387.63</b>	<b>630.3</b>	<b>5458.99</b>
<b>IIa</b>	<b>KSEBL Wind</b>													
1	Kanjikode	0.17	0.17	0.16	0.19	0.16	0.09	0.08	0.06	0.1	0.09	0.12	0.09	1.48
	Auxiliary consumption wind	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>IIb</b>	<b>Net Generation wind (KSEBL)</b>	<b>0.17</b>	<b>0.17</b>	<b>0.16</b>	<b>0.19</b>	<b>0.16</b>	<b>0.09</b>	<b>0.08</b>	<b>0.06</b>	<b>0.1</b>	<b>0.09</b>	<b>0.12</b>	<b>0.09</b>	<b>1.48</b>

Table 12 Contd..

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

(in Million Units)

Sl. No	Stations	04/17	05/17	06/17	07/17	08/17	09/17	10/17	11/17	12/17	01/18	02/18	03/18	TOTAL
<b>IIIa</b>	<b>KSEBL Solar</b>													
1	Total solar	1.17	1.04	0.78	0.87	0.85	0.93	1.10	1.12	1.69	1.22	1.25	1.43	13.45
	Auxiliary Consumption Solar	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>IIIb</b>	<b>KSEBL Net Solar</b>	<b>1.17</b>	<b>1.04</b>	<b>0.78</b>	<b>0.87</b>	<b>0.85</b>	<b>0.93</b>	<b>1.10</b>	<b>1.12</b>	<b>1.69</b>	<b>1.22</b>	<b>1.25</b>	<b>1.43</b>	<b>13.45</b>
<b>IV a</b>	<b>KSEBL Thermal</b>													
1	BDPP,Brahmapuram	0	0	0	0	0.31	0	0	0	0	0	0	0.15	0.46
2	KDPP, Nallalam	0.13	0.18	0	0	0.09	0	0	0	0	0	0.09	0.92	1.4
	Auxiliary Thermal	0.13	0.12	0.1	0.11	0.13	0.1	0.11	0.11	0.1	0.11	0.09	0.12	1.31
<b>IVb</b>	<b>KSEBL Net Thermal Generation</b>	<b>0</b>	<b>0.06</b>	<b>-0.1</b>	<b>-0.11</b>	<b>0.28</b>	<b>-0.1</b>	<b>-0.11</b>	<b>-0.11</b>	<b>-0.1</b>	<b>-0.11</b>	<b>0</b>	<b>0.95</b>	<b>0.55</b>
<b>A</b>	<b>Net Generation- KSEBL (Ib+IIb+IIIb+IVb)</b>	<b>506.29</b>	<b>410.23</b>	<b>310.99</b>	<b>408.87</b>	<b>479.50</b>	<b>606.62</b>	<b>545.52</b>	<b>411.15</b>	<b>399.21</b>	<b>374.33</b>	<b>389.00</b>	<b>632.77</b>	<b>5474.48</b>
<b>B</b>	<b>Power Purchase</b>													
<b>Va</b>	<b>Central Generating Stations at Kerala periphery ( KSEB end)</b>													
1	RSTPS ( Unit 1 to 6)	136.64	151.81	133.03	158.57	166.71	145.99	154.46	142.72	126.47	96.19	138.3	156.01	1706.9
2	RSTPS ( Unit 7)	39.52	41.02	33.38	37.37	39.15	37.4	40.87	38.7	38.65	31.36	31.09	40.88	449.39
3	EASTERN REGION	0	0	0	0	0	0	0	0	0	0	0	0	0
4	IGSTPS(JHAJJAR)	0	0	0	0	0	0	0	0	0	0	0	0	0
5	TALCHER STAGE II	253.35	242.69	254.65	242.1	213.59	225.74	238.66	264.18	283.64	279.63	246.77	284.52	3029.52
6	Simhadri TPS Stage II	43.83	62.38	53.09	60.24	50.3	24.97	34.14	47.49	52.15	54.8	49.62	52.23	585.24
7	Kudgi STPS	0	0	0	0	29.36	18.19	19.35	17.81	17.91	19.03	33.88	47.15	202.68
8	NLC II STAGE 1	38.71	47.64	31.41	32.08	47.16	30.65	31.64	22.69	23.76	25.56	29.73	40.84	401.85
9	NLC II STAGE 2	55.29	61.42	36.42	59.53	48.91	53.43	51.11	47.97	48.64	47.26	43.75	59.33	613.06
10	NLC I EXPANSION	42.4	25.62	36.75	43	42.56	40.13	42.92	37.78	34.63	27.75	35.97	43.48	452.98
11	NLC II EXPANSION	35.16	26.34	28.82	28.99	12.08	24.27	20.93	30.85	13.07	35.14	19.94	16.21	291.81
12	NTPL	44.08	40.9	23.28	47.47	49.9	16.87	28.54	37.89	39.27	28.45	34.58	47.49	438.71
13	VALLUR STPS	30.49	33.02	20.66	24.94	23.01	16.02	17.24	20.23	20.49	16.28	15.61	24.74	262.73
14	MAPS	5.22	6.48	9.18	12.73	13.67	13.48	13.93	13.31	14.53	10.07	6.06	6.66	125.32
15	KAPS I & II	20.93	24.43	23.84	24.82	24.79	23.96	24.73	24.08	24.94	24.97	22.41	24.81	288.72
16	KAPS III& IV	22.26	22.83	22.27	23.21	23.23	22.48	23.15	20.42	11.15	20.81	20.99	23.11	255.92
17	KKNPP	27.59	0	0	0	0	74.58	61.2	88.73	52.33	77.64	84.26	78.22	544.56
18	KKNPP unit 2	53.88	37.24	77.45	89.18	7.33	0	0	10.24	84.96	89.43	51.88	0	501.59
<b>Vb</b>	<b>TOTAL CGS</b>	<b>849.35</b>	<b>823.82</b>	<b>784.22</b>	<b>884.22</b>	<b>791.76</b>	<b>768.15</b>	<b>802.86</b>	<b>865.1</b>	<b>886.61</b>	<b>884.35</b>	<b>864.85</b>	<b>945.69</b>	<b>10150.98</b>
<b>VI.a</b>	<b>Thermal IPPs/Co-Gen</b>													
1	RGCCPP actual Gen	0	0	0	0	4.05	0	0	0	0	0	0	0	4.05
2	BSES	0	19.47	42.65	0	0	0	0	0	0	0	0	0	62.12
3	MPS Steel(Co-Gen Plant)Net injection to Grid	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PCBL (Co-Gen Plant)Net injection to grid	0.13	0.19	0.2	0.15	0.21	0.12	0.18	0.17	0.18	0.22	0.18	0.2	2.14
<b>VI.b</b>	<b>Thermal IPPs /Co-Gen total</b>	<b>0.13</b>	<b>19.66</b>	<b>42.85</b>	<b>0.15</b>	<b>4.26</b>	<b>0.12</b>	<b>0.18</b>	<b>0.17</b>	<b>0.18</b>	<b>0.22</b>	<b>0.18</b>	<b>0.2</b>	<b>68.31</b>
<b>VIIa</b>	<b>IPPs-Small hydro(net)</b>													
1	Ullunkal (EDCL)	1.32	1.15	1.36	1.34	2.31	2.49	1.73	1.49	1.17	0.81	0.68	1.92	17.79
2	Iruttukanam(VIYYAT)	0.24	0.37	2.14	4.08	4.22	4.06	3.97	2.93	1.35	0.61	0.4	0.32	24.69

Table 12 Contd..



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

(in Million Units)

Sl. No	Stations	04/17	05/17	06/17	07/17	08/17	09/17	10/17	11/17	12/17	01/18	02/18	03/18	TOTAL
3	Kaarikkayam (AHPL)	2.42	2.24	3.32	3	5.4	6.46	3.71	2.87	2.07	1.43	1.22	3.42	37.56
4	Meenvallam (PSHCL)	0.06	0.08	0.61	1.03	1.78	1.77	1.99	0.5	0.31	0.16	0.11	0.04	8.44
5	Pathankayam (MREPPL)	0	0	0	2	3.73	2.74	2.03	0.46	0.12	0	0	0	11.09
6	Mankulam GP	0	0.09	0	0	0	0	0	0	0	0	0	0	0.09
7	Kallar	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.08
VIIb	<b>IPPs-Small hydro Total</b>	4.04	3.93	7.43	11.45	17.44	17.53	13.44	8.26	5.03	3.02	2.43	5.71	99.74
VIIIa	<b>Captive Power plants</b>													
1	Maniyar IPP hydel net	-2.72	-4.44	-0.09	-0.65	0.49	-1.3	-4.12	0.32	0.14	0.08	0.04	0.27	-11.98
2	Kuthungal IPP hydel net	1.06	-0.87	0.1	0.06	0.52	1.56	0.01	0.27	0.91	0.27	0.11	0.65	4.65
VIIIb	<b>CPP -Total</b>	-1.66	-5.31	0.01	-0.59	1.01	0.26	-4.11	0.59	1.05	0.35	0.15	0.92	-7.33
IX.a	<b>Wind IPPs</b>													
1	Ramakkalmedu, Wind	1.05	2	5.39	5.71	4.17	2.69	1.41	0.89	1.43	1	1.2	0.95	27.87
2	Agali, Wind	2.68	3.46	6.79	5.49	4.86	3.26	0.78	0.38	0.53	0.25	0.31	0.96	29.72
3	Koundikkal	1.01	1.21	2.26	1.85	1.51	1.15	2.27	0.2	0.36	0.16	0.2	0.38	12.56
4	Ahalya Wind	2.23	2.43	2.36	2.75	2.5	1.63	1.49	0.92	1.21	1.01	1.22	1.22	20.98
5	INOX	4.03	0	0	0	0.81	1.74	1.71	1.27	1.75	1.61	1.86	1.55	16.33
6	Kosamattam	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01
IX.b	<b>Wind IPPs Total</b>	11	9.1	16.8	15.8	13.85	10.47	7.66	3.66	5.28	4.03	4.79	5.07	107.47
Xa	<b>Solar IPPs /Prosumer</b>													
1	Anert, Kuzhalmandam	0.25	0.24	0.18	0.19	0.18	0.22	0.23	0.22	0.25	0.33	0.23	0.28	2.79
2	Ambalathara -Solar Park IPP	3.76	4.25	1.62	2.16	1.63	3.27	4.95	4.46	5.88	5.8	4.95	6.97	49.69
3	CIAL net injection-solar prosumer	0.22	0.16	0.03	0.06	0.17	0.28	0.27	0.18	0.05	0.36	0.66	0.17	2.6
4	Grid connected consumers net injection	0.13	0.11	0.08	0.09	0.09	0.10	0.12	0.12	0.18	0.13	0.14	0.15	1.46
Xb	<b>Solar IPPs Total</b>	4.36	4.76	1.91	2.50	2.07	3.87	5.57	4.98	6.36	6.62	5.98	7.57	56.54
	<b>Total IPPS, CPP and Co-gen (VIb+VIIb+VIIIb+IXb+Xb)</b>	<b>17.87</b>	<b>32.14</b>	<b>69.00</b>	<b>29.31</b>	<b>38.63</b>	<b>32.25</b>	<b>22.74</b>	<b>17.66</b>	<b>17.90</b>	<b>14.24</b>	<b>13.53</b>	<b>19.47</b>	<b>324.73</b>
	<b>Traders</b>													
XI.a	<b>LTOA contracts</b>													
1	Maithon I	87.19	93.50	93.77	95.25	101.08	98.04	81.92	45.01	50.88	91.14	89.34	95.14	1022.25
2	Maithon-II	74.99	93.51	93.77	95.25	101.08	98.04	81.92	45.01	50.88	91.03	89.35	95.15	1009.96
3	DVC Mejia	65.92	59.09	62.11	43.94	34.32	30.27	22.53	28.25	34.34	42.74	57.41	64.51	545.43
4	DVC RTPS	5.96	33.03	14.12	11.40	9.96	8.70	1.68	9.42	10.18	7.96	8.30	8.49	129.20
5	Jindal-I	123.58	125.43	124.30	130.98	114.43	115.33	116.73	126.91	128.74	123.44	101.58	68.62	1400.07
6	Jhabua-I	74.64	76.05	75.65	56.05	54.50	39.44	37.06	58.92	73.09	77.76	52.54	62.11	737.79
7	Balco	0.00	0.00	0.00	0.00	0.00	0.00	54.77	65.75	55.37	59.54	53.17	27.89	316.49
8	Jindal-II	0.00	0.00	0.00	0.00	0.00	0.00	91.32	95.18	94.09	92.51	76.07	53.38	502.57
9	Jhabua-II	0.00	0.00	0.00	0.00	0.00	0.00	22.06	50.16	44.33	67.62	45.77	54.04	283.97
10	JITPL	0.00	0.00	0.00	0.00	0.00	0.00	68.80	63.29	68.18	68.08	57.41	64.25	390.01
XI.b	<b>Sub Total LTOA</b>	<b>432.27</b>	<b>480.61</b>	<b>463.72</b>	<b>432.87</b>	<b>415.36</b>	<b>389.80</b>	<b>578.79</b>	<b>587.88</b>	<b>610.08</b>	<b>721.82</b>	<b>630.95</b>	<b>593.58</b>	<b>6337.72</b>
XII.a	<b>Short Term Contracts</b>													
1	PTC-Jindal	135.11	140.58	136.6	0	0	0	0	0	0	0	0	0	412.28

Table 12 Contd..

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

(in Million Units)

Sl. No	Stations	04/17	05/17	06/17	07/17	08/17	09/17	10/17	11/17	12/17	01/18	02/18	03/18	TOTAL
2	Tata-JITPL	72.99	73.56	0	0	0	0	0	0	0	0	0	0	146.55
XII.b	<b>Sub Total STOA</b>	<b>208.1</b>	<b>214.13</b>	<b>136.6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>558.83</b>
	<b>Power Exchanges</b>													
XII.a	<b>TAM</b>													
1	IEX	0	6.99	0	0	2	1.39	0	0.41	0	0	0.21	0	11.00
2	PXIL	0.19	0	0	3.81	10.86	0.85	0	0	0	0	0	2.25	17.96
XII.b	<b>TAM Sub Total</b>	<b>0.19</b>	<b>6.99</b>	<b>0</b>	<b>3.81</b>	<b>12.86</b>	<b>2.24</b>	<b>0</b>	<b>0.41</b>	<b>0</b>	<b>0</b>	<b>0.21</b>	<b>2.25</b>	<b>28.96</b>
XIII.a	<b>DAM</b>													
1	IEX	90.88	114.14	35.45	86.41	141.47	47.52	13.66	0.61	1.62	0	0.02	11.29	543.07
2	PXIL	25.09	3.51	2.3	3.98	33.47	0.85	0	0	0	0	0	0	69.2
XIII.b	<b>DAM Sub Total</b>	<b>115.97</b>	<b>117.65</b>	<b>37.75</b>	<b>90.39</b>	<b>174.94</b>	<b>48.37</b>	<b>13.66</b>	<b>0.61</b>	<b>1.62</b>	<b>0</b>	<b>0.02</b>	<b>11.29</b>	<b>612.27</b>
XIV	<b>KPTCL-Overarching</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.37</b>	<b>0.78</b>	<b>1.15</b>
XV	<b>GMRETL-Swap</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26.5</b>	<b>27.33</b>	<b>27.27</b>	<b>24.58</b>	<b>27.22</b>	<b>132.9</b>
XVI	<b>Deviation Settlement Mechanism (Net)</b>	<b>64.08</b>	<b>62.08</b>	<b>52.93</b>	<b>56.89</b>	<b>67.18</b>	<b>50.51</b>	<b>41.57</b>	<b>40.9</b>	<b>35.99</b>	<b>19.81</b>	<b>32.64</b>	<b>45.07</b>	<b>569.7</b>
B	<b>Total Power Purchase at Kerala Periphery ((Sum(Vb to XIIIb)+XIV +XV+XVI)</b>	<b>1687.82</b>	<b>1737.42</b>	<b>1544.22</b>	<b>1497.49</b>	<b>1500.73</b>	<b>1291.32</b>	<b>1459.62</b>	<b>1539.06</b>	<b>1579.54</b>	<b>1667.49</b>	<b>1567.14</b>	<b>1645.36</b>	<b>18717.22</b>
C	<b>Total KSEBL Generation &amp; Power Purchase (A+B)</b>	<b>2194.12</b>	<b>2147.66</b>	<b>1855.21</b>	<b>1906.36</b>	<b>1980.23</b>	<b>1897.94</b>	<b>2005.15</b>	<b>1950.21</b>	<b>1978.74</b>	<b>2041.82</b>	<b>1956.14</b>	<b>2278.12</b>	<b>24191.70</b>
D	<b>Substation Auxiliary consumption</b>	<b>1.37</b>	<b>1.28</b>	<b>1.1</b>	<b>1.11</b>	<b>1.11</b>	<b>1.13</b>	<b>1.16</b>	<b>1.18</b>	<b>1.16</b>	<b>1.14</b>	<b>1.1</b>	<b>1.28</b>	<b>14.12</b>
E	<b>Net Generation and Power Purchase (C-D)</b>	<b>2192.75</b>	<b>2146.38</b>	<b>1854.11</b>	<b>1905.25</b>	<b>1979.12</b>	<b>1896.81</b>	<b>2003.99</b>	<b>1949.03</b>	<b>1977.58</b>	<b>2040.68</b>	<b>1955.04</b>	<b>2276.84</b>	<b>24177.57</b>
F	Energy injected by private developers at Generator end for sale outside the state through open access	3.75	3.73	3.77	4.14	4.13	4.12	2.52	3.92	4.10	3.62	3.43	3.91	45.15
G	Energy purchased by consumers through open access at Kerala periphery	29.76	26.59	34.35	40.54	29.31	12.06	12.68	14.69	28.89	24.03	19.98	12.08	284.96
	<b>Out side State Sale by KSEBL</b>													
a	IEX Sale - DAM( Kerala Periphery)	0.00	0.00	-0.37	-0.20	0.00	-0.06	-18.68	-0.97	-8.40	-36.85	-33.84	-17.12	-116.49
b	PXIL sale TAM ( Kerala Periphery)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.23	-0.79	0.00	-1.02
c	Total Sale outside the state(a+b)	0.00	0.00	-0.37	-0.20	0.00	-0.06	-18.68	-0.97	-8.40	-37.08	-34.63	-17.12	-117.51
d	GMRETL-Swap sale	0.00	0.00	0.00	-6.06	0.00	-0.24	0.00	0.00	0.00	0.00	0.00	0.00	-6.31
H	Energy sale outside the State by KSEBL and Swap return(c+d)	0.00	0.00	-0.37	-6.27	0.00	-0.30	-18.68	-0.97	-8.40	-37.08	-34.63	-17.12	-123.82
I	Energy injected by private developers at Kerala periphery for sale outside state through open access	-3.58	-3.56	-3.60	-3.95	-3.90	-3.93	-2.41	-3.75	-3.92	-3.46	-3.27	-3.73	-43.07
J	<b>Net energy available for sale inside the state (E+F+G+H+I)</b>	<b>2222.68</b>	<b>2173.14</b>	<b>1888.26</b>	<b>1939.72</b>	<b>2008.66</b>	<b>1908.76</b>	<b>1998.10</b>	<b>1962.92</b>	<b>1998.25</b>	<b>2027.79</b>	<b>1940.54</b>	<b>2271.98</b>	<b>24340.79</b>
K	Energy purchased by consumers through open access at consumer end	28.31	25.3	32.67	38.5	27.15	11.44	12.02	13.93	27.38	22.79	18.94	11.44	269.86
L	Energy sale inside the state by KSEBL	1846.04	1790.38	1666.44	1640.51	1742.87	1697.51	1684.21	1711.31	1715.71	1749.25	1729.32	1907.15	20880.70
M	<b>Energy given to RGCCPP for meeting auxiliary consumption during non operational period</b>													<b>8.63</b>
N	<b>Energy sale with in the state including open access and aux power to RGCCPP . (K+L+M)</b>	<b>1874.35</b>	<b>1815.68</b>	<b>1699.11</b>	<b>1679.01</b>	<b>1770.02</b>	<b>1708.95</b>	<b>1696.23</b>	<b>1725.24</b>	<b>1743.09</b>	<b>1772.04</b>	<b>1748.26</b>	<b>1918.59</b>	<b>21159.19</b>
O	<b>Loss in KSEBL system (J-N)</b>	<b>348.33</b>	<b>357.46</b>	<b>189.16</b>	<b>260.71</b>	<b>238.64</b>	<b>199.80</b>	<b>301.86</b>	<b>237.68</b>	<b>255.16</b>	<b>255.76</b>	<b>192.28</b>	<b>353.39</b>	<b>3181.61</b>

TABLE 13

## STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS &amp; SYSTEM LOSSES FOR 2018-19

(in Million Units)														
Sl. No	Stations	04/18	05/18	06/18	07/18	08/18	09/18	10/18	11/18	12/18	01/19	02/19	03/19	TOTAL
A	<b>KSEBL Internal Generation</b>													
1	Idukki	261.20	234.62	105.68	223.67	456.18	323.37	321.41	190.30	134.96	159.63	233.60	276.87	2921.48
2	Sabarigiri	163.01	155.13	110.56	151.11	180.01	180.61	164.56	118.93	67.96	61.24	40.57	119.50	1513.19
3	Idamalayar	36.47	31.50	11.23	20.35	45.67	49.54	33.66	17.18	17.47	21.15	27.91	33.35	345.47
4	Kuttiyadi+KES+KAES	51.38	39.42	70.42	123.52	133.29	70.26	66.60	34.70	19.31	18.97	24.64	40.22	692.75
5	Poringalkuthu & PLBE	12.37	6.72	33.32	40.65	20.92	11.62	15.06	11.14	6.94	10.18	10.76	13.07	192.74
6	Sholayar	21.91	16.40	17.59	4.11	24.79	23.83	17.88	7.88	7.85	16.04	20.72	23.62	202.63
7	Pallivasal	17.06	17.30	18.55	19.24	13.65	17.48	19.17	15.64	13.39	9.83	10.65	13.29	185.25
8	Sengualm	0.00	9.37	10.44	13.22	14.22	11.28	11.51	12.55	11.64	8.99	9.03	10.78	123.03
9	Panniyar	10.62	12.74	16.75	23.03	10.93	0.00	0.00	2.55	11.21	7.12	8.48	11.52	114.95
10	Neriamangalam+ NES	12.65	22.00	43.21	54.28	45.66	41.81	54.42	35.64	23.38	13.93	13.72	17.14	377.84
11	Lower Periyar	13.75	24.63	81.78	109.48	40.08	23.85	104.17	50.55	28.80	15.90	14.50	16.77	524.26
12	Kakkad	22.00	22.30	20.35	26.40	26.90	24.25	23.54	16.58	9.57	9.37	4.48	15.84	221.57
13	Kallada	5.21	3.54	6.25	10.56	11.05	6.71	4.25	5.96	1.75	1.66	5.42	5.98	68.34
14	Peppara	0.10	0.16	0.85	1.38	1.33	0.53	0.80	1.22	0.42	0.49	0.48	0.48	8.23
15	Malankara	3.34	3.47	2.97	2.56	1.95	2.40	3.15	2.68	1.96	2.20	2.90	3.68	33.25
16	Maduppatty	0.67	0.39	0.07	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.40	1.63
17	Chembukadavu I&II	0.00	0.00	2.34	3.10	1.18	0.12	0.32	0.04	0.00	0.00	0.00	0.00	7.11
18	Urumi I&II	0.00	0.00	1.70	2.87	1.39	0.29	0.55	0.06	0.00	0.00	0.00	0.00	6.86
19	Malampuzha	0.00	0.00	0.00	0.00	1.08	0.36	0.11	0.82	1.08	0.59	0.27	0.00	4.32
20	Lower Meenmutty	0.04	0.58	1.23	0.99	0.99	0.32	0.72	0.86	0.26	0.07	0.04	0.01	6.11
21	KuttiyadiTail Race	0.49	0.58	0.99	1.42	1.45	0.83	0.89	0.52	0.21	0.28	0.32	0.46	8.45
22	Vellathoval SHEP	0.04	0.37	0.85	0.99	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.74
23	Poozhithode	0.00	0.09	2.25	2.94	0.77	0.59	0.65	0.16	0.07	0.03	0.00	0.00	7.56
24	Ranni-Perinadu	0.43	0.79	0.95	0.78	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.47	3.73
25	Peechi	0.17	0.00	0.00	0.10	0.61	0.10	0.12	0.00	0.46	0.28	0.23	0.40	2.48
26	Vilangadu	0.00	0.01	1.96	2.12	1.85	0.94	0.65	0.22	0.07	0.02	0.00	0.00	7.82
27	Chimony	0.30	0.04	0.00	0.00	0.56	0.79	0.56	0.81	1.14	0.93	0.77	0.78	6.69
28	Addyanpara	0.01	0.13	0.08	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.02	0.01	0.32
29	Barapole	0.02	0.22	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20
30	Perunthenaruvi	0.05	1.49	2.65	2.88	0.61	0.00	0.00	0.00	0.00	0.00	0.04	0.01	7.72
31	Kakkayam					0.60	0.33	0.37	0.22	0.21	0.15	0.25	0.49	2.63
32	Poringalkuthu screw	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.01	0.06
<b>Ia</b>	<b>KSEBL Hydro Gross</b>	<b>633.30</b>	<b>604.00</b>	<b>565.95</b>	<b>841.76</b>	<b>1038.63</b>	<b>792.24</b>	<b>845.12</b>	<b>527.19</b>	<b>360.15</b>	<b>359.12</b>	<b>429.79</b>	<b>605.15</b>	<b>7602.41</b>

Table 13 Contd..

Sl. No	Stations	04/18	05/18	06/18	07/18	08/18	09/18	10/18	11/18	12/18	01/19	02/19	03/19	TOTAL
	Auxiliary Consumption (Hydro Generating station )	2.29	2.84	2.60	3.26	2.99	2.80	2.99	2.54	2.24	2.08	2.25	2.92	31.81
Ib	<b>KSEBL Net Hydro</b>	<b>631.01</b>	<b>601.15</b>	<b>563.35</b>	<b>838.49</b>	<b>1035.64</b>	<b>789.43</b>	<b>842.14</b>	<b>524.65</b>	<b>357.91</b>	<b>357.04</b>	<b>427.54</b>	<b>602.23</b>	<b>7570.60</b>
IIa	<b>KSEBL Wind</b>													
33	Kanjikode	0.07	0.08	0.13	0.22	0.26	0.13	0.04	0.07	0.06	0.12	0.09	0.07	1.33
	Auxiliary consumption wind	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
IIb	<b>Net Generation wind (KSEBL)</b>	<b>0.07</b>	<b>0.08</b>	<b>0.13</b>	<b>0.22</b>	<b>0.26</b>	<b>0.13</b>	<b>0.04</b>	<b>0.07</b>	<b>0.06</b>	<b>0.12</b>	<b>0.09</b>	<b>0.07</b>	<b>1.33</b>
IIIa	<b>KSEBL Solar</b>													
34	Total solar	1.57	2.58	1.04	1.14	0.99	1.70	1.47	1.44	1.47	1.81	1.48	1.84	18.54
	Auxiliary Consumption Solar	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
IIIb	<b>KSEBL Net Solar</b>	<b>1.57</b>	<b>2.58</b>	<b>1.04</b>	<b>1.14</b>	<b>0.99</b>	<b>1.70</b>	<b>1.47</b>	<b>1.44</b>	<b>1.47</b>	<b>1.81</b>	<b>1.48</b>	<b>1.84</b>	<b>18.54</b>
IV a	<b>KSEBL Thermal</b>													
35	BDPP,Brahmapuram	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.17	0.00	0.29
36	KDPP, Nallalam	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	2.68	3.80
	Aux. cons.- BDPP (Thermal)	0.05	0.06	0.04	0.04	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.62
	Aux cons.-KDPP (Thermal)	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.13	0.82
IVb	<b>KSEBL Net Thermal Generation</b>	<b>0.92</b>	<b>-0.11</b>	<b>-0.11</b>	<b>-0.10</b>	<b>-0.11</b>	<b>-0.11</b>	<b>0.00</b>	<b>-0.05</b>	<b>-0.12</b>	<b>-0.12</b>	<b>0.05</b>	<b>2.50</b>	<b>2.66</b>
A	<b>Net Generation- KSEBL (Ib+IIb+IIIb+IVb)</b>	<b>633.57</b>	<b>603.71</b>	<b>564.42</b>	<b>839.75</b>	<b>1036.78</b>	<b>791.15</b>	<b>843.65</b>	<b>526.11</b>	<b>359.33</b>	<b>358.85</b>	<b>429.16</b>	<b>606.64</b>	<b>7593.12</b>
B	<b>Power Purchase</b>													
Va	<b>Central Generating Stations at Kerala periphery ( KSEB end)</b>													
1	RSTPS ( Unit 1 to 6)	157.43	146.26	135.21	105.38	71.21	118.44	118.20	147.26	152.79	121.11	135.69	132.30	1541.29
2	RSTPS ( Unit 7)	35.91	37.71	38.24	38.50	25.14	32.43	40.33	16.76	7.55	36.58	34.06	40.99	384.20
3	TALCHER STAGE II	260.38	268.10	233.20	169.70	176.45	184.65	188.73	240.32	272.37	261.29	231.20	282.21	2768.59
4	Simhadri TPS Stage II	55.92	32.97	20.19	35.66	18.65	36.33	51.28	50.86	55.77	55.80	51.97	54.12	519.53
5	Kudgi STPS	50.45	50.06	14.20	8.29	0.00	42.41	27.81	32.41	44.30	47.21	51.73	70.58	439.47
6	NLC II STAGE 1	35.05	36.75	28.98	23.97	22.59	33.66	32.10	25.62	37.06	36.87	32.84	33.98	379.46
7	NLC II STAGE 2	56.28	44.90	39.75	36.30	39.52	48.99	49.78	49.89	54.22	44.65	46.56	50.88	561.72
8	NLC I EXPANSION	42.20	18.74	29.61	26.32	16.93	20.94	43.49	41.29	44.35	43.95	39.84	44.36	412.02
9	NLC II EXPANSION	12.87	15.83	8.24	23.55	11.62	18.43	31.84	22.02	32.12	35.36	32.75	24.87	269.50
10	NTPL	41.26	44.43	37.16	29.26	15.76	34.66	43.36	43.43	40.24	27.48	20.72	25.16	402.93
11	VALLUR STPS	33.72	27.31	15.63	16.80	9.15	17.99	16.92	19.72	22.48	17.66	26.14	33.08	256.60
12	MAPS	6.26	6.36	6.29	6.20	6.48	6.19	5.60	3.29	0.00	0.00	5.66	5.86	58.20
13	KAPS I & II	23.91	24.60	24.14	25.39	25.07	24.35	24.75	23.44	24.09	12.47	11.79	22.45	266.45
14	KAPS III& IV	22.29	22.80	22.25	19.50	23.09	11.80	22.06	22.59	23.26	23.30	21.10	18.63	252.67
15	KKNPP	82.28	86.01	89.18	88.42	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	347.04
16	KKNPP unit 2	0.00	0.00	0.00	16.01	1.09	17.06	48.08	65.18	65.83	65.62	52.27	50.28	381.42
Vb	<b>TOTAL CGS</b>	<b>916.20</b>	<b>862.84</b>	<b>742.29</b>	<b>669.25</b>	<b>463.90</b>	<b>648.32</b>	<b>744.33</b>	<b>804.04</b>	<b>876.45</b>	<b>829.37</b>	<b>794.34</b>	<b>889.75</b>	<b>9241.09</b>

Table 13 Contd..

Sl. No	Stations	04/18	05/18	06/18	07/18	08/18	09/18	10/18	11/18	12/18	01/19	02/19	03/19	TOTAL
VI.a	<b>Thermal IPPs/Co-Gen</b>													
1	RGCCPP actual Gen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.81
2	BSES	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
3	MPS Steel(Co-Gen Plant)Net injection to Grid	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	PCBL (Co-Gen Plant)Net injection to grid	0.15	0.03	0.14	0.15	0.25	0.10	0.07	0.05	0.32	0.43	0.03	0.34	2.05
VI.b	<b>Thermal IPPs /Co-Gen total</b>	<b>0.15</b>	<b>0.03</b>	<b>0.14</b>	<b>0.15</b>	<b>0.25</b>	<b>0.10</b>	<b>0.07</b>	<b>0.05</b>	<b>0.32</b>	<b>0.43</b>	<b>0.84</b>	<b>0.34</b>	<b>2.86</b>
VIIa	<b>IPPs-Small hydro(net)</b>													
1	Ullunkal (EDCL)	1.46	1.44	1.32	2.38	1.11	0.00	0.00	0.00	0.75	0.61	0.40	1.27	10.75
2	Iruttukanam(VIYYAT)	0.33	1.37	3.57	4.16	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.51
3	Kaarikkayam (AHPL)	3.42	4.44	6.53	8.91	5.95	3.40	5.31	2.64	1.03	1.16	0.76	2.23	45.78
4	Meenvallam (PSHCL)	0.06	0.14	1.27	1.96	1.78	0.61	0.80	0.36	0.19	0.10	0.08	0.06	7.41
5	Pathankayam (MREPPL)	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
6	Mankulam GP	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
7	Kallar	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
VIIb	<b>IPPs-Small hydro Total</b>	<b>5.28</b>	<b>7.39</b>	<b>12.76</b>	<b>17.41</b>	<b>9.91</b>	<b>4.00</b>	<b>6.11</b>	<b>3.00</b>	<b>1.97</b>	<b>1.87</b>	<b>1.25</b>	<b>3.56</b>	<b>74.51</b>
VIIIa	<b>Captive Power plants</b>													
1	Maniyar IPP hydel net	0.24	0.43	5.19	0.75	2.52	-6.72	0.00	0.15	0.10	0.01	0.03	0.16	2.86
2	Kuthungal IPP hydel net	1.72	-1.03	0.49	4.50	0.04	-1.31	6.51	2.29	-2.40	-3.29	-0.49	0.80	7.82
VIIIb	<b>CPP -Total</b>	<b>1.96</b>	<b>-0.60</b>	<b>5.68</b>	<b>5.25</b>	<b>2.56</b>	<b>-8.02</b>	<b>6.51</b>	<b>2.44</b>	<b>-2.31</b>	<b>-3.28</b>	<b>-0.46</b>	<b>0.96</b>	<b>10.68</b>
IX.a	<b>Wind IPPs</b>													
1	Ramakkalmedu, Wind	0.42	1.09	3.88	5.47	4.65	2.12	0.71	0.97	0.89	1.63	1.24	0.61	23.68
2	Agali, Wind	0.82	1.43	6.10	6.55	5.11	2.87	0.53	0.30	0.20	0.44	0.87	0.81	26.04
3	Koundikkal													0.00
4	Ahalya Wind	0.96	1.32	2.27	3.05	3.01	1.96	0.73	0.81	0.79	1.28	1.04	0.94	18.15
5	INOX	1.99	2.76	4.13	6.27	6.64	3.75	1.40	2.14	2.04	3.23	2.47	2.08	38.90
6	Kosamattam	0.00	0.01	0.21	0.37	0.35	0.15	0.01	0.00	0.00	0.02	0.00	0.00	1.13
IX.b	<b>Wind IPPs Total</b>	<b>4.20</b>	<b>6.61</b>	<b>16.59</b>	<b>21.70</b>	<b>19.76</b>	<b>10.86</b>	<b>3.38</b>	<b>4.21</b>	<b>3.91</b>	<b>6.61</b>	<b>5.62</b>	<b>4.45</b>	<b>107.90</b>
Xa	<b>Solar IPPs /Prosumer</b>													
1	Anert, Kuzhalmandam	0.24	0.21	0.15	0.14	0.12	0.24	0.23	0.17	0.23	0.25	0.26	0.30	2.54
2	Ambalathara -Solar Park IPP	7.16	5.79	3.81	4.28	4.93	7.25	6.76	6.72	6.37	7.74	7.37	8.37	76.53
3	CIAL net injection-solar prosumer	0.09	-0.34	-0.63	0.29	0.09	0.16	0.06	0.14	0.21	0.54	0.80	0.53	1.95
4	Grid connected consumers net injection	2.70	0.02	0.00	0.30	0.41	0.04	0.01	0.23	0.10	0.44	0.00	0.00	4.24
Xb	<b>Solar IPPs Total</b>	<b>10.19</b>	<b>5.68</b>	<b>3.34</b>	<b>5.00</b>	<b>5.54</b>	<b>7.70</b>	<b>7.04</b>	<b>7.26</b>	<b>6.91</b>	<b>8.96</b>	<b>8.43</b>	<b>9.20</b>	<b>85.26</b>
	<b>Total IPP, CPP and Co-gen (VIb+VIIb+VIIIb+IXb+Xb)</b>	<b>21.78</b>	<b>19.11</b>	<b>38.51</b>	<b>49.52</b>	<b>38.01</b>	<b>14.64</b>	<b>23.10</b>	<b>16.96</b>	<b>10.80</b>	<b>14.60</b>	<b>15.68</b>	<b>18.50</b>	<b>281.22</b>

Table 13 Contd..

Sl. No	Stations	04/18	05/18	06/18	07/18	08/18	09/18	10/18	11/18	12/18	01/19	02/19	03/19	TOTAL
XI.a	<b>LTOA contracts</b>													
1	MAITHON (MPL)	85.74	90.45	87.07	72.28	74.61	63.52	79.59	81.60	98.74	83.40	91.55	102.00	1010.56
2	MAITHON (MPL)	85.74	90.45	87.07	72.28	74.63	63.52	79.59	81.60	98.74	83.40	91.55	102.00	1010.58
3	DVC-MEJIA	58.98	52.51	57.79	38.28	39.91	28.43	22.31	47.69	33.76	62.88	61.66	66.21	570.42
4	DVC RAGHUNATHPUR	15.07	11.11	5.72	10.39	6.89	7.55	6.69	7.54	9.94	10.80	15.48	19.94	127.14
5	Jindal Power Limited ((Bid I)	110.99	113.61	99.11	105.16	102.11	104.41	122.48	113.37	120.92	121.93	106.00	123.51	1343.61
6	Jindal Power Limited ((Bid II)	83.18	85.16	74.40	78.92	78.33	80.18	91.88	85.02	90.63	91.45	79.53	92.62	1011.31
7	Jhabua Power Limited ((Bid I)	34.75	52.48	64.44	33.86	21.97	74.86	56.88	56.59	61.62	74.59	52.20	70.97	655.21
<i>Table 15 Contd..</i>														
8	Jhabua Power Limited ((Bid II)	30.26	45.63	57.86	27.77	17.48	65.10	49.46	49.20	53.59	64.86	45.41	61.87	568.48
9	BALCO	62.93	64.94	59.28	54.02	67.15	52.18	23.17	62.88	67.04	63.90	59.97	63.30	700.75
10	JITPL	61.10	56.38	59.07	48.08	23.37	47.75	61.18	57.59	63.10	60.31	54.28	61.77	653.99
XI.b	<b>Sub Total LTOA</b>	<b>628.75</b>	<b>662.72</b>	<b>651.82</b>	<b>541.06</b>	<b>506.45</b>	<b>587.50</b>	<b>593.21</b>	<b>643.08</b>	<b>698.09</b>	<b>717.53</b>	<b>657.63</b>	<b>764.20</b>	<b>7652.05</b>
XII.a	<b>Short Term Contracts</b>													
XII.b	<b>Sub Total STOA</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Power Exchanges</b>													
XII.a	<b>TAM</b>													
1	IEX	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.41	0.00	0.93
2	PXIL	0.00	0.78	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.31	1.97
XII.b	<b>TAM Sub Total</b>	<b>0.00</b>	<b>0.78</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.39</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.41</b>	<b>0.31</b>	<b>2.90</b>
XIII.a	<b>DAM</b>													
1	IEX	1.27	3.76	0.00	0.00	0.81	10.75	3.87	84.90	168.14	65.22	107.19	21.15	467.06
2	PXIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.03	7.03
XIII.b	<b>DAM Sub Total</b>	<b>1.27</b>	<b>3.76</b>	<b>0.00</b>	<b>0.00</b>	<b>0.81</b>	<b>10.75</b>	<b>3.87</b>	<b>84.90</b>	<b>168.14</b>	<b>65.22</b>	<b>107.19</b>	<b>28.18</b>	<b>474.09</b>
XIV	<b>KPTCL-Overarching</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
XV	<b>Swap-inwards</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7.60964</b>	<b>135.1636</b>	<b>142.77</b>
XVI	<b>Deviation Settlement Mechanism (Net)</b>	<b>36.52</b>	<b>30.78</b>	<b>27.25</b>	<b>21.39</b>	<b>-5.89</b>	<b>23.11</b>	<b>20.55</b>	<b>26.79</b>	<b>25.55</b>	<b>8.24</b>	<b>20.52</b>	<b>17.65</b>	<b>252.45</b>
B	<b>Total Power Purchase at Kerala Periphery ((Sum(Vb to XIIIb)+XIV +XV+XVI)</b>	<b>1604.51</b>	<b>1580.00</b>	<b>1459.86</b>	<b>1281.22</b>	<b>1003.28</b>	<b>1285.72</b>	<b>1385.06</b>	<b>1575.77</b>	<b>1779.03</b>	<b>1634.96</b>	<b>1603.38</b>	<b>1853.77</b>	<b>18046.57</b>
C	<b>Total KSEBL Generation &amp; Power Purchase (A+B)</b>	<b>2238.09</b>	<b>2183.71</b>	<b>2024.28</b>	<b>2120.97</b>	<b>2040.06</b>	<b>2076.87</b>	<b>2228.71</b>	<b>2101.89</b>	<b>2138.36</b>	<b>1993.81</b>	<b>2032.54</b>	<b>2460.41</b>	<b>25639.69</b>
D	<b>Substation Auxiliary consumption</b>	<b>1.44</b>	<b>1.33</b>	<b>1.21</b>	<b>1.21</b>	<b>1.23</b>	<b>1.29</b>	<b>1.32</b>	<b>1.36</b>	<b>1.44</b>	<b>1.41</b>	<b>1.32</b>	<b>1.55</b>	<b>16.11</b>
E	<b>Net Generation and Power Purchase (C-D)</b>	<b>2236.65</b>	<b>2182.38</b>	<b>2023.07</b>	<b>2119.76</b>	<b>2038.83</b>	<b>2075.58</b>	<b>2227.39</b>	<b>2100.53</b>	<b>2136.92</b>	<b>1992.40</b>	<b>2031.22</b>	<b>2458.86</b>	<b>25623.58</b>
F	Energy injected by private developers at Generator end for sale outside the state through open access	3.73	3.91	3.60	3.27	3.23	3.55	3.42	3.32	3.18	3.19	0.95	3.82	39.17

Table 13 Contd..

Sl. No	Stations	04/18	05/18	06/18	07/18	08/18	09/18	10/18	11/18	12/18	01/19	02/19	03/19	TOTAL
G	Energy purchased by consumers through open access at Kerala periphery	15.16	12.69	30.61	27.01	25.29	14.54	3.24	17.23	16.14	18.26	15.46	20.95	216.60
	<b>Out side State Sale by KSEBL</b>													
a	DAM( Kerala Periphery)-IEX	-6.52	-29.08	-113.56	-189.72	-189.26	-22.33	-91.97	-0.91	-0.13	-4.88	-0.77	-0.38	-649.48
b	DAM( Kerala Periphery)-PXIL	0.00	0.00	-1.35	-2.01	-5.02	-1.37	0.00	0.00	0.00	0.00	0.00	0.00	-9.76
c	TAM ( Kerala Periphery)-IEX	0.00	-0.20	-0.46	0.00	0.00	0.00	-6.25	-0.05	0.00	0.00	0.00	0.00	-6.96
d	TAM ( Kerala Periphery)-PXIL	0.00	-2.95	-1.02	-0.20	-1.42	-0.20	-2.31	0.00	0.00	-6.32	0.00	0.00	-14.43
e	Sale through BSHPCL	0	0	-7.61615	0	-34.61958	-15.23035	-17.63292	0	0	0	0	0	-75.10
f	Sale through CSPDCL	0	0	0	0	0	0	-32.98596	-36.0705	0	0	0	0	-69.06
<b>i</b>	<b>Total Sale outside the state(a+b)</b>	<b>-6.52</b>	<b>-32.23</b>	<b>-123.99</b>	<b>-191.93</b>	<b>-230.32</b>	<b>-39.14</b>	<b>-151.15</b>	<b>-37.03</b>	<b>-0.13</b>	<b>-11.20</b>	<b>-0.77</b>	<b>-0.38</b>	<b>-824.78</b>
a	SWAP return through GMRETL	0.00	0.00	-19.12	-41.23	-39.73	-39.03	0.00	0.00	0.00	0.00	0.00	0.00	-139.12
b	SWAP return through NVVN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-11.42	-5.90	0.00	0.00	0.00	-17.32
c	SWAP return through TATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-7.61	-3.97	0.00	0.00	0.00	-11.58
<b>ii</b>	<b>Total SWAP return</b>	<b>0.00</b>	<b>0.00</b>	<b>-19.12</b>	<b>-41.23</b>	<b>-39.73</b>	<b>-39.03</b>	<b>0.00</b>	<b>-19.03</b>	<b>-9.86</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-168.02</b>
H	Energy sale outside the State by KSEBL and Swap return(i+ii)	-6.52	-32.23	-143.12	-233.17	-270.05	-78.17	-151.15	-56.06	-9.99	-11.20	-0.77	-0.38	-992.80
I	Energy injected by private developers at Kerala periphery for sale outside state through open access	-3.56	-3.73	-3.44	-3.12	-3.08	-3.39	-3.27	-3.17	-3.03	-3.04	-0.91	-3.65	-37.40
<b>J</b>	<b>Net energy available for sale inside the state (E+F+G+H+I)</b>	<b>2245.46</b>	<b>2163.02</b>	<b>1910.72</b>	<b>1913.75</b>	<b>1794.22</b>	<b>2012.11</b>	<b>2079.64</b>	<b>2061.85</b>	<b>2143.21</b>	<b>1999.61</b>	<b>2045.96</b>	<b>2479.60</b>	<b>24849.14</b>
K	Energy purchased by consumers through open access at consumer end	14.365163	12.044713	29.007383	25.606145	24.032133	13.824305	3.075685	16.34134	15.287105	17.326888	14.658995	19.87094	205.44
L	Energy sale inside the state by KSEBL	1938.30	1854.13	1708.88	1618.67	1573.64	1738.24	1847.22	1797.29	1827.85	1797.09	1816.31	2019.14	21536.77
M	<b>Energy given to RGCCPP for meeting auxiliary consumption during non operational period</b>													<b>8.04</b>
N	<b>Energy sale with in the state including open access and aux power to RGCCPP . (K+L+M)</b>	<b>1952.66</b>	<b>1866.17</b>	<b>1737.89</b>	<b>1644.28</b>	<b>1597.67</b>	<b>1752.06</b>	<b>1850.30</b>	<b>1813.63</b>	<b>1843.14</b>	<b>1814.42</b>	<b>1830.97</b>	<b>2039.01</b>	<b>21750.25</b>
O	<b>Loss in KSEBL system (J-N)</b>	<b>292.80</b>	<b>296.85</b>	<b>172.83</b>	<b>269.47</b>	<b>196.55</b>	<b>260.05</b>	<b>229.34</b>	<b>248.22</b>	<b>300.07</b>	<b>185.18</b>	<b>214.99</b>	<b>440.59</b>	<b>3098.90</b>
P	<b>% Loss within Kerala</b>	<b>13.04%</b>	<b>13.72%</b>	<b>9.05%</b>	<b>14.08%</b>	<b>10.95%</b>	<b>12.92%</b>	<b>11.03%</b>	<b>12.04%</b>	<b>14.00%</b>	<b>9.26%</b>	<b>10.51%</b>	<b>17.77%</b>	<b>12.47%</b>

TABLE 14

## STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS &amp; SYSTEM LOSSES FOR 2019-20

(in Million Units)														
Sl. No	Stations	04/19	05/19	06/19	07/19	08/19	09/19	10/19	11/19	12/19	01/20	02/20	03/20	TOTAL
	<b>KSEBL Internal Generation</b>													
1	Idamalayar	30.37	28.62	10.42	1.57	13.90	29.14	13.30	22.79	13.90	32.16	34.58	29.79	260.54
2	Idukki	284.02	351.10	202.49	99.39	72.83	100.90	85.29	80.60	77.71	168.07	138.98	168.47	1829.85
3	Kakkad	17.62	21.41	11.24	7.16	13.01	17.28	16.94	15.47	14.08	15.25	12.82	13.95	176.23
4	Kallada	5.36	3.99	2.63	0.77	1.13	0.52	0.44	2.66	4.71	2.52	4.56	4.13	33.43
5	Kuttiyadi+KES+KAES	47.90	38.88	17.18	61.05	51.52	83.19	70.75	55.03	45.10	39.82	42.12	40.54	593.08
6	KuttiyadiTail Race	0.36	0.20	0.28	0.54	0.78	1.03	0.68	0.43	0.51	0.46	0.41	0.37	6.06
7	Lower Meenmutty	0.04	0.02	0.27	0.43	0.84	1.05	1.12	0.77	0.22	0.08	0.02	0.01	4.87
8	Lower Periyar	19.50	16.37	13.54	39.10	104.89	43.46	75.75	52.47	25.49	7.94	8.93	19.71	427.14
9	Maduppatty	0.72	0.67	0.00	0.00	0.00	0.00	0.00	0.37	0.30	0.03	0.70	0.64	3.44
10	Malampuzha	0.00	0.00	0.00	0.00	0.00	0.33	0.19	0.44	1.02	1.37	0.78	0.00	4.14
11	Malankara	3.03	3.92	3.17	2.53	2.04	4.09	2.08	1.60	1.27	2.38	1.90	2.31	30.32
12	Neriamangalam+NES	19.51	16.17	11.15	20.15	46.59	52.26	52.44	38.30	22.00	6.05	5.87	19.41	309.90
13	Pallivasal	12.71	10.91	10.33	10.64	11.43	12.61	13.27	12.70	13.32	10.71	11.92	11.58	142.12
14	Panniyar	13.29	10.41	2.67	1.52	17.78	22.05	20.24	18.83	12.52	0.00	3.84	16.33	139.48
15	Peppara	0.39	0.38	0.11	0.30	0.27	1.55	1.07	0.00	0.00	0.51	0.59	0.58	5.75
16	Poringalkuthu +PLBE	9.92	2.61	0.34	24.68	32.31	31.23	31.97	26.10	13.81	12.99	11.11	12.41	209.47
17	Sabarigiri	128.96	156.23	70.05	24.22	45.71	92.84	104.23	103.27	103.96	102.03	83.80	83.80	1099.10
18	Sengualm	11.40	13.57	9.83	10.33	16.33	16.44	16.59	15.18	13.66	9.48	9.87	8.13	150.82
19	Vellathhoyal SHEP	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
20	Sholayar	18.82	17.12	4.11	0.73	9.58	25.10	24.53	17.52	23.59	25.56	23.45	26.19	216.30
21	Chembukadavu - I	0.00	0.00	0.15	1.00	0.58	0.77	0.50	0.22	0.01	0.00	0.00	0.00	3.23
22	Chembukadavu- II	0.00	0.00	0.17	1.55	0.32	0.85	0.76	0.33	0.02	0.00	0.00	0.00	3.99
23	Urumi - I	0.00	0.00	0.55	1.70	1.65	1.65	1.03	0.49	0.04	0.00	0.00	0.00	7.11
24	Urumi - II	0.00	0.00	0.33	1.04	0.91	0.94	0.66	0.34	0.03	0.00	0.00	0.00	4.24
25	Poozhithode	0.00	0.00	0.64	2.29	0.57	1.51	1.01	0.44	0.18	0.06	0.00	0.00	6.70
26	Ranni-Perinadu	0.60	0.75	0.54	0.46	0.69	0.82	0.93	0.75	0.48	0.48	0.51	0.34	7.35
27	Peechi	0.15	0.00	0.00	0.00	0.08	0.47	0.29	0.18	0.42	0.30	0.21	0.31	2.42
28	Vilangadu	0.00	0.00	0.27	3.63	3.80	3.66	2.07	1.00	0.24	0.04	0.00	0.00	14.71
29	Chimmony	0.39	0.17	0.00	0.00	0.00	0.48	0.64	0.47	1.19	0.77	1.28	1.04	6.43
30	Addyanpara	0.00	0.01	0.46	1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24
31	Barapole	0.00	0.00	0.06	1.68	2.04	6.65	6.29	2.56	1.27	0.40	0.00	0.00	20.95
32	Perunthenaruvi	0.03	0.03	1.06	1.27	2.04	2.65	2.78	1.92	0.34	0.14	0.01	0.00	12.28
33	Kakkayam SHEP	0.83	0.77	0.14	0.96	0.36	0.90	1.06	0.90	0.56	0.50	0.57	0.59	8.12
34	Poringal screw generation	0.01	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.03	0.00	0.00	0.00	0.07
<b>Ia</b>	<b>KSEBL Hydro Gross</b>	<b>625.93</b>	<b>694.32</b>	<b>374.19</b>	<b>322.44</b>	<b>453.99</b>	<b>556.43</b>	<b>548.90</b>	<b>474.12</b>	<b>391.99</b>	<b>440.07</b>	<b>398.82</b>	<b>460.63</b>	<b>5741.83</b>
	Auxiliary Consumption (Hydro Generating station )	3.07	3.17	2.28	2.21	2.70	3.19	3.47	2.90	2.59	2.68	6.45	2.45	37.16
<b>Ib</b>	<b>KSEBL Net Hydro</b>	<b>622.86</b>	<b>691.15</b>	<b>371.91</b>	<b>320.23</b>	<b>451.30</b>	<b>553.24</b>	<b>545.43</b>	<b>471.22</b>	<b>389.40</b>	<b>437.39</b>	<b>392.37</b>	<b>458.18</b>	<b>5704.67</b>
<b>IIa</b>	<b>KSEBL Wind</b>													
35	Kanjikode	0.07	0.20	0.15	0.13	0.14	0.09	0.04	0.07	0.26	0.11	0.11	0.04	1.42
	Auxiliary consumption wind													0.00
<b>IIb</b>	<b>Net Generation wind (KSEBL)</b>	<b>0.07</b>	<b>0.20</b>	<b>0.15</b>	<b>0.13</b>	<b>0.14</b>	<b>0.09</b>	<b>0.04</b>	<b>0.07</b>	<b>0.26</b>	<b>0.11</b>	<b>0.11</b>	<b>0.04</b>	<b>1.42</b>
<b>IIIa</b>	<b>KSEBL Solar</b>													
36	Total solar	3.06	2.01	1.48	1.04	1.53	1.27	2.37	2.54	2.01	2.11	2.47	4.07	25.95

Table 14 contd..



Sl. No	Stations	04/19	05/19	06/19	07/19	08/19	09/19	10/19	11/19	12/19	01/20	02/20	03/20	TOTAL
	Auxiliary Consumption Solar													
<b>IIIb</b>	<b>KSEBL Net Solar</b>	<b>3.06</b>	<b>2.01</b>	<b>1.48</b>	<b>1.04</b>	<b>1.53</b>	<b>1.27</b>	<b>2.37</b>	<b>2.54</b>	<b>2.01</b>	<b>2.11</b>	<b>2.47</b>	<b>4.07</b>	25.95
<b>IV a</b>	<b>KSEBL Thermal</b>													
37	BDPP,Brahmapuram	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
38	KDPP, Nallalam	5.47	6.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.93
	Aux. cons.- BDPP (Thermal)	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.62
	Aux cons.-KDPP (Thermal)	0.19	0.22	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	1.03
<b>IVb</b>	<b>KSEBL Net Thermal Generation</b>	<b>5.23</b>	<b>6.18</b>	<b>-0.11</b>	<b>-0.03</b>	<b>-0.11</b>	<b>-0.11</b>	<b>-0.11</b>	<b>-0.11</b>	<b>-0.11</b>	<b>-0.11</b>	<b>-0.12</b>	<b>-0.12</b>	<b>10.38</b>
<b>A</b>	<b>Net Generation- KSEBL (Ib+IIb+IIIb+IVb)</b>	<b>631.21</b>	<b>699.54</b>	<b>373.42</b>	<b>321.37</b>	<b>452.85</b>	<b>554.49</b>	<b>547.73</b>	<b>473.72</b>	<b>391.56</b>	<b>439.50</b>	<b>394.83</b>	<b>462.18</b>	<b>5742.41</b>
<b>B</b>	<b>Power Purchase</b>													
<b>Va</b>	<b>Central Generating Stations at Kerala periphery ( KSEB end)</b>													
1	RSTPS ( Unit 1 to 6)	150.29	157.20	157.91	148.86	147.90	137.49	139.69	126.03	122.67	150.24	140.13	146.19	1724.62
2	RSTPS ( Unit 7)	39.98	38.04	44.04	40.79	39.31	36.19	30.78	32.14	41.20	41.12	38.57	5.35	427.51
3	TALCHER STAGE II	259.19	250.90	231.49	202.99	136.91	132.97	192.61	227.33	275.62	277.93	263.10	274.96	2726.00
4	Simhadri TPS Stage II	51.11	61.95	65.12	51.57	37.70	42.17	12.66	30.41	50.65	50.59	45.79	44.19	543.91
5	Kudgi STPS	50.85	34.81	18.18	17.88	11.24	7.09	3.23	0.36	9.87	16.41	49.85	53.91	273.68
6	NLC II STAGE 1	38.49	39.07	39.03	37.67	29.40	33.32	39.29	35.16	33.25	38.47	38.25	39.45	440.85
7	NLC II STAGE 2	56.26	48.26	35.41	42.90	47.79	42.05	50.61	53.21	54.75	58.11	54.48	54.14	597.97
8	NLC I EXPANSION	43.01	41.57	26.84	44.69	42.80	43.28	43.24	40.29	44.68	44.35	42.20	44.68	501.64
9	NLC II EXPANSION	21.52	23.70	16.96	15.94	14.35	20.38	30.10	17.84	21.97	11.72	25.71	13.55	233.74
10	NTPL	23.92	23.49	26.13	24.21	39.80	31.50	24.79	30.35	47.18	46.77	43.25	38.52	399.90
11	VALLUR STPS	31.69	29.79	30.58	20.59	9.95	11.06	12.75	19.23	17.71	22.58	21.32	19.16	246.41
12	MAPS	3.75	6.03	6.36	6.56	6.84	6.56	6.19	6.13	6.17	5.31	6.56	6.65	73.12
13	KAPS I & II	23.24	25.65	18.23	18.98	18.71	21.61	24.01	24.54	25.58	25.47	23.82	22.72	272.57
14	KAPS III& IV	22.50	23.44	22.45	23.71	18.73	22.95	23.63	14.37	23.80	18.54	14.73	23.71	252.57
15	KKNPP	0.00	34.00	78.14	94.21	94.86	92.15	87.30	91.08	81.34	83.49	66.36	87.41	890.35
16	KKNPP unit 2	50.24	49.73	47.68	50.50	50.38	49.76	44.53	50.19	22.93	0.00	0.00	44.09	460.05
17	NNTPP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	4.69	7.05	5.26	17.12
<b>Vb</b>	<b>TOTAL CGS</b>	<b>866.04</b>	<b>887.62</b>	<b>864.54</b>	<b>842.06</b>	<b>746.66</b>	<b>730.54</b>	<b>765.42</b>	<b>798.67</b>	<b>879.49</b>	<b>895.81</b>	<b>881.20</b>	<b>923.94</b>	<b>10082.00</b>
<b>VI.a</b>	<b>Thermal IPPs/Co-Gen</b>													
1	RGCCPP actual Gen	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
2	BSES	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
3	MPS Steel(Co-Gen Plant)Net injection to Grid	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	PCBL (Co-Gen Plant)Net injection to grid	0.13	0.38	0.23	0.15	0.23	0.35	0.00	0.08	0.23	0.34	0.60	0.47	3.18
<b>VI.b</b>	<b>Thermal IPPs /Co-Gen total</b>	<b>0.13</b>	<b>0.38</b>	<b>0.23</b>	<b>0.15</b>	<b>0.23</b>	<b>0.35</b>	<b>0.00</b>	<b>0.08</b>	<b>0.23</b>	<b>0.34</b>	<b>0.60</b>	<b>0.47</b>	<b>3.18</b>
<b>VII.a</b>	<b>IPPs-Small hydro(net)</b>													
1	Ullunkal (EDCL)	1.44	1.81	1.04	1.22	2.33	2.32	2.15	1.65	1.16	1.08	0.87	1.02	18.10
2	Irutukanam(VIYYAT)	0.00	0.00	0.02	2.50	3.82	3.49	3.47	2.68	1.24	0.55	0.23	0.24	18.25
3	Kaarikkayam (AHPL)	2.57	3.21	2.24	2.61	5.27	4.81	4.55	3.19	2.18	2.10	1.73	1.90	36.37
4	Meenvallam (PSHCL)	0.05	0.06	0.25	1.25	1.25	1.32	1.18	0.84	0.30	0.15	0.09	0.07	6.80
5	Pathankayam (MREPPL)	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
6	Mankulam GP	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
7	Kallar	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
<b>VIIb</b>	<b>IPPs-Small hydro Total</b>	<b>4.06</b>	<b>5.08</b>	<b>3.56</b>	<b>7.59</b>	<b>12.68</b>	<b>11.94</b>	<b>11.35</b>	<b>8.35</b>	<b>4.89</b>	<b>3.87</b>	<b>2.92</b>	<b>3.23</b>	<b>79.51</b>
<b>VIII.a</b>	<b>Captive Power plants</b>													
1	Maniyar IPP hydel net injection	0.24	0.16	0.16	2.14	0.56	3.90	4.09	2.83	0.22	0.09	0.05	-2.53	11.92

Table 14 contd..

Sl. No	Stations	04/19	05/19	06/19	07/19	08/19	09/19	10/19	11/19	12/19	01/20	02/20	03/20	TOTAL
2	Kuthungal IPP hydel net injection	0.65	0.34	0.11	0.12	2.19	3.40	1.66	1.87	-0.54	-3.05	-0.67	0.30	6.38
<b>VIIIb</b>	<b>CPP -Total</b>	<b>0.89</b>	<b>0.50</b>	<b>0.27</b>	<b>2.27</b>	<b>2.76</b>	<b>7.29</b>	<b>5.75</b>	<b>4.70</b>	<b>-0.31</b>	<b>-2.96</b>	<b>-0.62</b>	<b>-2.23</b>	<b>18.30</b>
<b>IX.a</b>	<b>Wind IPPs/prosumers</b>													
1	Ramakalmedu, Wind	0.35	1.67	3.39	3.98	2.62	2.65	0.93	1.49	2.15	1.62	1.69	0.55	23.10
2	Agali, Wind	0.82	3.53	5.19	6.27	4.30	3.73	0.78	0.49	0.56	0.26	0.39	0.37	26.70
3	Koundikkal	0.39	1.31	1.90	2.22	1.66	1.28	0.41	0.36	0.47	0.22	0.33	0.20	10.75
4	Ahalya Wind	1.03	2.69	2.44	2.24	2.39	1.60	0.80	1.05	1.78	1.28	1.23	0.70	19.23
5	INOX	2.13	4.86	4.74	4.25	4.51	3.05	1.48	2.18	2.86	2.89	2.87	1.39	37.21
6	Kosamattam	0.01	0.12	0.26	0.34	0.23	0.17	0.04	0.07	0.11	0.10	0.11	0.03	1.61
7	Manorama net injection	0.00	1.59	1.47	1.57	1.35	-0.08	-0.83	-0.48	0.51	-0.14	-0.05	-0.75	4.15
<b>IX.b</b>	<b>Wind IPPs Total</b>	<b>4.74</b>	<b>15.78</b>	<b>19.39</b>	<b>20.87</b>	<b>17.05</b>	<b>12.41</b>	<b>3.63</b>	<b>5.17</b>	<b>8.44</b>	<b>6.23</b>	<b>6.57</b>	<b>2.48</b>	<b>122.75</b>
<b>Xa</b>	<b>Solar IPPs /Prosumer</b>													
1	Anert, Kuzhalmandam	0.21	0.25	0.21	0.19	0.14	0.20	0.22	0.17	0.21	0.25	0.27	0.28	2.59
2	Ambalathara -Solar Park IPP	7.54	7.17	5.51	3.83	4.22	5.58	6.15	6.20	4.60	7.02	7.08	8.26	73.16
3	CIAL net injection-solar prosumer	0.0714	-0.047775	-0.41	-0.47	-0.15	-0.95	0.15315	0.03	0.15	0.53	0.5187	0.96	0.3683
4	Grid connected consumers net injection	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	8.37
<b>Xb</b>	<b>Solar IPPs Total</b>	<b>8.52</b>	<b>8.07</b>	<b>6.01</b>	<b>4.25</b>	<b>4.90</b>	<b>5.52</b>	<b>7.22</b>	<b>7.10</b>	<b>5.65</b>	<b>8.49</b>	<b>8.57</b>	<b>10.20</b>	<b>84.49</b>
	<b>Total IPP, CPP and Co-gen (Vib+VIIb+VIIIb+IXb+Xb)</b>	<b>18.34</b>	<b>29.82</b>	<b>29.45</b>	<b>35.12</b>	<b>37.62</b>	<b>37.51</b>	<b>27.94</b>	<b>25.39</b>	<b>18.89</b>	<b>15.97</b>	<b>18.03</b>	<b>14.15</b>	<b>308.23</b>
	<b>Traders</b>													
<b>XI.a</b>	<b>LTOA contracts</b>													
1	MAITHON (MPL)	90.72	90.44	71.88	46.22	77.70	92.89	91.92	90.40	96.67	100.11	89.51	69.63	1008.09
2	MAITHON (MPL)	90.72	90.44	71.88	46.22	77.70	92.89	91.92	90.40	96.67	100.11	89.51	69.63	1008.09
3	DVC-MEJIA	55.10	66.13	59.22	31.62	31.85	35.99	23.15	49.07	39.84	64.93	62.65	55.41	574.94
4	DVC RAGHUNATHPUR	19.97	14.64	20.75	24.13	19.80	17.40	12.96	22.74	25.49	24.71	28.00	27.62	258.20
5	Jindal Power Limited ((Bid I)	111.13	120.00	117.40	119.45	109.60	109.21	77.48	115.96	125.04	124.78	116.14	122.18	1368.37
6	Jindal Power Limited ((Bid II)	83.40	90.21	88.17	89.55	82.20	81.90	58.09	86.98	93.75	93.58	87.05	91.63	1026.50
7	Jhabua Power Limited ((Bid I)	57.37	61.37	63.03	68.59	45.57	18.55	77.35	71.77	74.48	78.02	73.12	78.10	767.32
8	Jhabua Power Limited ((Bid II)	49.88	53.36	54.81	59.65	39.62	16.13	67.28	62.41	64.77	67.85	63.58	67.91	667.25
9	BALCO	58.78	66.39	64.95	64.66	53.95	64.97	54.16	59.12	62.08	62.94	58.45	62.38	732.84
10	JITPL	60.05	61.54	60.08	62.03	60.97	59.66	61.56	59.81	61.53	61.14	59.80	57.34	725.50
<b>XI.b</b>	<b>Sub Total LTOA</b>	<b>677.12</b>	<b>714.53</b>	<b>672.14</b>	<b>612.12</b>	<b>598.97</b>	<b>589.59</b>	<b>615.87</b>	<b>708.65</b>	<b>740.30</b>	<b>778.15</b>	<b>727.82</b>	<b>701.85</b>	<b>8137.11</b>
<b>XII.a</b>	<b>Short Term Contracts</b>													
<b>XII.b</b>	<b>Sub Total STO A</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Power Exchanges</b>													
<b>XIII.a</b>	<b>TAM</b>													
1	IEX	0.00	7.65	0.00	0.33	0.00	0.20	0.00	0.00	0.34	4.16	0.21	1.85	14.74
2	PXIL	33.02	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.27	0.00	0.00	0.47	33.85
<b>XIII.b</b>	<b>TAM Sub Total</b>	<b>33.02</b>	<b>7.65</b>	<b>0.00</b>	<b>0.33</b>	<b>0.00</b>	<b>0.20</b>	<b>0.00</b>	<b>0.10</b>	<b>0.61</b>	<b>4.16</b>	<b>0.21</b>	<b>2.32</b>	<b>48.59</b>
<b>XIV.a</b>	<b>DAM</b>													
1	IEX	61.40	131.31	185.54	300.37	89.72	11.53	8.96	4.63	73.81	34.12	10.61	1.92	913.94
2	PXIL	27.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.71
<b>XIV.b</b>	<b>DAM Sub Total</b>	<b>89.12</b>	<b>131.31</b>	<b>185.54</b>	<b>300.37</b>	<b>89.72</b>	<b>11.53</b>	<b>8.96</b>	<b>4.63</b>	<b>73.81</b>	<b>34.12</b>	<b>10.61</b>	<b>1.92</b>	<b>941.65</b>
<b>XV</b>	<b>KPTCL-Overarching</b>													<b>0.00</b>
<b>XVI</b>	<b>Swap-inwards</b>	<b>69.92965</b>	<b>14.36952</b>	<b>13.9422</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>76.59352</b>	<b>177.83168</b>	<b>352.67</b>
<b>XVII</b>	<b>Deviation Settlement Mechanism (Net)</b>	<b>26.79</b>	<b>39.44</b>	<b>41.89</b>	<b>73.51</b>	<b>54.05</b>	<b>35.35</b>	<b>37.39</b>	<b>37.27</b>	<b>36.75</b>	<b>45.30</b>	<b>44.56</b>	<b>41.20</b>	<b>513.50</b>
<b>B</b>	<b>Total Power Purchase at Kerala Periphery ((Sum(Vb to XIVb) +XV +XVI+XVII))</b>	<b>1780.35</b>	<b>1824.73</b>	<b>1807.52</b>	<b>1863.52</b>	<b>1527.02</b>	<b>1404.72</b>	<b>1455.57</b>	<b>1574.71</b>	<b>1749.86</b>	<b>1773.51</b>	<b>1759.03</b>	<b>1863.21</b>	<b>20383.76</b>
<b>C</b>	<b>Total KSEBL Generation &amp; Power Purchase (A+B)</b>	<b>2411.57</b>	<b>2524.27</b>	<b>2180.94</b>	<b>2184.89</b>	<b>1979.87</b>	<b>1959.21</b>	<b>2003.31</b>	<b>2048.44</b>	<b>2141.42</b>	<b>2213.01</b>	<b>2153.86</b>	<b>2325.39</b>	<b>26126.17</b>

Table 14 contd..

Sl. No	Stations	04/19	05/19	06/19	07/19	08/19	09/19	10/19	11/19	12/19	01/20	02/20	03/20	TOTAL
<b>D</b>	<b>Substation Auxiliary consumption</b>	<b>1.688293561</b>	<b>1.737316593</b>	<b>1.55647354</b>	<b>1.551772706</b>	<b>1.415377708</b>	<b>1.449407382</b>	<b>1.575042837</b>	<b>1.608772295</b>	<b>1.602953726</b>	<b>1.748020273</b>	<b>1.805123217</b>	<b>1.8641457</b>	<b>19.60269954</b>
<b>E</b>	<b>Net Generation and Power Purchase (C-D)</b>	<b>2409.88</b>	<b>2522.53</b>	<b>2179.38</b>	<b>2183.34</b>	<b>1978.45</b>	<b>1957.76</b>	<b>2001.73</b>	<b>2046.83</b>	<b>2139.82</b>	<b>2211.26</b>	<b>2152.05</b>	<b>2323.53</b>	<b>26106.57</b>
<b>F</b>	Energy injected by private developers at Generator end for sale outside the state through open access	3.90	3.32	2.68	3.97	4.02	3.77	3.91	1.58	1.12	3.53	3.01	2.70	<b>37.50</b>
<b>G</b>	Energy purchased by consumers through open access at Kerala periphery	22.44	31.50	33.48	37.29	34.89	43.17	43.63	35.92	25.88	27.74	31.91	38.02	405.86
	<b>Out side State Sale by KSEBL</b>													
a	DAM( Kerala Periphery)-IEX	-0.06	0.00	-0.07	-8.40	-31.97	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	-40.52
b	DAM( Kerala Periphery)-PXIL	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
c	TAM ( Kerala Periphery)-IEX	0.00	0.00	0.00	0.00	-2.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.08
d	TAM ( Kerala Periphery)-PXIL	0.00	0.00	0.00	-0.17	-13.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-13.35
e	Sale through BSHPCCL													0.00
f	Sale through CSPDCL													0.00
<b>i</b>	<b>Total Sale outside the state(a+b)</b>	<b>-0.06</b>	<b>0.00</b>	<b>-0.07</b>	<b>-8.57</b>	<b>-47.23</b>	<b>0.00</b>	<b>-0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-55.95</b>
a	SWAP return through MITTAL	0.00	0.00	0.00	-12.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-12.45
b	SWAP Return through KEIPL to Hariyana	0.00	0.00	0.00	-4.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.69
c	SWAP Return through APPCPL	0.00	0.00	0.00	-49.40	-48.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-97.86
d	SWAP return through MITTAL	0.00	0.00	0.00	-13.43	-13.38	-12.91	0.00	0.00	0.00	0.00	0.00	0.00	-39.72
e	SWAP return through GMRETL	0.00	0.00	-39.74	-37.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-77.21
<b>ii</b>	<b>Total SWAP return</b>	<b>0.00</b>	<b>0.00</b>	<b>-39.74</b>	<b>-117.44</b>	<b>-61.84</b>	<b>-12.91</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-231.93</b>
<b>H</b>	Energy sale outside the State by KSEBL and Swap return(i+ii)	-0.06	0.00	-39.82	-126.01	-109.07	-12.91	-0.01	0.00	0.00	0.00	0.00	0.00	-287.88
<b>I</b>	Energy injected by private developers at Kerala periphery for sale outside state through open access	-3.73	-3.17	-2.56	-3.81	-3.86	-3.62	-3.75	-1.52	-1.08	-3.39	-2.89	-2.59	-35.96
<b>J</b>	<b>Net energy available for sale inside the state (E+F+G+H+I)</b>	<b>2432.42</b>	<b>2554.18</b>	<b>2173.16</b>	<b>2094.78</b>	<b>1904.44</b>	<b>1988.17</b>	<b>2045.50</b>	<b>2082.81</b>	<b>2165.74</b>	<b>2239.14</b>	<b>2184.08</b>	<b>2361.65</b>	<b>26226.08</b>
<b>K</b>	Energy purchased by consumers through open access at consumer end	21.28	29.86	31.73	35.53	33.31	41.17	41.62	34.29	24.68	26.43	30.41	36.21	386.52
<b>L</b>	Energy sale inside the state by KSEBL	2099.84	2118.10	1955.62	1815.15	1716.37	1715.93	1760.20	1802.51	1904.92	1955.73	1992.28	1824.27	22660.91
<b>M</b>	Energy given to RGCCPP for meeting auxiliary consumption during non operational period	0.83	0.91	1.76	1.03	0.93	0.84	0.70	0.71	0.76	1.04	1.16	0.79	11.47
<b>N</b>	<b>Energy sale within the state including open access and aux power to RGCCPP . (K+L+M)</b>	<b>2121.94</b>	<b>2148.88</b>	<b>1989.12</b>	<b>1851.70</b>	<b>1750.61</b>	<b>1757.94</b>	<b>1802.53</b>	<b>1837.50</b>	<b>1930.36</b>	<b>1983.20</b>	<b>2023.84</b>	<b>1861.27</b>	<b>23058.89</b>
<b>O</b>	<b>Loss in KSEBL system (J-N)</b>	<b>310.48</b>	<b>405.31</b>	<b>184.04</b>	<b>243.08</b>	<b>153.83</b>	<b>230.23</b>	<b>242.98</b>	<b>245.30</b>	<b>235.38</b>	<b>255.94</b>	<b>160.24</b>	<b>500.38</b>	<b>3167.19</b>
<b>P</b>	% Loss within Kerala	12.76%	15.87%	8.47%	11.60%	8.08%	11.58%	11.88%	11.78%	10.87%	11.43%	7.34%	21.19%	12.08%

TABLE 15

## STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS &amp; SYSTEM LOSSES FOR 2020-21

(in Million Units)														
Sl. No	Stations	04/20	05/20	06/20	07/20	08/20	09/20	10/20	11/20	12/20	01/21	02/21	03/21	TOTAL
A	<b>KSEBL Internal Generation</b>													
1	Idamalayar	32.98	32.18	24.07	4.76	4.35	14.87	31.69	21.35	24.47	33.77	33.00	32.64	290.13
2	Idukki	200.94	251.85	294.33	131.48	103.58	152.95	168.02	153.99	174.95	243.81	309.65	341.39	2526.93
3	Kakkad	16.86	24.01	5.74	9.44	16.92	14.68	18.01	16.01	14.95	14.55	15.98	17.77	184.91
4	Kallada	4.23	3.69	3.00	2.99	3.43	4.84	5.33	4.54	3.73	5.25	4.70	4.14	49.87
5	Kuttiyadi+KES+KAES	52.72	50.96	54.52	57.69	108.31	103.57	81.63	26.24	52.10	73.67	45.12	47.77	754.29
6	KuttiyadiTail Race	0.52	0.61	0.65	0.63	1.20	1.13	0.79	0.33	0.52	0.76	0.45	0.47	8.06
7	Lower Meenmutty	0.08	0.49	0.97	0.76	0.95	1.09	0.75	0.42	0.22	0.25	0.05	0.04	6.08
8	Lower Periyar	15.12	22.50	22.14	54.46	95.66	100.49	83.92	50.79	29.46	28.94	17.10	17.15	537.75
9	Maduppatty	0.45	0.84	0.44	0.00	0.00	0.00	0.60	0.13	0.41	0.49	0.74	0.95	5.04
10	Malampuzha	0.00	0.00	0.00	0.00	0.00	0.24	0.12	0.74	0.95	0.64	0.02	0.00	2.70
11	Malankara	2.90	3.46	2.52	2.24	1.79	2.69	2.48	2.15	2.15	3.00	2.88	3.16	31.42
12	Neriamangalam	7.17	10.06	7.90	15.13	32.23	34.30	34.01	19.67	10.47	9.30	7.80	17.61	205.65
13	NES	7.34	12.17	9.20	16.54	18.15	17.40	18.32	15.82	13.29	14.08	7.58	0.00	149.88
14	Pallivasal	9.56	11.59	12.35	12.22	12.92	12.70	13.10	9.50	8.15	10.95	8.67	10.54	132.26
15	Panniyar	9.96	16.58	4.68	6.08	19.18	21.10	22.00	21.46	15.38	17.45	12.66	15.16	181.67
16	Peppara	0.41	0.05	0.52	0.62	1.28	1.97	1.17	0.80	0.48	0.53	0.55	0.47	8.85
17	Poringalkuthu	6.08	5.54	11.07	19.44	19.61	16.61	18.75	9.35	5.92	14.52	13.82	14.22	154.92
18	PLBE	4.55	7.48	10.49	11.92	11.76	10.94	12.14	6.48	10.49	0.00	0.00	0.00	86.25
19	Sabarigiri	119.72	172.48	26.51	31.33	107.96	100.05	151.52	110.19	93.35	94.33	106.25	114.86	1228.54
20	Sengualm	8.54	9.25	11.65	15.45	17.21	16.35	16.21	14.98	7.00	0.00	0.00	0.88	117.52
21	Vellathhoval SHEP	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
22	Sholayar	22.84	24.65	12.14	0.08	7.77	82.60	17.53	17.88	24.53	24.36	25.79	29.78	289.95
23	Chembukadvu - I	0.00	0.00	0.45	0.98	0.69	0.90	0.45	0.06	0.02	0.04	0.00	0.00	3.60
24	Chembukadavu- II	0.00	0.00	0.68	1.57	1.09	1.47	0.70	0.10	0.04	0.07	0.00	0.00	5.71
25	Urumi - I	0.00	0.00	1.15	1.46	1.36	1.46	0.88	0.10	0.00	0.03	0.00	0.00	6.43
26	Urumi - II	0.00	0.00	0.81	1.12	0.82	0.95	0.57	0.09	0.00	0.02	0.00	0.00	4.38
27	Poozhithode	0.00	0.00	0.50	2.81	1.38	1.81	1.21	0.25	0.08	0.06	0.00	0.00	8.13
28	Ranni-Perinadu	0.53	0.96	0.76	0.95	0.25	0.60	1.07	0.67	0.61	0.44	0.40	0.52	7.75
29	Peechi	0.40	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
30	Vilangadu	0.00	0.00	1.25	5.38	3.71	3.27	2.14	0.39	0.10	0.06	0.00	0.00	16.29
31	Chimmony	0.62	0.53	0.27	0.00	0.00	0.46	1.25	0.46	1.27	0.93	1.24	0.99	8.02
32	Addyanpara	0.00	0.00	0.63	1.71	1.25	1.74	0.89	0.30	0.14	0.15	0.04	0.02	6.88
33	Barapole	0.00	0.00	0.00	3.22	5.43	6.78	8.40	2.95	1.13	0.62	0.12	0.05	28.69
34	Perunthenaruvi	0.00	0.07	2.32	3.80	0.64	1.78	1.93	1.26	1.00	0.29	0.03	0.00	13.11
35	Kakkayam	0.70	0.56	0.62	0.73	1.23	1.07	1.14	0.55	0.41	0.93	0.60	0.66	9.21

Table 15 contd..

Sl. No	Stations	04/20	05/20	06/20	07/20	08/20	09/20	10/20	11/20	12/20	01/21	02/21	03/21	TOTAL
36	Poringal kuthu screw generation	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.05
<b>Ia</b>	<b>KSEBL Net Hydro</b>	<b>525.22</b>	<b>662.63</b>	<b>524.35</b>	<b>417.00</b>	<b>602.12</b>	<b>732.83</b>	<b>718.71</b>	<b>510.01</b>	<b>497.76</b>	<b>594.27</b>	<b>615.24</b>	<b>671.22</b>	<b>7071.37</b>
	<b>Auxiliary consumption</b>	<b>2.52</b>	<b>2.65</b>	<b>2.73</b>	<b>1.79</b>	<b>2.97</b>	<b>2.96</b>	<b>3.21</b>	<b>2.76</b>	<b>2.80</b>	<b>2.11</b>	<b>2.14</b>	<b>2.45</b>	<b>31.08</b>
<b>Ib</b>	<b>KSEBL Net Hydro</b>	<b>522.69</b>	<b>659.98</b>	<b>521.62</b>	<b>415.21</b>	<b>599.15</b>	<b>729.88</b>	<b>715.50</b>	<b>507.25</b>	<b>494.96</b>	<b>592.17</b>	<b>613.10</b>	<b>668.78</b>	<b>7040.29</b>
<b>IIa</b>	<b>KSEBL Wind</b>													
37	Kanjikode	0.04	0.12	0.13	0.10	0.15	0.11	0.09	0.07	0.10	0.11	0.08	0.05	1.14
	Auxiliary consumption wind													0.00
<b>IIb</b>	<b>Net Generation wind (KSEBL)</b>	<b>0.04</b>	<b>0.12</b>	<b>0.13</b>	<b>0.10</b>	<b>0.15</b>	<b>0.11</b>	<b>0.09</b>	<b>0.07</b>	<b>0.10</b>	<b>0.11</b>	<b>0.08</b>	<b>0.05</b>	<b>1.1402</b>
<b>IIIa</b>	<b>KSEBL Solar</b>													
38	Total solar	3.61	4.00	2.60	1.80	1.58	2.39	2.07	1.88	1.76	1.99	2.33	2.73	<b>28.73</b>
	Auxiliary Consumption Solar													
<b>IIIb</b>	<b>KSEBL Net Solar</b>	<b>3.61</b>	<b>4.00</b>	<b>2.60</b>	<b>1.80</b>	<b>1.58</b>	<b>2.39</b>	<b>2.07</b>	<b>1.88</b>	<b>1.76</b>	<b>1.99</b>	<b>2.33</b>	<b>2.73</b>	<b>28.73</b>
<b>IV a</b>	<b>KSEBL Thermal</b>													
39	BDPP,Brahmapuram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
40	KDPP, Nallalam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33	4.87	0.64	0.00	7.845
	Aux. cons.- BDPP (Thermal)	0.05	0.05	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1667
	Aux cons.-KDPP (Thermal)	0.06	0.06	0.05	0.06	0.06	0.05	0.00	0.03	0.18	0.22	0.09	0.05	0.9051
<b>IVb</b>	<b>KSEBL Net Thermal Generation</b>	<b>-0.11</b>	<b>-0.11</b>	<b>-0.09</b>	<b>-0.09</b>	<b>-0.06</b>	<b>-0.05</b>	<b>0.00</b>	<b>-0.03</b>	<b>2.15</b>	<b>4.66</b>	<b>0.55</b>	<b>-0.05</b>	<b>6.77</b>
<b>A</b>	<b>Net Generation- KSEBL (Ib+IIb+IIIb+IVb)</b>	<b>526.23</b>	<b>663.99</b>	<b>524.25</b>	<b>417.03</b>	<b>600.81</b>	<b>732.33</b>	<b>717.66</b>	<b>509.16</b>	<b>498.97</b>	<b>598.92</b>	<b>616.06</b>	<b>671.52</b>	<b>7076.93</b>
<b>B</b>	<b>Power Purchase</b>													
<b>Va</b>	<b>Central Generating Stations at Kerala periphery ( KSEB end)</b>													
1	RSTPS ( Unit 1 to 6)	112.11	106.32	118.56	161.84	137.68	75.10	100.15	136.80	147.43	115.52	129.22	147.73	1488.45
2	RSTPS ( Unit 7)	0.00	0.00	26.31	40.84	39.54	32.31	31.69	39.65	37.10	40.84	36.68	38.27	363.22
3	TALCHER STAGE II	263.67	276.56	257.99	285.36	253.43	209.68	254.43	204.02	235.59	222.45	200.23	278.31	2941.71
4	Simhadri TPS Stage II	16.11	13.78	15.69	46.28	26.61	20.03	2.92	18.68	34.43	57.32	55.50	55.80	363.16
5	Kudgi STPS	2.76	0.00	0.03	0.00	0.00	0.96	0.00	0.00	34.29	78.50	59.15	71.58	247.27
6	NLC II STAGE 1	20.17	16.35	20.33	13.33	15.38	15.88	10.02	34.14	30.36	36.17	36.27	39.04	287.46
7	NLC II STAGE 2	20.90	13.17	19.53	0.35	0.00	9.08	8.85	28.11	22.95	28.14	35.38	42.75	229.22
8	NLC I EXPANSION	38.05	37.84	37.69	44.81	39.16	16.12	23.11	21.06	32.85	28.96	38.64	22.61	380.90
9	NLC II EXPANSION	22.13	19.04	24.82	8.88	26.09	24.91	25.48	20.52	25.23	26.13	31.17	24.34	278.73
10	NTPL	18.88	10.89	21.92	41.63	30.92	22.62	23.88	39.66	22.63	40.18	42.05	36.35	351.62
11	VALLUR STPS	1.34	1.32	0.58	0.03	0.01	0.10	0.40	14.14	14.80	24.81	28.24	24.90	110.66
12	MAPS	6.27	6.07	6.28	6.06	6.87	6.55	5.71	2.19	6.53	5.25	4.51	5.70	67.99
13	KAPS I & II	9.08	14.73	24.49	24.40	25.61	24.74	25.30	24.04	24.90	24.81	22.43	18.92	263.45
14	KAPS III& IV	22.88	23.35	22.62	23.65	23.71	22.81	23.40	19.06	5.30	15.45	22.09	24.27	248.61
15	KKNPP	48.74	33.75	-2.16	-1.75	15.27	86.00	92.37	69.47	89.08	95.51	86.67	84.39	697.32
16	KKNPP unit 2	79.41	67.46	87.92	58.74	78.90	86.72	89.96	87.62	73.74	43.78	-1.29	-1.53	751.44
17	NNTPP	7.31	8.61	6.95	9.61	3.45	7.38	7.62	8.15	6.19	6.71	9.34	14.76	96.06
<b>Vb</b>	<b>TOTAL CGS</b>	<b>689.81</b>	<b>649.25</b>	<b>689.54</b>	<b>764.04</b>	<b>722.63</b>	<b>661.00</b>	<b>725.29</b>	<b>767.31</b>	<b>843.40</b>	<b>890.51</b>	<b>836.28</b>	<b>928.20</b>	<b>9167.26</b>

Table 15 contd..

Sl. No	Stations	04/20	05/20	06/20	07/20	08/20	09/20	10/20	11/20	12/20	01/21	02/21	03/21	TOTAL
<b>Via</b>	<b>Thermal IPPs/Co-Gen</b>													
1	RGCCPPnet Gen	-0.66	-0.70	-0.66	-0.66	-0.72	-0.60	-0.66	-0.66	-0.31	-0.74	-0.77	99.66	92.53
2	BSES	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
3	MPS Steel(Co-Gen Plant)Net injection to Grid	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	PCBL (Co-Gen Plant)Net injection to grid	0.43	1.53	2.68	0.60	0.43	0.24	0.17	0.17	0.29	0.28	-0.33	0.20	6.70
<b>VI.b</b>	<b>Thermal IPPs /Co-Gen total</b>	<b>-0.23</b>	<b>0.83</b>	<b>2.01</b>	<b>-0.05</b>	<b>-0.29</b>	<b>-0.36</b>	<b>-0.48</b>	<b>-0.48</b>	<b>-0.01</b>	<b>-0.47</b>	<b>-1.10</b>	<b>99.86</b>	<b>99.24</b>
<b>VIIa</b>	<b>IPPs-Small hydro(net)</b>													
1	Ullunkal (EDCL)	1.31	2.18	1.11	1.67	0.59	1.51	2.26	1.39	1.18	1.12	1.14	0.00	15.45
2	Irukkukanam(VIYYAT)	0.30	0.47	1.90	3.60	3.78	3.80	3.68	2.16	1.13	0.89	0.31	0.17	22.17
3	Kaarikkayam (AHPL)	0.00	3.80	2.51	3.98	4.68	4.53	5.04	2.84	2.34	2.17	2.15	2.32	36.35
4	Meenvallam (PSHCL)	0.07	0.07	0.27	0.56	1.25	1.57	1.39	0.56	0.25	0.17	0.09	0.05	6.29
5	Pathankayam (MREPPL)	0.00	0.00	0.00	0.00	4.23	4.45	2.43	0.50	0.20	0.39	0.00	0.00	12.21
6	Mankulam GP	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
7	Kallar	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
8	Deviyar micro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.02
<b>VIIb</b>	<b>IPPs-Small hydro Total</b>	<b>1.68</b>	<b>6.51</b>	<b>5.78</b>	<b>9.80</b>	<b>14.53</b>	<b>15.86</b>	<b>14.80</b>	<b>7.45</b>	<b>5.10</b>	<b>4.75</b>	<b>3.68</b>	<b>2.56</b>	<b>92.50</b>
<b>VIIIa</b>	<b>Captive Power plants</b>													
1	Maniyar IPP hydel net	1.49	0.41	0.22	1.40	1.08	1.53	0.38	-1.60	-3.34	-2.26	-2.52	-1.62	-4.81
2	Kuthungal IPP hydel net	6.62	4.92	0.37	0.22	5.13	4.55	2.91	3.30	0.04	0.81	-2.00	2.10	28.98
<b>VIIIb</b>	<b>CPP -Total</b>	<b>8.11</b>	<b>5.33</b>	<b>0.60</b>	<b>1.62</b>	<b>6.21</b>	<b>6.08</b>	<b>3.30</b>	<b>1.70</b>	<b>-3.29</b>	<b>-1.45</b>	<b>-4.51</b>	<b>0.48</b>	<b>24.17</b>
<b>IX.a</b>	<b>Wind IPPs/Prosumers</b>													
1	Ramakkalmedu, Wind	0.45	1.19	4.10	3.51	1.17	2.28	2.03	1.06	1.11	1.07	0.91	0.67	19.53
2	Agali, Wind	0.70	2.27	4.99	6.83	1.57	3.95	3.94	0.46	0.36	0.58	0.24	0.41	26.31
3	Koundikkal	0.39	0.79	1.77	1.86	0.46	1.30	1.31	0.32	0.27	0.33	0.16	0.26	9.20
4	Ahalya Wind	0.79	1.83	1.98	1.75	2.64	1.99	1.79	1.13	1.37	1.45	0.92	0.86	18.51
5	INOX	1.27	3.48	3.61	3.42	4.49	3.47	3.25	2.23	3.23	3.21	2.32	1.78	35.76
6	Kosamattam	0.01	0.01	0.26	0.23	0.11	0.12	0.19	0.06	0.06	0.06	0.06	0.04	1.22
7	Malayala Manorama net injection	0.00	0.99	1.74	0.82	1.79	1.17	0.77	-0.29	0.04	0.13	-0.29	-0.45	6.42
<b>IX.b</b>	<b>Wind IPPs Total</b>	<b>3.61</b>	<b>10.55</b>	<b>18.44</b>	<b>18.43</b>	<b>12.23</b>	<b>14.28</b>	<b>13.27</b>	<b>4.97</b>	<b>6.44</b>	<b>6.83</b>	<b>4.33</b>	<b>3.57</b>	<b>116.95</b>
<b>Xa</b>	<b>Solar IPPs /Prosumer</b>													
1	Anert, Kuzhalmadam	0.30	0.48	0.17	0.18	0.20	0.16	0.21	0.21	0.20	0.23	0.25	0.28	2.86
2	Ambalathara -Solar Park IPP	7.69	6.81	5.00	4.69	4.25	3.78	5.27	6.31	6.97	7.13	7.23	7.91	73.05
3	THDCIL Paivalika Solar Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.29	6.29	5.66	17.24
4	CIAL net injection-solar prosumer	2.21	1.80	0.94	1.02	1.11	0.48	1.23	1.33	1.23	1.38	1.69	1.61	16.04
5	HINDALCO net injection	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.23	0.39	0.42	0.42	0.49	2.29
6	Grid connected consumers net injection	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	22.67

Table 15 contd..

Sl. No	Stations	04/20	05/20	06/20	07/20	08/20	09/20	10/20	11/20	12/20	01/21	02/21	03/21	TOTAL
Xb	Solar IPPs Total	12.09	10.98	8.00	7.77	7.46	6.31	8.94	9.98	10.67	16.33	17.78	17.84	134.15
	Total IPP, CPP and Co-gen (Vib+VIIb+VIIIb+IXb+Xb)	25.26	34.20	34.83	37.57	40.14	42.17	39.82	23.62	18.91	26.00	20.17	124.32	467.00
	TRADERS													
XI.a	LTOA contracts													
1	MAITHON (MPL)	73.16	73.67	72.51	94.06	88.92	72.54	68.01	93.67	96.96	54.77	54.52	96.57	939.38
2	MAITHON (MPL)	73.16	73.67	72.34	94.06	88.92	72.54	68.00	93.67	96.96	54.77	54.52	96.57	939.19
3	DVC-MEJIA	50.54	47.34	47.34	61.72	56.93	50.63	51.81	54.57	63.30	48.31	31.63	63.19	627.31
4	DVC-RAGHUNATHPUR	11.22	9.35	8.34	20.70	16.02	12.85	10.16	21.75	25.85	17.99	27.70	28.13	210.05
5	Jindal Power Limited ((Bid I)	118.30	124.75	119.10	122.93	92.59	112.42	104.48	130.76	133.87	117.11	113.92	125.92	1416.14
6	Jindal Power Limited ((Bid II)	88.74	93.56	89.33	92.17	69.56	84.34	78.34	98.05	100.39	87.85	85.48	94.49	1062.30
7	Jhabua Power Limited ((Bid I)	66.69	75.01	71.89	71.54	60.85	55.81	61.35	72.12	75.44	63.08	70.26	78.32	822.37
8	Jhabua Power Limited ((Bid II)	57.99	65.23	61.50	61.94	52.93	48.55	53.37	62.72	65.60	54.85	61.10	68.10	713.90
9	BALCO	56.99	62.60	58.88	60.58	54.29	53.37	45.05	57.14	61.24	64.14	55.40	58.67	688.33
10	JITPL	57.18	68.10	57.63	56.75	48.99	48.13	38.69	59.46	62.82	60.33	60.88	60.74	679.71
11	REMC Purchase from AMEKIL-L_SR_2021_01												4.62	4.62
12	REMC Purchase from AMEKIL-L_SR_2021_02												1.36	1.36
XI.b	Sub Total LTOA	653.97	693.28	658.86	736.44	630.00	611.19	579.26	743.91	782.44	623.21	615.41	776.68	8104.65
XII.a	Short Term Contracts													
XII.b	Sub Total STOA	65.98245	101.03382	0	0	0	0	0	0	0	0	0	0	167.01627
	POWER EXCHANGES													
XIII.a	TAM													
1	IEX	0.34	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49
2	PXIL	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
XIII.b	TAM Sub Total	0.34	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49
XIV.a	DAM													
1	IEX	0.57	0.00	0.00	7.72	1.57	3.22	0.00	10.66	0.99	34.81	3.13	5.68	68.35
2	PXIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.11
XIV.b	DAM Sub Total	0.57	0.00	0.00	7.72	1.57	3.22	0.00	10.66	0.99	34.92	3.13	5.68	68.46
XV.a	RTM													
1	IEX	0.00	0.00	0.01	1.60	0.25	0.26	0.37	0.79	1.43	12.70	5.17	3.17	25.76
2	PXIL	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
XV.b	RTM Sub Total	0.00	0.00	0.01	1.60	0.25	0.26	0.37	0.79	1.43	12.70	5.17	3.17	25.76
XVI	KPTCL-Overarching													0.00
XVII	Swap-inwards	56.4303	0	0	0	0	0	0	0	0	0	0	65.84504	122.28
XVIII	Deviation Settlement Mechanism (Net)	25.44	17.73	12.82	30.03	11.15	-3.12	-5.11	10.64	23.13	10.35	-0.09	6.46	139.43
B	Total Power Purchase at Kerala Periphery ((Sum(Vb to XVb)+XVI+XVII+XVIII))	1517.80	1495.65	1396.06	1577.40	1405.73	1314.72	1339.64	1556.94	1670.29	1597.69	1480.07	1910.35	18262.34
C	Total KSEBL Generation & Power Purchase (A+B)	2044.03	2159.65	1920.31	1994.43	2006.54	2047.05	2057.30	2066.09	2169.26	2196.61	2096.13	2581.87	25339.27
D	Substation Auxiliary consumption	1.63	1.63	1.47	1.79	1.47	1.41	1.63	1.59	1.54	1.52	1.54	1.81	19.03
E	Net Generation and Power Purchase (C-D)	2042.41	2158.01	1918.84	1992.64	2005.07	2045.64	2055.67	2064.50	2167.72	2195.09	2094.59	2580.06	25320.24

Table 15 contd..

Sl. No	Stations	04/20	05/20	06/20	07/20	08/20	09/20	10/20	11/20	12/20	01/21	02/21	03/21	TOTAL
F	Energy injected by private developers at Generator end for sale outside the state through open access	1.10	2.65	1.51	3.55	3.85	3.68	3.90	3.92	3.86	3.92	2.56	4.16	38.66
G	Energy purchased by consumers through open access at Kerala periphery	13.08	33.09	48.17	49.91	45.73	44.22	43.15	39.98	36.15	21.88	18.21	13.85	407.41
<b>Out side State Sale by KSEBL</b>														
a	DAM( Kerala Periphery)-IEX	-0.91	-2.03	-5.76	-0.04	-8.09	-10.53	-45.99	-3.98	-22.27	-25.91	-23.06	-30.44	-179.00
b	DAM( Kerala Periphery)-PXIL	0.00	0.00	0.00	0.00	0.00	-1.54	-4.94	-0.84	-3.41	-1.28	-3.39	-2.28	-17.67
c	TAM ( Kerala Periphery)-IEX	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
d	TAM ( Kerala Periphery)-PXIL	0.00	0.00	-0.06	0.00	0.00	0.00	-0.05	0.00	0.00	0.00	0.00	0.00	-0.11
e	RTM ( Kerala Periphery)-IEX	0.00	0.00	-2.48	-0.07	-3.40	-9.41	-14.58	-1.44	-5.80	-10.18	-5.99	-11.30	-64.65
f	RTM ( Kerala Periphery)-PXIL	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
e	Sale through BSHPCCL													0.00
f	Sale through CSPDCL													0.00
i	<b>Total Sale outside the state(a+b+c+d+e+f)</b>	<b>-0.91</b>	<b>-2.03</b>	<b>-8.30</b>	<b>-0.11</b>	<b>-11.49</b>	<b>-21.49</b>	<b>-65.56</b>	<b>-6.25</b>	<b>-31.48</b>	<b>-37.37</b>	<b>-32.44</b>	<b>-44.02</b>	<b>-261.43</b>
a	SWAP Return through BYPL	0.00	0.00	-11.81	-24.42	-24.46	-23.76	0.00	0.00	0.00	0.00	0.00	0.00	-84.45
b	SWAP Return through PTCIL	0.00	0.00	-26.63	-55.08	-55.15	-53.27	0.00	0.00	0.00	0.00	0.00	0.00	-190.13
c	SWAP return TPDDL thru manikaran	0.00	0.00	0.00	-30.10	-30.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-60.25
ii	<b>Total SWAP return (a+b+c)</b>	<b>0.00</b>	<b>0.00</b>	<b>-38.44</b>	<b>-109.60</b>	<b>-109.75</b>	<b>-77.03</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-334.82</b>
H	Energy sale outside the State by KSEBL and Swap return(i+ii)	<b>-0.91</b>	<b>-2.03</b>	<b>-46.74</b>	<b>-109.71</b>	<b>-121.23</b>	<b>-98.52</b>	<b>-65.56</b>	<b>-6.25</b>	<b>-31.48</b>	<b>-37.37</b>	<b>-32.44</b>	<b>-44.02</b>	<b>-596.25</b>
I	Energy injected by private developers at Kerala periphery for sale outside state through open access	<b>-1.06</b>	<b>-2.54</b>	<b>-1.45</b>	<b>-3.41</b>	<b>-3.70</b>	<b>-3.54</b>	<b>-3.75</b>	<b>-3.76</b>	<b>-3.70</b>	<b>-3.77</b>	<b>-2.46</b>	<b>-4.00</b>	<b>-37.14</b>
J	<b>Net energy available for sale inside the state (E+F+G+H+I)</b>	<b>2054.62</b>	<b>2189.18</b>	<b>1920.33</b>	<b>1932.97</b>	<b>1929.72</b>	<b>1991.49</b>	<b>2033.41</b>	<b>2098.38</b>	<b>2172.55</b>	<b>2179.75</b>	<b>2080.46</b>	<b>2550.05</b>	<b>25132.92</b>
K	Energy purchased by consumers through open access at consumer end	12.377165	31.59018	45.871795	47.583835	43.594353	42.200195	41.213408	38.175805	34.50289	20.861778	17.368323	13.209795	388.55
L	Energy sale inside the state by KSEBL	1840.42	1901.68	1746.09	1680.40	1718.21	1709.04	1780.82	1838.02	1878.40	1944.34	1926.68	2187.50	22151.60
M	<b>Energy sale within the state including open access ( K+L)</b>	<b>1852.80</b>	<b>1933.27</b>	<b>1791.96</b>	<b>1727.99</b>	<b>1761.80</b>	<b>1751.24</b>	<b>1822.03</b>	<b>1876.20</b>	<b>1912.90</b>	<b>1965.20</b>	<b>1944.04</b>	<b>2200.71</b>	<b>22540.15</b>
N	<b>Loss in KSEBL system (J-M)</b>	<b>201.83</b>	<b>255.91</b>	<b>128.37</b>	<b>204.99</b>	<b>167.92</b>	<b>240.25</b>	<b>211.38</b>	<b>222.19</b>	<b>259.64</b>	<b>214.55</b>	<b>136.42</b>	<b>349.34</b>	<b>2592.78</b>
O	<b>% Loss within Kerala(N/J *100)</b>	<b>9.82%</b>	<b>11.69%</b>	<b>6.68%</b>	<b>10.60%</b>	<b>8.70%</b>	<b>12.06%</b>	<b>10.40%</b>	<b>10.59%</b>	<b>11.95%</b>	<b>9.84%</b>	<b>6.56%</b>	<b>13.70%</b>	<b>10.32%</b>



<b>TABLE 16</b>														
<b>STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS &amp; SYSTEM LOSSES FOR 2021-22</b>														
<i>(in Million Units)</i>														
Sl.No.	Stations	04/21	05/21	06/21	07/21	08/21	09/21	10/21	11/21	12/21	01/22	02/22	03/22	TOTAL
<b>A</b>	<b>KSEBL INTERNAL GENERATION</b>													
1	Idamalayar	28.68	31.99	18.73	20.08	36.61	18.78	47.25	39.31	22.82	38.24	39.04	39.70	<b>381.23</b>
2	Idukki	270.97	235.93	210.15	326.08	342.73	145.72	389.28	501.80	313.90	302.59	275.96	394.58	<b>3709.69</b>
3	Kakkad	22.81	26.44	26.44	27.77	27.68	23.83	24.96	26.72	22.39	18.38	8.92	16.36	<b>272.70</b>
4	Kallada	3.39	3.23	4.21	4.53	4.66	5.15	5.47	5.38	5.65	5.52	4.83	7.87	<b>59.89</b>
5	Kuttiyadi+KES+KAES	33.27	48.39	58.58	112.88	85.34	95.36	81.52	53.49	42.83	51.99	41.60	46.10	<b>751.35</b>
6	KuttiyadiTail Race	0.46	0.33	0.58	1.22	0.92	1.02	0.80	0.46	0.57	0.45	0.28	0.39	<b>7.48</b>
7	Kakkayam SHEP	0.30	0.81	0.78	1.34	1.07	1.20	1.05	0.80	0.41	0.72	0.70	0.76	<b>9.94</b>
8	Lower Meenmutty	0.10	0.58	0.93	0.84	0.71	0.79	1.15	1.01	0.60	0.15	0.05	0.03	<b>6.94</b>
9	Lower Periyar	19.83	50.97	79.27	107.38	105.52	84.93	115.33	118.33	67.08	27.80	16.94	18.55	<b>811.93</b>
10	Maduppatty	0.97	0.59	0.22	0.10	0.00	0.00	0.91	1.14	0.95	0.44	0.56	0.63	<b>6.51</b>
11	Malampuzha	0.00	0.00	0.00	0.00	0.00	0.01	0.30	0.18	0.92	1.41	0.97	0.10	<b>3.89</b>
12	Malankara	3.03	2.85	2.50	2.47	2.02	1.84	1.59	1.22	1.65	3.02	2.74	3.16	<b>28.09</b>
13	Neriamangalam	9.23	18.29	24.52	31.99	36.71	26.51	36.26	35.00	25.19	12.46	11.50	7.95	<b>275.61</b>
14	NES	9.85	14.73	17.10	18.16	18.28	17.01	18.66	17.84	16.15	9.17	2.76	10.14	<b>169.85</b>
15	Pallivasal	11.39	12.67	12.33	12.84	13.69	12.63	13.01	12.55	12.76	9.71	10.20	10.72	<b>144.50</b>
16	Panniyar	12.81	16.77	19.33	22.02	22.42	19.23	22.83	22.21	18.64	13.26	9.89	13.76	<b>213.17</b>
17	Peppara	0.41	0.98	0.90	0.00	0.19	1.14	2.15	2.09	1.05	0.41	0.55	0.64	<b>10.51</b>
18	Poringalkuthu	6.93	14.54	17.47	17.09	26.69	25.66	27.00	26.20	9.54	4.08	13.13	6.28	<b>194.61</b>
19	PLBE	5.90	10.96	10.21	10.67	11.63	11.24	11.60	11.37	8.30	7.87	3.85	11.19	<b>114.79</b>
20	Sabarigiri	169.03	195.07	196.70	203.47	204.36	156.36	161.86	189.46	159.50	118.44	114.52	178.92	<b>2047.69</b>
21	Sengualm	10.38	13.72	16.70	19.48	18.41	19.09	21.00	18.79	17.32	9.56	8.33	9.94	<b>182.72</b>
22	Vellathhoval SHEP	0.10	0.33	0.52	1.04	1.54	1.16	1.59	1.66	1.07	0.40	0.26	0.31	<b>9.98</b>
23	Sholayar	24.93	25.26	4.01	2.96	11.90	31.58	37.43	26.92	8.08	19.25	34.10	36.21	<b>262.63</b>
24	Chembukadvu - I	0.00	0.00	0.66	1.08	1.09	0.72	0.84	0.52	0.12	0.00	0.00	0.00	<b>5.03</b>
25	Chembukadavu- II	0.00	0.00	0.98	1.69	1.71	1.13	1.30	0.82	0.19	0.00	0.00	0.00	<b>7.82</b>
26	Urumi - I	0.00	0.00	1.17	1.89	1.77	1.25	1.55	1.05	0.18	0.00	0.00	0.00	<b>8.86</b>
27	Urumi - II	0.00	0.06	0.73	1.17	1.18	0.83	0.98	0.69	0.12	0.00	0.00	0.00	<b>5.76</b>
28	Poozhithode	0.00	0.51	1.98	2.96	2.82	1.55	2.16	1.24	0.33	0.08	0.00	0.00	<b>13.63</b>
29	Ranni-Perinadu	0.88	0.81	1.11	1.17	1.11	1.09	0.79	1.02	0.71	0.43	0.39	0.76	<b>10.27</b>
30	Peechi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
31	Vilangadu	0.00	0.27	2.31	3.56	4.45	3.32	3.12	1.59	0.38	0.13	0.01	0.00	<b>19.14</b>
32	Chimmony	0.35	0.23	0.38	0.11	0.00	0.49	1.50	1.38	0.91	0.90	1.20	0.90	<b>8.35</b>
33	Addyanpara	0.02	0.52	1.27	1.97	2.10	1.74	2.01	1.67	0.44	0.14	0.06	0.01	<b>11.95</b>
34	Barapole	0.00	0.00	2.86	8.27	10.41	10.47	9.62	5.13	1.92	0.51	0.03	0.00	<b>49.22</b>

Table 16 contd..

35	Perunthenaruvi	0.05	1.06	0.91	1.47	1.84	1.46	0.51	0.00	0.00	0.00	0.00	0.00	7.30
36	Chathankottunada	0.00	0.00	0.84	2.20	3.20	2.21	2.39	1.50	0.28	0.09	0.03	0.00	12.74
37	Upper Kallar	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.59	0.29	0.02	0.01	0.00	1.14
38	Poringal kuthu screw generation	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.04
<b>Ia</b>	<b>KSEBL Gross Hydro</b>	<b>646.09</b>	<b>728.90</b>	<b>737.40</b>	<b>971.94</b>	<b>1004.74</b>	<b>726.49</b>	<b>1049.99</b>	<b>1131.16</b>	<b>763.23</b>	<b>657.61</b>	<b>603.39</b>	<b>815.97</b>	<b>9836.91</b>
	<b>Auxiliary consumption</b>	7.77	8.43	8.90	8.86	8.37	7.24	8.77	8.10	7.05	6.40	6.33	7.84	94.06
<b>Ib</b>	<b>KSEBL Net Hydro</b>	<b>638.32</b>	<b>720.46</b>	<b>728.50</b>	<b>963.09</b>	<b>996.38</b>	<b>719.25</b>	<b>1041.22</b>	<b>1123.06</b>	<b>756.18</b>	<b>651.20</b>	<b>597.06</b>	<b>808.13</b>	<b>9742.85</b>
<b>IIa</b>	<b>KSEBL Wind</b>													
39	Kanjikode	0.08	0.11	0.15	0.16	0.15	0.12	0.04	0.04	0.09	0.08	0.06	0.08	1.16
	Auxiliary consumption wind	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
<b>IIb</b>	<b>Net Generation wind (KSEBL)</b>	<b>0.08</b>	<b>0.11</b>	<b>0.15</b>	<b>0.16</b>	<b>0.15</b>	<b>0.12</b>	<b>0.04</b>	<b>0.04</b>	<b>0.09</b>	<b>0.08</b>	<b>0.06</b>	<b>0.08</b>	<b>1.16</b>
<b>IIIa</b>	<b>KSEBL Solar</b>													
40	Total solar(incl Saura)	2.07	1.60	1.49	1.32	1.45	1.52	1.31	1.16	1.81	1.85	2.02	2.59	20.20
	Auxiliary Consumption Solar	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
<b>IIIb</b>	<b>KSEBL Net Solar</b>	<b>2.07</b>	<b>1.60</b>	<b>1.49</b>	<b>1.32</b>	<b>1.45</b>	<b>1.52</b>	<b>1.31</b>	<b>1.16</b>	<b>1.81</b>	<b>1.85</b>	<b>2.02</b>	<b>2.59</b>	<b>20.20</b>
<b>IV a</b>	<b>KSEBL Thermal</b>													
41	BDPP,Brahmapuram	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
42	KDPP, Nallalam	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
	Aux. cons.- BDPP (Thermal)	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0.05	0.05	0.05	0.61
	Aux cons.-KDPP (Thermal)	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.54
<b>IVb</b>	<b>KSEBL Net Thermal Generation</b>	<b>-0.10</b>	<b>-0.09</b>	<b>-0.09</b>	<b>-0.10</b>	<b>-0.09</b>	<b>-0.10</b>	<b>-0.10</b>	<b>-0.09</b>	<b>-0.11</b>	<b>-0.10</b>	<b>-0.10</b>	<b>-0.10</b>	<b>-1.16</b>
<b>A</b>	<b>Net Generation- KSEBL (Ib+IIb+IIIb+IVb)</b>	<b>640.37</b>	<b>722.08</b>	<b>730.05</b>	<b>964.47</b>	<b>997.89</b>	<b>720.79</b>	<b>1042.47</b>	<b>1124.17</b>	<b>757.97</b>	<b>653.03</b>	<b>599.04</b>	<b>810.70</b>	<b>9763.05</b>
<b>B</b>	<b>POWER PURCHASE</b>													
<b>Va</b>	<b>Central Generating Stations at Keralaperiphery ( KSEB end)</b>													
1	RSTPS ( Unit 1 to 6)	141.45	90.36	98.42	84.65	120.05	125.95	122.86	77.81	83.74	94.68	107.51	136.88	1284.36
2	RSTPS ( Unit 7)	39.66	30.20	31.60	28.13	37.39	37.27	25.55	10.97	24.70	31.90	33.95	40.76	372.08
3	Talcher Stage II U 3 , 4 , 5 & 6	258.39	240.39	241.41	193.25	190.69	236.04	200.33	195.58	250.85	254.14	246.94	280.16	2788.17
4	Simhadri TPS Stage II	28.00	11.73	8.68	28.74	44.33	40.95	34.90	32.36	48.88	35.57	39.66	60.31	414.11
5	Kudgi STPS unit1	36.52	0.00	2.21	7.13	24.19	31.28	38.89	5.75	24.62	33.83	36.23	64.25	304.90
6	NLC II STAGE 1	36.06	23.98	19.51	16.33	16.91	19.39	20.31	12.86	24.06	30.84	34.76	38.04	293.05
7	NLC II STAGE 2	40.10	25.62	32.04	26.83	45.71	45.23	32.78	25.25	36.84	41.98	37.43	42.24	432.05
8	NLC I EXPANSION	22.47	33.00	27.68	16.03	29.34	29.68	33.91	16.81	39.58	38.71	40.41	44.47	372.09
9	NLC II EXPANSION	36.02	25.82	29.75	15.71	10.89	18.82	23.73	14.48	30.99	15.82	26.18	10.05	258.26
10	NTPL	40.02	19.79	17.15	20.40	29.51	16.56	10.94	11.60	17.58	17.58	17.72	20.20	239.05
11	VALLUR STPS	28.66	8.63	13.83	14.42	13.62	17.99	10.78	9.44	22.12	17.58	19.55	30.51	207.13
12	NNTPP	15.81	12.41	12.72	18.57	11.04	17.31	9.72	8.78	15.73	18.65	17.29	18.14	176.17
13	MAPS	0.48	-1.06	-0.88	5.55	4.41	-0.97	4.55	5.64	5.87	5.94	2.58	7.14	39.25
14	KAPS I & II	19.50	20.95	24.26	17.17	12.92	23.66	21.32	22.94	24.48	24.27	21.92	24.33	257.72
15	KAPS III& IV	23.33	24.23	21.52	24.66	24.57	22.05	24.42	23.59	24.38	24.39	22.09	24.40	283.63

Table 16 contd..

16	KKNPP	93.02	95.64	64.85	-1.59	-2.40	76.11	93.26	92.90	\	95.98	86.87	93.60	<b>788.24</b>
17	KKNPP unit 2	14.04	77.20	79.79	91.40	76.73	85.76	88.85	63.83	90.53	79.29	82.05	70.20	<b>899.67</b>
<b>Vb</b>	<b>TOTAL CGS</b>	<b>873.52</b>	<b>738.89</b>	<b>724.52</b>	<b>607.36</b>	<b>689.90</b>	<b>843.07</b>	<b>797.09</b>	<b>630.59</b>	<b>860.55</b>	<b>861.16</b>	<b>873.13</b>	<b>1005.69</b>	<b>9505.47</b>
<b>VI a</b>	<b>Thermal IPPs/Co-Gen</b>													
1	RGCCPP net Generation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
2	BSES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
3	MPS Steel(Co-Gen Plant)Net injection to Grid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
<b>VI.b</b>	<b>Thermal IPPs /Co-Gen total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>VIIa</b>	<b>IPPs-Small Hydro</b>													
1	Ullunkal (EDCL)	1.83	2.40	2.73	3.13	2.94	2.45	2.03	1.93	1.81	1.24	1.05	1.82	<b>25.36</b>
2	Iruttukanam(VIYYAT)	0.43	1.38	3.23	3.33	3.67	3.21	3.74	3.48	2.29	0.89	0.40	0.33	<b>26.38</b>
3	Kaarikkayam (AHPL)	3.46	5.59	6.40	7.58	6.89	5.22	6.00	5.51	4.18	2.33	2.03	3.58	<b>58.77</b>
4	Meenvallam (PSHCL)	0.03	0.12	0.46	1.27	1.71	1.52	1.52	1.19	0.48	0.21	0.11	0.07	<b>8.69</b>
5	Pathamkayam	0.00	0.00	3.39	4.94	5.07	3.99	4.28	2.87	0.65	0.08	0.00	0.00	<b>25.27</b>
6	Deviyar	0.00	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.00	0.00	<b>0.15</b>
7	Kallar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
8	Anakkampoil	0.00	0.00	0.00	5.02	5.51	4.40	4.96	3.68	0.75	0.02	0.02	0.16	<b>24.52</b>
9	Arippara	0.00	0.00	0.00	0.00	1.36	1.67	1.94	1.20	0.24	0.00	0.00	0.00	<b>6.41</b>
<b>VIIb</b>	<b>IPPs-Small Hydro Total</b>	<b>5.74</b>	<b>9.50</b>	<b>16.23</b>	<b>25.29</b>	<b>27.16</b>	<b>22.48</b>	<b>24.49</b>	<b>19.88</b>	<b>10.42</b>	<b>4.78</b>	<b>3.61</b>	<b>5.96</b>	<b>175.52</b>
<b>VIII a</b>	<b>Captive Power plants</b>													
1	Maniyar IPP hydel net	2.72	4.75	5.36	5.87	5.90	4.91	5.38	5.26	3.50	1.57	0.97	2.31	<b>48.50</b>
2	Kuthungal IPP hydel net	7.20	5.98	4.03	6.54	4.44	3.86	9.50	10.80	8.42	2.62	1.10	5.09	<b>69.58</b>
<b>VIII b</b>	<b>CPP -Total</b>	<b>9.92</b>	<b>10.73</b>	<b>9.40</b>	<b>12.41</b>	<b>10.34</b>	<b>8.77</b>	<b>14.88</b>	<b>16.06</b>	<b>11.92</b>	<b>4.18</b>	<b>2.06</b>	<b>7.40</b>	<b>118.07</b>
<b>IX.a</b>	<b>Wind IPPs/Prosumers</b>													
1	Ramakkalmedu, Wind	0.52	1.98	3.21	4.45	3.62	3.50	1.44	1.07	1.34	1.04	0.86	0.75	<b>23.78</b>
2	Agali, Wind	1.46	3.26	5.19	4.57	5.24	4.40	1.72	0.90	0.38	0.46	0.24	1.12	<b>28.94</b>
3	Koundikkal	0.48	1.09	1.61	1.53	1.69	1.55	0.68	0.35	0.21	0.25	0.15	0.47	<b>10.06</b>
4	Ahalya Wind	1.18	1.76	2.21	2.34	2.30	2.03	0.83	0.80	1.19	0.99	0.68	1.11	<b>17.42</b>
5	INOX	2.23	3.02	3.81	4.42	4.18	3.86	1.44	1.39	2.59	2.22	1.54	2.28	<b>32.98</b>
6	Kosamattam	0.03	0.10	0.17	0.22	0.21	0.20	0.09	0.06	0.07	0.04	0.02	0.04	<b>1.25</b>
7	Malayala Manorama injection-CPP	1.64	2.38	3.23	3.75	3.52	3.02	1.15	1.04	1.57	1.34	0.99	1.68	<b>25.31</b>
<b>IX.b</b>	<b>Wind IPPs Total</b>	<b>7.53</b>	<b>13.59</b>	<b>19.43</b>	<b>21.29</b>	<b>20.77</b>	<b>18.56</b>	<b>7.35</b>	<b>5.61</b>	<b>7.36</b>	<b>6.34</b>	<b>4.47</b>	<b>7.44</b>	<b>139.75</b>
<b>Xa</b>	<b>Solar IPPs /Prosumer</b>													
1	Anert, Kuzhalmandam	0.25	0.18	0.17	0.16	0.16	0.17	0.16	0.14	0.23	0.22	0.24	0.24	<b>2.32</b>
2	Ambalathara -Solar Park IPP	7.03	6.14	5.56	4.93	5.54	6.28	5.97	4.98	7.27	7.80	7.14	7.26	<b>75.90</b>
3	THDCIL Paivalika Solar Park	5.07	6.95	6.29	5.14	3.10	7.11	7.58	6.63	9.23	9.49	8.91	9.15	<b>84.65</b>
4	CIAL injection-solar prosumer	2.87	2.55	2.65	2.05	2.46	2.43	2.23	1.85	3.18	3.42	3.08	3.29	<b>32.06</b>
5	CIAL ETTUKUDUKKA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	<b>1.07</b>
6	HINDALCO injection	0.00	0.05	0.07	0.04	0.05	0.06	0.05	0.02	0.06	0.05	0.04	0.05	<b>0.54</b>

Table 16 contd..

7	Grid connected consumers net injection	8.29	8.47	7.65	7.40	8.18	11.35	9.49	7.87	12.42	13.40	14.04	15.27	<b>123.83</b>
<b>Xb</b>	<b>Solar IPPs/prosumers Total</b>	<b>23.51</b>	<b>24.35</b>	<b>22.38</b>	<b>19.72</b>	<b>19.49</b>	<b>27.41</b>	<b>25.48</b>	<b>21.50</b>	<b>32.39</b>	<b>34.39</b>	<b>33.45</b>	<b>36.33</b>	<b>320.40</b>
	<b>Total IPP, CPP and Co-gen (Vib+VIIb+VIIIb+IXb+Xb)</b>	<b>46.71</b>	<b>58.17</b>	<b>67.43</b>	<b>78.72</b>	<b>77.75</b>	<b>77.21</b>	<b>72.19</b>	<b>63.05</b>	<b>62.09</b>	<b>49.69</b>	<b>43.59</b>	<b>57.13</b>	<b>753.74</b>
	<b>TRADERS</b>													
<b>XI.a</b>	<b>LTOA contracts</b>													
1	Maithon I	21.73	14.98	19.08	17.58	20.09	19.04	18.52	13.93	22.11	19.95	18.54	25.12	<b>230.67</b>
2	Maithon-II	56.52	50.96	49.87	51.33	42.78	43.13	41.11	30.90	48.00	41.17	25.10	60.37	<b>541.24</b>
3	DVC Mejia	94.00	88.13	86.04	90.24	94.86	93.03	87.94	74.96	89.79	84.62	71.13	54.36	<b>1009.10</b>
4	DVC RTPS	93.98	88.12	86.04	90.24	94.86	93.03	87.94	74.96	89.79	84.62	71.13	54.36	<b>1009.07</b>
5	Jindal Power Limited ((Bid I)	130.89	86.12	103.20	98.86	115.94	113.74	110.87	122.90	135.52	135.62	121.62	128.17	<b>1403.45</b>
6	Jindal Power Limited ((Bid II)	98.17	64.54	77.50	74.23	86.94	85.32	83.26	92.11	101.64	101.71	91.21	96.12	<b>1052.75</b>
7	Jhabua Power Limited ((Bid I)	54.14	63.11	52.83	50.90	60.59	58.81	16.61	75.06	60.22	66.38	70.51	78.21	<b>707.37</b>
8	Jhabua Power Limited ((Bid II)	47.10	55.05	45.80	44.16	52.69	51.14	14.44	65.29	52.37	57.72	61.31	68.01	<b>615.08</b>
9	JITPL	57.93	39.72	44.44	47.56	57.23	66.11	54.86	60.86	63.32	54.90	55.15	63.07	<b>665.15</b>
10	BALCO	59.53	45.19	51.14	51.14	46.54	7.70	8.88	53.51	67.72	60.28	0.00	35.76	<b>487.39</b>
11	REMC Purchase from AMEKIL- L_SR_2021_01	5.99	8.91	9.93	12.88	10.65	5.13	3.88	3.36	5.74	5.36	4.45	6.29	<b>82.57</b>
12	REMC Purchase from AMEKIL- L_SR_2021_02	4.51	10.19	14.76	19.32	15.98	7.69	5.83	5.04	8.60	8.04	6.67	9.43	<b>116.06</b>
<b>XI.b</b>	<b>Sub Total LTOA</b>	<b>724.49</b>	<b>615.02</b>	<b>640.62</b>	<b>648.45</b>	<b>699.15</b>	<b>643.86</b>	<b>534.13</b>	<b>672.89</b>	<b>744.83</b>	<b>720.37</b>	<b>596.83</b>	<b>679.29</b>	<b>7919.93</b>
<b>XII.a</b>	<b>Short Term Contracts</b>													
1	STOA-Purchase from JITPL through PTC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	153.96	164.41	185.14	<b>503.51</b>
2	Purchase from RPREL through AEL	32.37	31.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>64.24</b>
3	Purchase from JPL-2 Through PTCIL	14.94	9.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>24.70</b>
4	DEEP purchase from DB power through GMRE	35.85	30.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>66.69</b>
	DEEP purchase from DB power through GMRE	14.94	13.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>28.06</b>
<b>XII.b</b>	<b>Sub Total STOA</b>	<b>98.10</b>	<b>85.59</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>153.96</b>	<b>164.41</b>	<b>185.14</b>	<b>687.21</b>
	<b>POWER EXCHANGES</b>													
<b>XIII.a</b>	<b>TAM</b>													
1	IEX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
2	PXIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
<b>XIII.b</b>	<b>TAM Sub Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>XIV.a</b>	<b>DAM</b>													
1	IEX	3.68	0.00	0.50	0.21	0.00	0.88	0.00	0.05	4.12	11.22	18.57	5.20	<b>44.44</b>
2	PXIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
<b>XIV.b</b>	<b>DAM Sub Total</b>	<b>3.68</b>	<b>0.00</b>	<b>0.50</b>	<b>0.21</b>	<b>0.00</b>	<b>0.88</b>	<b>0.00</b>	<b>0.05</b>	<b>4.12</b>	<b>11.22</b>	<b>18.57</b>	<b>5.20</b>	<b>44.44</b>
<b>XV.a</b>	<b>RTM</b>													
1	IEX	3.15	0.54	0.27	0.20	0.91	0.34	0.71	0.00	0.03	1.54	4.36	2.71	<b>14.77</b>
2	PXIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
<b>XV.b</b>	<b>RTM Sub Total</b>	<b>3.15</b>	<b>0.54</b>	<b>0.27</b>	<b>0.20</b>	<b>0.91</b>	<b>0.34</b>	<b>0.71</b>	<b>0.00</b>	<b>0.03</b>	<b>1.54</b>	<b>4.36</b>	<b>2.71</b>	<b>14.77</b>
<b>XVI a</b>	<b>GDAM</b>													
	IEX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	4.08	<b>5.03</b>

Table 16 contd..

	PXIL	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
<b>XVI b</b>	<b>GDAM Sub Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.95</b>	<b>4.08</b>	<b>5.03</b>
<b>XVII a</b>	<b>SWAP</b>													
	SWAP from TPDDL thru PTCIL	34.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.81
	SWAP from JITPL through PTCIL Swap Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.96	17.96
<b>XVII b</b>	<b>SWAP Total</b>	<b>34.81</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>17.96</b>	<b>52.76</b>
<b>XVIII</b>	<b>Deviation Settlement Mechanism (Net)</b>	9.95	-1.47	9.44	-14.46	-20.34	-4.64	-21.76	-26.49	-9.93	-3.25	0.55	-13.28	-95.68
<b>B</b>	<b>Total Power Purchase at Kerala Periphery ((Sum(Vb to Xb)+XVI b+XVII b+XVIII))</b>	<b>1794.41</b>	<b>1496.75</b>	<b>1442.78</b>	<b>1320.49</b>	<b>1447.37</b>	<b>1560.72</b>	<b>1382.36</b>	<b>1340.09</b>	<b>1661.68</b>	<b>1794.70</b>	<b>1702.39</b>	<b>1943.92</b>	<b>18887.67</b>
<b>C</b>	<b>Total KSEBL Generation &amp; Power Purchase (A+B)</b>	<b>2434.78</b>	<b>2218.83</b>	<b>2172.83</b>	<b>2284.96</b>	<b>2445.26</b>	<b>2281.51</b>	<b>2424.83</b>	<b>2464.26</b>	<b>2419.65</b>	<b>2447.73</b>	<b>2301.43</b>	<b>2754.62</b>	<b>28650.69</b>
<b>D</b>	<b>Substation Auxiliary consumption</b>	<b>1.79</b>	<b>1.67</b>	<b>1.61</b>	<b>1.60</b>	<b>1.61</b>	<b>1.64</b>	<b>1.66</b>	<b>1.62</b>	<b>1.77</b>	<b>1.88</b>	<b>1.83</b>	<b>2.09</b>	<b>20.77</b>
<b>E</b>	<b>Net Generation and Power Purchase (C-D)</b>	<b>2432.99</b>	<b>2217.16</b>	<b>2171.22</b>	<b>2283.36</b>	<b>2443.65</b>	<b>2279.87</b>	<b>2423.17</b>	<b>2462.64</b>	<b>2417.88</b>	<b>2445.85</b>	<b>2299.60</b>	<b>2752.53</b>	<b>28629.92</b>
<b>F</b>	Energy injected by private developers at Generator end for sale outside the state through open access	3.97	4.06	3.96	4.23	4.29	3.94	4.12	4.12	4.28	4.35	3.66	4.30	49.28
<b>G</b>	Energy purchased by consumers through open access at Kerala periphery	17.97	33.08	36.46	42.84	15.07	20.10	14.97	29.56	17.32	20.45	14.17	6.72	268.69
<b>H</b>	<b>Out side State Sale by KSEBL</b>													
a	DAM( Kerala Periphery)-IEX	18.56	131.64	126.92	135.11	239.90	79.95	149.02	240.62	104.80	99.84	45.83	70.25	1442.44
b	DAM( Kerala Periphery)-PXIL	0.17	1.98	10.64	1.30	4.98	0.32	0.26	0.74	0.27	0.56	0.00	0.20	21.41
c	TAM ( Kerala Periphery)-IEX	0.00	1.12	1.16	0.00	0.00	0.00	0.80	0.00	0.00	0.00	0.00	0.00	3.08
d	TAM ( Kerala Periphery)-PXIL	0.00	11.58	4.31	5.21	0.00	0.59	18.86	55.18	4.42	0.00	0.00	0.00	100.15
e	RTM ( Kerala Periphery)-IEX	5.95	44.58	30.99	58.78	62.65	26.14	57.06	71.31	41.92	37.15	34.95	54.36	525.85
f	RTM ( Kerala Periphery)-PXIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.76
g	GDAM ( Kerala Periphery)-IEX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.73
<b>i</b>	<b>Total Sale outside the state(a+b+c+d+e+f+g)</b>	<b>24.68</b>	<b>190.90</b>	<b>174.02</b>	<b>200.40</b>	<b>307.53</b>	<b>107.00</b>	<b>226.00</b>	<b>367.85</b>	<b>151.41</b>	<b>137.55</b>	<b>81.54</b>	<b>125.54</b>	<b>2094.42</b>
a	SWAP Return	0.00	0.00	12.45	36.58	36.25	21.00	0.00	0.00	0.00	0.00	0.00	0.00	106.28
<b>ii</b>	<b>Total SWAP return</b>	<b>0.00</b>	<b>0.00</b>	<b>12.45</b>	<b>36.58</b>	<b>36.25</b>	<b>21.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>106.28</b>
<b>H</b>	<b>Energy sale outside the State by KSEBL and Swap return(i+ii)</b>	<b>24.68</b>	<b>190.90</b>	<b>186.47</b>	<b>236.98</b>	<b>343.78</b>	<b>128.00</b>	<b>226.00</b>	<b>367.85</b>	<b>151.41</b>	<b>137.55</b>	<b>81.54</b>	<b>125.54</b>	<b>2200.70</b>
<b>I</b>	Energy injected by private developers at Kerala periphery for sale outside state through open access	3.70	3.70	3.41	3.43	4.00	3.68	3.64	3.72	3.83	3.82	3.22	3.88	44.03
<b>J</b>	<b>Net energy available for sale inside the state (E+F+G-H-I)</b>	<b>2426.55</b>	<b>2059.70</b>	<b>2021.76</b>	<b>2090.02</b>	<b>2115.23</b>	<b>2172.23</b>	<b>2212.62</b>	<b>2124.75</b>	<b>2284.24</b>	<b>2329.28</b>	<b>2232.67</b>	<b>2634.13</b>	<b>26703.18</b>
<b>K</b>	Energy purchased by consumers through open access at consumer end	17.13	30.51	34.37	40.31	14.40	19.07	14.23	27.96	16.25	19.32	13.45	6.39	253.39
<b>L</b>	Energy adjusted against captive injection under VIII A, IX.A and X.A	16.68	15.77	16.67	19.53	18.71	17.58	19.60	19.81	21.11	17.59	17.94	21.24	222.23
<b>M</b>	<b>Energy sale inside the state by KSEBL</b>	<b>2117.18</b>	<b>1765.68</b>	<b>1798.20</b>	<b>1814.48</b>	<b>1876.46</b>	<b>1936.88</b>	<b>1951.04</b>	<b>1893.28</b>	<b>2016.67</b>	<b>2057.75</b>	<b>2045.45</b>	<b>2226.52</b>	<b>23499.59</b>
<b>N</b>	Energy given to RGCCPP	0.86	1.33	0.64	0.60	0.68	0.55	0.69	0.55	0.50	0.64	0.61	0.57	8.22
<b>O</b>	<b>Energy sale within the state including open access ( K+L)</b>	<b>2151.85</b>	<b>1813.29</b>	<b>1849.89</b>	<b>1874.91</b>	<b>1910.24</b>	<b>1974.09</b>	<b>1985.56</b>	<b>1941.60</b>	<b>2054.52</b>	<b>2095.30</b>	<b>2077.44</b>	<b>2254.72</b>	<b>23983.41</b>
<b>P</b>	<b>Loss in KSEBL system (J-M)</b>	<b>274.70</b>	<b>246.42</b>	<b>171.87</b>	<b>215.10</b>	<b>204.96</b>	<b>198.14</b>	<b>227.06</b>	<b>183.16</b>	<b>229.72</b>	<b>233.98</b>	<b>155.24</b>	<b>379.42</b>	<b>2719.77</b>
<b>Q</b>	<b>% Loss within Kerala(N/J *100)</b>	<b>11.32%</b>	<b>11.96%</b>	<b>8.50%</b>	<b>10.29%</b>	<b>9.69%</b>	<b>9.12%</b>	<b>10.26%</b>	<b>8.62%</b>	<b>10.06%</b>	<b>10.05%</b>	<b>6.95%</b>	<b>14.40%</b>	<b>10.19%</b>

<b>TABLE 17</b>														
<b>STATION WISE MONTHLY GENERATION AND POWER PURCHASE DETAILS &amp; SYSTEM LOSSES FOR 2022-23</b>														
<i>(in Million Units)</i>														
Sl.No.	Stations	04/22	05/22	06/22	07/22	08/22	09/22	10/22	11/22	12/22	01/23	02/23	03/23	TOTAL
<b>A</b>	<b>KSEBL INTERNAL GENERATION</b>													
1	Idamalayar	38.88	33.43	21.78	26.57	52.83	52.33	47.12	23.97	26.12	31.69	30.77	23.51	<b>408.99</b>
2	Idukki	399.61	235.40	202.60	216.25	519.81	400.84	186.57	191.88	220.60	235.72	255.82	196.94	<b>3262.04</b>
3	Kakkad	22.63	22.49	19.03	24.36	24.84	25.00	24.02	20.68	16.20	14.06	13.99	15.66	<b>242.97</b>
4	Kallada	6.52	6.22	2.98	4.26	8.90	8.92	1.70	5.63	7.57	3.75	6.18	4.91	<b>67.52</b>
5	Kuttiyadi+KES+KAES	46.74	51.09	43.50	150.78	144.17	125.85	59.75	23.70	34.22	34.59	43.63	29.24	<b>787.27</b>
6	KuttiyadiTail Race	0.40	0.66	0.45	1.61	1.61	1.34	0.63	0.32	0.23	0.19	0.37	0.24	<b>8.05</b>
7	Lower Meenmutty	0.15	0.64	0.51	0.89	0.89	0.70	0.63	0.79	0.37	0.11	0.04	0.04	<b>5.75</b>
8	Lower Periyar	23.58	46.48	41.80	121.01	123.55	106.45	81.74	62.10	38.88	13.96	13.96	15.61	<b>689.12</b>
9	Maduppatty	0.60	0.43	0.34	0.00	0.50	0.64	0.26	0.00	0.20	0.42	0.36	0.50	<b>4.26</b>
10	Malampuzha	0.00	0.00	0.00	0.20	0.45	0.85	0.23	0.00	0.82	1.18	0.94	0.08	<b>4.74</b>
11	Malankara	3.05	2.30	1.77	2.15	1.39	1.15	2.23	1.91	2.07	2.33	2.83	2.51	<b>25.69</b>
12	Neriamangalam+NES	20.78	28.52	26.22	55.19	55.45	52.51	46.50	39.93	26.81	10.21	9.73	11.55	<b>383.39</b>
13	Pallivasal	11.57	12.80	12.97	13.74	13.82	13.34	13.77	10.78	13.45	10.11	7.47	13.75	<b>147.58</b>
14	Panniyar	14.38	9.47	10.35	17.03	23.49	22.75	23.53	21.90	20.12	9.65	12.44	13.82	<b>198.92</b>
15	Peppara	0.14	1.00	0.63	0.71	1.04	0.65	0.92	0.91	0.64	0.52	0.50	0.61	<b>8.26</b>
16	Poringalkuthu+PLBE	18.58	22.39	12.13	39.62	38.03	37.73	32.11	7.51	10.45	7.48	6.98	7.42	<b>240.44</b>
17	PLBAE	0.00	1.01	6.25	17.50	17.64	17.17	16.23	11.09	9.12	4.20	0.00	2.78	<b>102.99</b>
18	Sabarigiri	154.50	132.26	111.14	122.46	151.42	167.83	167.17	135.00	107.05	91.39	89.66	106.57	<b>1536.43</b>
19	Sengualm	9.75	13.40	13.13	17.53	16.89	20.36	19.83	15.13	0.40	0.00	0.00	0.00	<b>126.42</b>
20	Vellathhoval SHEP	0.29	0.51	0.45	0.85	0.79	0.85	0.64	0.48	0.31	0.06	0.06	0.08	<b>5.38</b>
21	Sholayar	33.08	19.21	0.00	5.87	24.99	25.31	25.32	18.10	20.76	18.04	12.42	13.18	<b>216.27</b>
22	Chembukadvu - I	0.00	0.19	0.84	1.06	0.89	0.76	0.31	0.08	0.03	0.00	0.00	0.00	<b>4.15</b>
23	Chembukadavu- II	0.00	0.26	1.33	1.69	1.43	1.21	0.46	0.12	0.04	0.00	0.00	0.00	<b>6.53</b>
24	Urumi - I	0.00	0.71	1.56	1.84	1.70	1.17	0.79	0.30	0.06	0.00	0.00	0.00	<b>8.14</b>
25	Urumi - II	0.00	0.42	0.95	1.18	0.96	0.56	0.51	0.22	0.05	0.00	0.00	0.00	<b>4.85</b>
26	Poozhithode	0.00	0.53	2.02	2.78	2.43	1.83	0.56	0.18	0.13	0.02	0.00	0.00	<b>10.49</b>
27	Ranni-Perinadu	0.80	0.75	0.77	0.93	0.87	1.02	1.10	1.00	0.70	0.29	0.25	0.35	<b>8.82</b>
28	Peechi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.22	0.04	0.48	<b>0.90</b>
29	Vilangadu	5.36	0.62	2.13	4.66	4.16	3.09	0.97	0.33	0.20	0.04	0.00	0.00	<b>21.55</b>
30	Chimmony	0.09	0.00	0.00	0.77	1.59	1.39	0.64	1.35	0.95	0.80	0.87	0.54	<b>9.01</b>
31	Addyanpara	0.03	0.28	0.94	2.39	2.32	1.67	0.96	0.46	0.23	0.08	0.03	0.01	<b>9.40</b>
32	Barapole	0.00	0.63	2.97	10.75	10.84	9.95	5.36	1.95	0.98	0.39	0.09	0.00	<b>43.91</b>
33	Perunthenaruvi	0.15	2.47	3.09	1.15	0.71	1.03	1.28	1.52	0.80	0.12	0.00	0.00	<b>12.34</b>
34	Kakkayam SHEP	0.73	0.58	0.60	1.78	1.76	1.52	0.76	0.22	0.59	0.66	0.64	0.45	<b>10.29</b>
35	Chathankottunada	0.00	0.67	1.60	3.10	2.89	2.02	0.88	0.26	0.14	0.03	0.00	0.00	<b>11.60</b>
36	Upper Kallar	0.00	0.00	0.16	0.35	0.54	0.49	0.00	0.14	0.23	0.07	0.01	0.01	<b>2.01</b>
37	Poringal kuthu screw generation	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	<b>0.05</b>

Table 17 Contd..

<b>Ia</b>	<b>KSEBL Gross Hydro</b>	<b>812.40</b>	<b>647.84</b>	<b>547.02</b>	<b>873.00</b>	<b>1255.57</b>	<b>1110.26</b>	<b>765.50</b>	<b>599.93</b>	<b>561.68</b>	<b>492.39</b>	<b>510.08</b>	<b>460.85</b>	<b>9836.91</b>
	Auxiliary consumption	9.17	7.14	6.21	12.19	12.16	11.30	8.90	6.86	6.49	6.03	6.41	5.63	<b>98.50</b>
<b>Ib</b>	<b>KSEBL Net Hydro</b>	<b>803.23</b>	<b>640.70</b>	<b>540.81</b>	<b>860.82</b>	<b>1243.41</b>	<b>1098.96</b>	<b>756.61</b>	<b>593.07</b>	<b>555.18</b>	<b>486.36</b>	<b>503.67</b>	<b>455.23</b>	<b>8538.03</b>
<b>IIa</b>	<b>KSEBL Wind</b>													
39	Kanjikode	0.05	0.14	0.16	0.17	0.16	0.10	0.05	0.03	0.06	0.10	0.08	0.09	<b>1.19</b>
	Auxiliary consumption wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
<b>IIb</b>	<b>Net Generation wind (KSEBL)</b>	<b>0.05</b>	<b>0.14</b>	<b>0.16</b>	<b>0.17</b>	<b>0.16</b>	<b>0.10</b>	<b>0.05</b>	<b>0.03</b>	<b>0.06</b>	<b>0.10</b>	<b>0.08</b>	<b>0.09</b>	<b>1.19</b>
<b>IIIa</b>	<b>KSEBL Solar</b>													
40	Total solar(incl Saura)	1.96	1.58	1.61	1.28	1.37	1.68	1.71	1.60	1.71	2.10	2.22	2.74	<b>21.55</b>
	Auxiliary Consumption Solar													<b>0.00</b>
<b>IIIb</b>	<b>KSEBL Net Solar</b>	<b>1.96</b>	<b>1.58</b>	<b>1.61</b>	<b>1.28</b>	<b>1.37</b>	<b>1.68</b>	<b>1.71</b>	<b>1.60</b>	<b>1.71</b>	<b>2.10</b>	<b>2.22</b>	<b>2.74</b>	<b>21.55</b>
<b>IV a</b>	<b>KSEBL Thermal</b>													
41	BDPP,Brahmapuram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
42	KDPP, Nallalam	0.11	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.12</b>
	Aux. cons.- BDPP (Thermal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
	Aux cons.-KDPP (Thermal)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	<b>0.56</b>
<b>IVb</b>	<b>KSEBL Net Thermal Generation</b>	<b>0.07</b>	<b>-0.04</b>	<b>-0.05</b>	<b>-0.05</b>	<b>-0.05</b>	<b>-0.05</b>	<b>-0.05</b>	<b>-0.05</b>	<b>-0.05</b>	<b>-0.05</b>	<b>-0.05</b>	<b>-0.05</b>	<b>-0.44</b>
<b>A</b>	<b>Net Generation- KSEBL (Ib+IIb+IIIb+IVb)</b>	<b>805.31</b>	<b>642.39</b>	<b>542.53</b>	<b>862.21</b>	<b>1244.88</b>	<b>1100.70</b>	<b>758.32</b>	<b>594.66</b>	<b>556.91</b>	<b>488.51</b>	<b>505.92</b>	<b>458.00</b>	<b>8560.33</b>
<b>B</b>	<b>POWER PURCHASE</b>													
<b>Va</b>	<b>Central Generating Stations at Keralaperiphery ( KSEB end)</b>													
1	RSTPS ( Unit 1 to 6)	132.81	121.70	145.71	79.91	67.90	78.53	105.99	121.99	97.28	107.70	128.53	155.69	<b>1343.74</b>
2	RSTPS ( Unit 7)	39.55	37.45	14.57	0.00	13.88	23.55	22.49	34.69	39.58	40.20	34.89	40.81	<b>341.66</b>
3	Talcher Stage II U 3 , 4 , 5 & 6	270.41	280.50	277.55	269.28	255.55	251.72	251.72	208.51	239.91	239.10	241.45	279.78	<b>3065.48</b>
4	Simhadri TPS Stage II	57.08	40.46	27.68	25.68	31.11	35.81	34.98	48.71	52.02	45.49	39.70	47.00	<b>485.73</b>
5	Kudgi STPS unit1	52.88	34.48	64.82	35.81	32.73	33.71	4.47	40.93	44.29	42.03	47.64	51.04	<b>484.83</b>
6	NLC II STAGE 1	36.59	30.78	33.84	19.37	14.23	14.35	16.02	21.02	22.35	27.99	19.69	24.15	<b>280.37</b>
7	NLC II STAGE 2	55.37	48.42	42.42	39.83	38.27	43.59	38.39	22.53	17.66	21.13	32.01	41.20	<b>440.83</b>
8	NLC I EXPANSION	43.80	44.06	43.81	39.21	19.92	20.85	35.99	37.15	36.41	31.63	32.05	33.34	<b>418.22</b>
9	NLC II EXPANSION	23.05	32.91	31.90	19.25	26.43	26.03	25.87	11.41	18.93	9.72	22.73	12.30	<b>260.53</b>
10	NNTPP	17.68	22.34	17.90	21.38	19.52	18.11	20.23	17.68	7.47	18.51	18.07	22.06	<b>220.93</b>
11	NTPL	20.63	33.47	37.35	26.75	29.49	25.68	33.09	23.80	45.57	38.65	32.83	43.55	<b>390.86</b>
12	VALLUR STPS	29.59	26.09	28.49	13.55	15.89	23.89	22.65	31.45	28.60	22.64	28.36	34.30	<b>305.51</b>
13	MAPS	5.70	3.93	5.32	7.11	4.82	6.63	6.53	7.11	7.27	7.28	4.74	7.00	<b>73.43</b>
14	KAIGA	47.05	48.44	44.64	49.00	47.01	36.54	49.53	46.52	38.00	51.62	45.81	50.56	<b>554.73</b>
15	KKNPP	90.74	91.61	170.26	149.24	88.40	96.13	179.33	167.99	177.85	163.06	162.90	181.66	<b>1719.18</b>
<b>Vb</b>	<b>TOTAL CGS</b>	<b>922.94</b>	<b>896.62</b>	<b>986.23</b>	<b>795.37</b>	<b>705.15</b>	<b>735.14</b>	<b>847.27</b>	<b>841.49</b>	<b>873.21</b>	<b>866.77</b>	<b>891.40</b>	<b>1024.46</b>	<b>10386.03</b>
<b>VI a</b>	<b>Thermal IPPs/Co-Gen</b>													
1	RGCCPP net Generation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
2	BSES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
3	MPS Steel(Co-Gen Plant)Net injection to Grid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
<b>VI.b</b>	<b>Thermal IPPs /Co-Gen total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Table 17 Contd..

<b>VIIa</b>	<b>IPPs-Small Hydro</b>													
1	Ullunkal (EDCL)	1.85	1.99	1.98	2.26	2.09	2.09	2.26	1.97	1.35	0.98	0.96	1.14	<b>20.91</b>
2	Iruttukanam(VIYYAT)	0.71	2.57	2.81	4.00	4.05	3.73	3.45	2.57	1.71	0.90	0.39	0.49	<b>27.38</b>
3	Kaarikkayam (AHPL)	3.81	5.12	4.23	6.22	5.82	5.14	4.91	4.19	2.73	1.94	1.83	2.24	<b>48.20</b>
4	Meenvallam (PSHCL)	0.09	0.43	1.81	1.81	2.03	1.65	0.98	0.48	0.27	0.15	0.09	0.08	<b>9.87</b>
5	Pathamkayam	0.00	0.78	4.14	5.07	4.70	3.13	2.00	0.69	0.34	0.04	0.00	0.00	<b>20.89</b>
6	Deviyar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
7	Kallar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
8	Anakkampoil	0.00	0.75	4.67	5.82	5.32	4.20	2.81	0.94	0.46	0.03	0.00	0.00	<b>25.01</b>
9	Arippara	0.00	0.43	2.33	2.85	2.63	2.08	1.49	0.40	0.08	0.00	0.00	0.00	<b>12.29</b>
<b>VIIb</b>	<b>IPPs-Small Hydro Total</b>	<b>6.46</b>	<b>12.07</b>	<b>21.97</b>	<b>28.02</b>	<b>26.65</b>	<b>22.01</b>	<b>17.90</b>	<b>11.23</b>	<b>6.95</b>	<b>4.05</b>	<b>3.28</b>	<b>3.95</b>	<b>164.54</b>
<b>VIII a</b>	<b>Captive Power plants</b>													
1	Maniyar hydel net	3.01	4.48	3.87	5.51	4.47	4.31	4.37	3.65	2.22	0.82	0.70	1.16	<b>38.57</b>
2	Kuthungal hydel net	8.97	2.45	0.98	6.46	11.99	11.35	8.96	8.17	5.39	1.92	0.82	5.52	<b>72.99</b>
<b>VIII b</b>	<b>CPP -Total</b>	<b>11.98</b>	<b>6.93</b>	<b>4.85</b>	<b>11.97</b>	<b>16.46</b>	<b>15.66</b>	<b>13.33</b>	<b>11.82</b>	<b>7.61</b>	<b>2.74</b>	<b>1.52</b>	<b>6.68</b>	<b>111.56</b>
<b>IX.a</b>	<b>Wind IPPs/CPPs</b>													
1	Ramakkalmedu, Wind- IPP	0.55	2.29	3.64	4.12	2.98	3.06	1.28	0.53	1.63	1.29	1.14	1.09	<b>23.61</b>
2	Agali, Wind- IPP	0.68	3.21	5.31	3.75	3.29	4.19	1.49	0.22	0.73	0.35	0.62	1.02	<b>24.87</b>
3	Koundikkal- IPP	0.28	1.15	1.67	1.20	1.01	1.41	0.52	0.14	0.36	0.25	0.28	0.48	<b>8.73</b>
4	Ahalya Wind- IPP	0.83	2.15	2.20	2.35	2.23	2.07	0.97	0.51	0.89	1.20	1.08	1.11	<b>17.59</b>
5	INOX- IPP	1.52	3.56	4.34	4.66	4.09	3.89	1.84	1.22	2.35	2.72	2.39	2.28	<b>34.86</b>
6	Kosamattam- IPP	0.02	0.11	0.12	0.22	0.16	0.19	0.09	0.02	0.08	0.09	0.06	0.05	<b>1.23</b>
7	Malayala Manorama injection-CPP	1.14	3.09	3.34	3.63	3.43	3.03	1.35	0.71	1.51	1.66	1.61	1.61	<b>26.09</b>
<b>IX.b</b>	<b>Wind IPPs Total</b>	<b>5.03</b>	<b>15.56</b>	<b>20.62</b>	<b>19.94</b>	<b>17.19</b>	<b>17.84</b>	<b>7.53</b>	<b>3.34</b>	<b>7.55</b>	<b>7.55</b>	<b>7.19</b>	<b>7.64</b>	<b>136.97</b>
<b>Xa</b>	<b>Solar IPPs /CPPs/Prosumer</b>													
1	Anert, Kuzhalmandam- IPP	0.22	0.14	0.18	0.13	0.16	0.18	0.20	0.19	0.19	0.24	0.23	0.25	<b>2.31</b>
2	Ambalathara -Solar Park IPP	6.70	4.98	5.06	4.07	4.72	6.01	6.35	5.61	6.40	7.02	6.69	8.08	<b>71.68</b>
3	THDCIL Paivalika Solar Park- IPP	8.01	6.16	6.25	5.45	6.11	7.42	8.59	7.82	8.76	9.52	8.91	10.12	<b>93.10</b>
4	NTPC Solar- IPP	0.00	4.79	7.66	14.85	15.43	16.72	18.41	15.56	16.54	19.04	17.59	20.96	<b>167.54</b>
5	CIAL injection-Prosumer	2.70	2.28	2.10	2.03	2.31	2.81	2.87	2.48	2.15	3.16	2.99	3.46	<b>31.34</b>
6	CIAL ETTUKUDUKKA- IPP	0.00	0.00	0.00	0.53	0.91	1.10	1.39	1.23	1.32	1.48	1.42	1.72	<b>11.11</b>
7	HINDALCO injection- Prosumer	0.04	0.02	0.05	0.03	0.04	0.07	0.05	0.04	0.04	0.07	0.06	0.07	<b>0.58</b>
8	Bharat Hospital- CPP	0.11	0.01	0.10	0.07	0.08	0.11	0.11	0.10	0.11	0.13	0.12	0.13	<b>1.18</b>
9	Grid connected Prosumers- net injection	15.79	12.60	15.57	14.60	20.25	23.11	23.65	22.13	25.82	29.28	33.77	39.50	<b>276.09</b>
<b>Xb</b>	<b>Solar IPPs/prosumers Total</b>	<b>33.58</b>	<b>30.98</b>	<b>36.95</b>	<b>41.76</b>	<b>50.02</b>	<b>57.53</b>	<b>61.63</b>	<b>55.15</b>	<b>61.32</b>	<b>69.94</b>	<b>71.79</b>	<b>84.29</b>	<b>654.93</b>
	<b>Total IPP, CPP and Co-gen (Vib+VIIb+VIIIb+IXb+Xb)</b>	<b>57.06</b>	<b>65.54</b>	<b>84.39</b>	<b>101.69</b>	<b>110.31</b>	<b>113.05</b>	<b>100.39</b>	<b>81.55</b>	<b>83.43</b>	<b>84.28</b>	<b>83.77</b>	<b>102.56</b>	<b>1068.01</b>
	<b>TRADERS</b>													
<b>XI.a</b>	<b>LTOA contracts</b>													
1	Maithon I	86.53	90.06	97.47	93.25	91.13	89.15	84.59	96.83	100.56	64.96	45.18	92.20	<b>1031.92</b>
2	Maithon-II	86.53	90.06	97.47	93.24	91.10	89.01	84.71	96.86	100.56	64.96	45.18	92.20	<b>1031.90</b>
3	DVC Mejia	57.99	54.77	54.16	49.31	40.08	32.97	35.59	63.16	64.44	66.23	52.83	65.98	<b>637.50</b>
4	DVC RTPS	17.09	21.71	21.38	21.46	18.71	14.40	13.48	14.77	13.11	13.61	22.38	29.82	<b>221.93</b>

Table 17 Contd..



5	Jindal Power Limited ((Bid I)	115.15	117.21	119.37	100.29	121.31	130.20	116.52	121.99	124.37	134.13	115.15	131.43	<b>1447.12</b>
6	Jindal Power Limited ((Bid II)	86.37	87.91	89.53	75.22	90.96	97.65	87.41	91.49	93.28	100.60	86.36	98.56	<b>1085.34</b>
7	Jhabua Power Limited ((Bid I)	65.64	69.30	67.95	72.79	70.39	65.20	66.66	64.04	68.42	72.65	56.21	68.16	<b>807.42</b>
8	Jhabua Power Limited ((Bid II)	57.11	60.26	59.09	63.29	61.20	56.69	57.93	55.62	59.49	63.17	48.91	59.27	<b>702.00</b>
9	JITPL	52.21	49.06	27.24	34.32	65.19	66.72	66.44	60.74	66.91	65.15	55.76	63.05	<b>672.81</b>
10	BALCO	0.00	0.00	0.00	0.00	0.00	3.24	33.88	0.00	35.68	61.26	45.52	55.54	<b>235.13</b>
11	REMC Purchase from AMEKIL- L_SR_2021_01	10.60	15.80	13.02	10.92	10.14	7.31	4.18	2.94	6.37	8.95	3.76	4.93	<b>98.92</b>
12	REMC Purchase from AMEKIL- L_SR_2021_02	15.90	23.70	19.53	16.38	15.20	10.96	6.27	4.41	9.56	13.42	5.64	7.40	<b>148.38</b>
<b>XI.b</b>	<b>Sub Total LTOA</b>	<b>651.13</b>	<b>679.85</b>	<b>666.21</b>	<b>630.46</b>	<b>675.41</b>	<b>663.50</b>	<b>657.68</b>	<b>672.86</b>	<b>742.76</b>	<b>729.09</b>	<b>582.89</b>	<b>768.55</b>	<b>8120.38</b>
<b>XII.a</b>	<b>Short Term Contracts</b>													
1	STOA-Purchase from JITPL through PTC	165.91	146.11	14.89	0.00	0.00	0.00	0.00	0.00	0.00	142.43	161.49	179.22	<b>810.05</b>
2	DEEP purchase from JPL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.80	0.00	<b>29.80</b>
3	DEEP purchase from NBVL through TPTCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.43	0.00	<b>36.43</b>
4	Purchase from NVVN/IL&FS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.47	<b>65.47</b>
5	Purchase from TPTCL/PPGCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.91	<b>12.91</b>
6	Purchase fromPTC/JNSTPP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.91	<b>13.91</b>
<b>XII.b</b>	<b>Sub Total STOA</b>	<b>165.91</b>	<b>146.11</b>	<b>14.89</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>142.43</b>	<b>227.71</b>	<b>271.51</b>	<b>968.56</b>
	<b>POWER EXCHANGES</b>													
<b>XIII.a</b>	<b>TAM</b>													
1	IEX	0.00	13.45	0.00	0.00	0.00	0.00	0.00	0.00	2.99	2.34	0.00	0.00	<b>18.79</b>
2	PXIL	6.02	19.13	0.00	0.00	0.00	0.00	0.00	0.00	4.64	0.00	0.00	0.00	<b>29.78</b>
3	HPX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	3.90	8.46	0.48	0.00	<b>13.54</b>
<b>XIII.b</b>	<b>TAM Sub Total</b>	<b>6.02</b>	<b>32.58</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.70</b>	<b>11.53</b>	<b>10.80</b>	<b>0.48</b>	<b>0.00</b>	<b>62.11</b>
<b>XIV.a</b>	<b>DAM</b>													
1	IEX	7.97	17.45	16.07	3.38	0.00	0.00	0.41	13.84	28.46	41.57	10.43	0.00	<b>139.57</b>
2	PXIL													<b>0.00</b>
<b>XIV.b</b>	<b>DAM Sub Total</b>	<b>7.97</b>	<b>17.45</b>	<b>16.07</b>	<b>3.38</b>	<b>0.00</b>	<b>0.00</b>	<b>0.41</b>	<b>13.84</b>	<b>28.46</b>	<b>41.57</b>	<b>10.43</b>	<b>0.00</b>	<b>139.57</b>
<b>XV.a</b>	<b>RTM</b>													
1	IEX	5.86	7.39	18.95	0.76	0.00	0.28	0.91	10.44	19.61	14.04	2.98	1.74	<b>82.97</b>
2	PXIL													<b>0.00</b>
<b>XV.b</b>	<b>RTM Sub Total</b>	<b>5.86</b>	<b>7.39</b>	<b>18.95</b>	<b>0.76</b>	<b>0.00</b>	<b>0.28</b>	<b>0.91</b>	<b>10.44</b>	<b>19.61</b>	<b>14.04</b>	<b>2.98</b>	<b>1.74</b>	<b>82.97</b>
<b>XVI a</b>	<b>GDAM</b>													
	IEX	0.37	3.67	7.24	2.01	0.00	0.00	2.85	20.29	7.12	1.84	0.03	0.00	<b>45.41</b>
	PXIL													<b>0.00</b>
<b>XVI b</b>	<b>GDAM Sub Total</b>	<b>0.37</b>	<b>3.67</b>	<b>7.24</b>	<b>2.01</b>	<b>0.00</b>	<b>0.00</b>	<b>2.85</b>	<b>20.29</b>	<b>7.12</b>	<b>1.84</b>	<b>0.03</b>	<b>0.00</b>	<b>45.41</b>
<b>XVII a</b>	<b>GTAM</b>													
1	IEX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.11	0.00	0.00	0.00	<b>14.11</b>
2	PXIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.17	0.00	0.00	0.00	<b>6.17</b>
3	HPX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.85	0.00	0.00	0.00	<b>12.85</b>
<b>XVIIb</b>	<b>GTAM Sub Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>33.12</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>33.12</b>
<b>XVIII a</b>	<b>SWAP</b>													
1	SWAP -Import-1 BRPL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.88	51.13	<b>62.01</b>

Table 17 Contd..

2	SWAP -Import-2 BYPL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.23	0.00	20.23
3	SWAP -Import-2 APPCL/PSPCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	148.74	148.74
<b>XVIII b</b>	<b>SWAP Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>31.11</b>	<b>199.88</b>	<b>230.99</b>
<b>IX</b>	<b>Deviation Settlement Mechanism (Net)</b>	-2.21	11.16	8.93	0.54	-29.17	-15.43	10.39	14.85	0.90	3.24	1.46	-8.52	-3.86
<b>B</b>	<b>Total Power Purchase at Kerala Periphery ((Sum(Vb+Xb+XI b+XII b+XIII b+ XIV b+ XV b+XVI b+XVII b+XVIII b+IX))</b>	<b>1815.05</b>	<b>1860.38</b>	<b>1802.92</b>	<b>1534.21</b>	<b>1461.70</b>	<b>1496.54</b>	<b>1619.90</b>	<b>1656.01</b>	<b>1800.14</b>	<b>1894.04</b>	<b>1832.26</b>	<b>2360.17</b>	<b>21133.30</b>
<b>C</b>	<b>Total KSEBL Generation &amp; Power Purchase (A+B)</b>	<b>2620.36</b>	<b>2502.76</b>	<b>2345.45</b>	<b>2396.42</b>	<b>2706.58</b>	<b>2597.23</b>	<b>2378.22</b>	<b>2250.67</b>	<b>2357.04</b>	<b>2382.55</b>	<b>2338.17</b>	<b>2818.17</b>	<b>29693.63</b>
<b>D</b>	<b>Substation Auxiliary consumption</b>	1.91	1.92	1.80	1.81	1.96	1.85	1.96	1.90	1.99	1.89	2.21	2.18	23.18
<b>E</b>	<b>Net Generation and Power Purchase (C-D)</b>	<b>2618.44</b>	<b>2500.85</b>	<b>2343.65</b>	<b>2394.62</b>	<b>2704.62</b>	<b>2595.39</b>	<b>2376.27</b>	<b>2248.76</b>	<b>2355.06</b>	<b>2380.56</b>	<b>2336.29</b>	<b>2815.95</b>	<b>29670.45</b>
<b>F</b>	Energy injected by private developers at Generator end for sale outside the state through open access	2.29	3.91	4.12	4.23	4.00	3.70	3.49	4.36	5.36	6.55	3.49	7.28	52.77
<b>G</b>	Energy purchased by consumers through open access at Kerala periphery	1.57	12.18	11.19	18.09	15.31	15.99	25.69	8.61	8.80	7.16	4.95	5.77	135.32
<b>H</b>	<b>Out side State Sale by KSEBL</b>													
a	DAM( Kerala Periphery)-IEX	-54.25	-64.31	-30.43	-168.94	-269.33	-225.04	-33.21	-4.13	-15.65	-27.57	-46.69	-60.10	-999.66
b	DAM( Kerala Periphery)-PXIL	0.00	0.00	-2.17	-2.44	-3.91	-2.25	-0.39	0.00	0.00	-0.12	0.00	0.00	-11.28
c	TAM ( Kerala Periphery)-IEX	-0.20	-3.60	0.00	-3.87	-12.19	-10.19	0.00	0.00	0.00	0.00	0.00	0.00	-30.05
d	TAM ( Kerala Periphery)-PXIL	-1.52	-4.80	0.00	-28.24	-57.21	-14.81	-6.89	-0.70	0.00	0.00	0.00	0.00	-114.16
e	RTM ( Kerala Periphery)-IEX	-83.72	-62.84	-38.80	-51.69	-155.84	-127.58	-17.27	-2.29	-21.18	-27.34	-27.53	-16.12	-632.19
f	RTM ( Kerala Periphery)-PXIL	0.00	0.00	0.00	0.00	0.00	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	-0.10
g	GDAM ( Kerala Periphery)-IEX	-0.20	-1.98	-0.45	-7.08	-9.23	-5.24	0.00	0.00	0.00	0.00	0.00	0.00	-24.19
h	TAM HPX	0.00	0.00	0.00	0.00	0.00	-0.48	-1.00	0.00	0.00	0.00	0.00	0.00	-1.48
<b>i</b>	<b>Total Sale outside the state(a+b+c+d+e+f+g+h)</b>	<b>-139.89</b>	<b>-137.53</b>	<b>-71.85</b>	<b>-262.25</b>	<b>-507.72</b>	<b>-385.69</b>	<b>-58.75</b>	<b>-7.12</b>	<b>-36.83</b>	<b>-55.03</b>	<b>-74.22</b>	<b>-76.22</b>	<b>-1813.11</b>
a	SWAP Return	0.00	0.00	-9.88	-9.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-19.14
<b>ii</b>	<b>Total SWAP return</b>	<b>0.00</b>	<b>0.00</b>	<b>-9.88</b>	<b>-9.26</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-19.14</b>
<b>H</b>	<b>Energy sale outside the State by KSEBL and Swap return(i+ii)</b>	<b>-139.89</b>	<b>-137.53</b>	<b>-81.73</b>	<b>-271.51</b>	<b>-507.72</b>	<b>-385.69</b>	<b>-58.75</b>	<b>-7.12</b>	<b>-36.83</b>	<b>-55.03</b>	<b>-74.22</b>	<b>-76.22</b>	<b>-1832.24</b>
<b>I</b>	Energy injected by private developers at Kerala periphery for sale outside state through open access	-2.36	-3.77	-3.88	-3.98	-3.75	-3.41	-3.70	-3.78	-4.78	-6.00	-3.03	-6.70	-49.13
<b>J</b>	<b>Net energy available for sale inside the state (E+F+G-H-I)</b>	<b>2480.06</b>	<b>2375.64</b>	<b>2273.34</b>	<b>2141.45</b>	<b>2212.46</b>	<b>2225.99</b>	<b>2343.00</b>	<b>2250.84</b>	<b>2327.60</b>	<b>2333.24</b>	<b>2267.47</b>	<b>2746.08</b>	<b>27977.17</b>
<b>K</b>	Energy purchased by consumers through open access at consumer end	1.49	11.62	10.61	17.23	14.63	15.30	24.47	8.12	8.39	6.87	4.73	5.52	128.98
<b>L</b>	Energy adjusted against captive injection under IX.A , XA and XI .A	21.40	22.83	19.45	24.29	26.53	29.51	27.85	29.50	28.10	27.41	30.12	37.72	324.70
<b>M</b>	<b>Energy sale inside the state by KSEBL</b>	<b>2253.16</b>	<b>2104.60</b>	<b>2023.93</b>	<b>1929.68</b>	<b>1976.69</b>	<b>1990.18</b>	<b>2021.93</b>	<b>2025.20</b>	<b>2086.54</b>	<b>2096.03</b>	<b>2063.41</b>	<b>2352.15</b>	<b>24923.51</b>
<b>N</b>	Energy given to RGCCPP	0.50	0.55	0.55	0.57	0.59	0.53	0.55	0.61	0.55	0.54	0.48	0.53	6.57
<b>O</b>	Energy sale within the state including open access (K+L+M+N)	<b>2276.55</b>	<b>2139.61</b>	<b>2054.54</b>	<b>1971.78</b>	<b>2018.43</b>	<b>2035.52</b>	<b>2074.79</b>	<b>2063.43</b>	<b>2123.58</b>	<b>2130.86</b>	<b>2098.75</b>	<b>2395.92</b>	<b>25383.77</b>
<b>P</b>	<b>Loss in KSEBL system (J-M)</b>	<b>203.51</b>	<b>236.04</b>	<b>218.80</b>	<b>169.67</b>	<b>194.03</b>	<b>190.47</b>	<b>268.20</b>	<b>187.41</b>	<b>204.02</b>	<b>202.38</b>	<b>168.72</b>	<b>350.16</b>	<b>2593.40</b>
<b>Q</b>	<b>% Loss within Kerala(P/J *100)</b>	<b>8.21%</b>	<b>9.94%</b>	<b>9.62%</b>	<b>7.92%</b>	<b>8.77%</b>	<b>8.56%</b>	<b>11.45%</b>	<b>8.33%</b>	<b>8.77%</b>	<b>8.67%</b>	<b>7.44%</b>	<b>12.75%</b>	<b>9.27%</b>

NB: AS per approved Technical Particulars 2022-23

TABLE-18

## ANNUAL GENERATION FROM RENEWABLE SOURCES

Sl. No.	Stations	Installed capacity (MW)	Annual Generation in MU									
			2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
<b>I</b>	<b>Small Hydro (KSEB)</b>											
1	Kallada	15	67.55	68.99	44.81	44.36	36.56	68.38	33.45	49.89	59.88	67.44
2	Peppara	3	7.63	5.13	4.71	3.94	5.77	8.23	5.80	8.60	10.14	8.28
3	Malankara	10.5	30.38	34.15	32.43	24.74	29.49	33.25	27.96	31.43	28.07	25.71
4	Madupetty	2	5.75	3.57	4.29	3.94	2.55	1.72	3.37	4.73	7.15	4.50
5	Chembukadavu State I & II	6.45	12.42	10.95	9.04	8.64	10.65	7.52	7.11	9.35	12.83	10.69
6	Urumi State I & II	6.15	13.67	12.98	9.30	9.03	11.20	6.91	12.31	11.61	15.35	12.66
7	Malampuzha	2.5	4.96	5.19	2.03	0.63	1.95	4.51	4.15	2.50	3.95	4.92
8	Lower Meenmutty	3.5	5.62	4.74	5.56	2.48	6.08	6.33	4.83	6.17	6.69	5.77
9	Kuttiyadi Tailrace	3.75	7.96	7.92	8.05	6.35	8.00	8.44	5.98	7.89	7.47	7.98
10	Poringalkuthu LBE	16	114.03	107.45	106.43	94.37	124.73	98.04	116.40	86.44	114.60	83.48
11	Neriamangalam Extension	25	143.66	120.20	133.33	102.08	158.60	167.66	100.30	150.05	169.97	154.24
12	Poozhithode	4.8	12.10	11.33	8.62	10.44	11.78	7.56	6.70	8.12	13.06	10.53
13	Ranni Perunad	4	9.52	7.35	7.66	5.85	6.32	3.83	7.03	7.72	10.21	8.79
14	Peechi	1.25	3.29	1.92	1.43	0.40	1.78	2.46	2.41	0.46	0.00	0.87
15	Vilangad	7.5		0.45	12.75	15.77	15.56	7.83	14.43	15.09	19.21	16.16
16	Chimmony	2.5			4.59	1.55	2.09	6.65	6.40	7.89	7.90	8.48
17	Adyanpara	3.5			2.36	5.01	3.88	0.33	2.40	6.70	11.81	9.39
18	Barapole	15			0.00	19.32	42.69	1.21	20.86	28.01	48.80	43.69
19	Vellathooval	3.6				3.05	4.69	2.72	0.07	0.00	9.00	5.36
20	Poringalkuthu Micro	0.011					0.05	0.06	0.07	0.05	0.05	0.06
21	Perunthenaruvi	6					3.12	7.76	12.30	13.04	7.13	12.62
22	Kakkayam	3						2.62	7.46	9.21	8.84	10.28
23	Deviyar MHEP	0.05							0.00	0.01	0.13	0.00
24	Chathamkottunada Stage-II	6									12.73	10.61
25	Upper Kallar	2									1.45	0.16
26	Poringalkuthu New	24										103.11
<b>II</b>	<b>Small Hydro (CPP)</b>											
1	Maniyar	12	39.72	33.93	30.30	1.66	28.67	22.86	25.72	30.02	48.49	38.01
2	Kuthungal	21	42.48	45.26	49.31	14.03	37.13	62.14	44.28	54.77	69.59	74.11
<b>III</b>	<b>Small Hydro (IPP)</b>											
1	Ullunkal	7	23.62	20.80	18.26	13.10	15.03	10.75	17.39	16.25	24.93	20.91
2	Iruttukkanam	4.5	23.06	23.18	24.83	20.08	24.83	10.51	19.16	22.58	26.04	27.19
3	Kaarikkayam	15	17.18	27.17	26.99	21.93	37.14	45.78	36.46	39.29	58.67	48.33
4	Meenvallom	3		2.37	5.56	5.99	10.48	7.41	6.72	6.27	8.72	9.07
5	Kallar	0.05					0.08		0.00	0.00	0.00	0.00
6	Pampunkayam(Mankulam)	0.11								0.00	0.00	0.00
7	Pathankayam	8					11.40	0.07	0.26	18.89	21.88	18.34
8	Anakkampoil	8									23.89	24.88
9	Arippara	4.5									6.40	12.29
<b>IV</b>	<b>Wind (KSEB)</b>											
1	Kanjikode	2.025	1.80	1.06	1.38	1.71	1.41	1.33	1.22	1.14	1.26	1.21
<b>V</b>	<b>Wind (IPP)</b>											
1	Ramakalmedu	14.25	33.21	26.73	23.65	28.75	29.01	23.68	25.19	20.56	24.61	24.88

Table-18 contd..

Sl. No.	Stations	Installed capacity (MW)	Annual Generation in MU									
			2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
2	Agali+ Koundikkal	18.6	40.86	40.41	23.79	46.47	31.07	26.04	27.15	26.72	28.84	27.48
3	Ahalia Alternate Energy Ltd	8.4			0.00	17.39	21.07	18.15	19.22	18.79	17.76	16.68
4	INOX	16					12.31	38.90	38.43	37.24	32.87	34.71
5	Kosamattom	1						1.13	1.64	1.22	1.24	1.23
6	Malayal Manorama (Wind- CPP)	10.00							23.04	25.97	25.39	25.97
7	SECI Wind 200 MW (Power Purchase)	75.00								5.98	198.68	247.05
<b>VI</b>	<b>GDAM Purchase</b>										<b>2.97</b>	<b>58.53</b>
<b>VII</b>	<b>Less GDAM Sale</b>											<b>-24.18</b>
	<b>NON SOLAR- TOTAL</b>	<b>405.50</b>	<b>660.49</b>	<b>623.23</b>	<b>601.44</b>	<b>533.06</b>	<b>747.16</b>	<b>722.77</b>	<b>687.64</b>	<b>790.61</b>	<b>1208.60</b>	<b>1312.43</b>
<b>VIII</b>	<b>Solar (KSEB)</b>											
1	Kanjikode	1.000	-	-	0.811	0.870	1.133	0.822	1.512	1.106	0.710	1.361
2	Poringalkuthu Powerhouse – CoD 10.09.2015	0.050	-	-	0.036		0.060	0.060	0.059	0.062	0.057	0.058
3	Floating solar RT- Banasuragar – CoD 01/2016	0.010					0.008	0.132	0.618	0.425	0.538	0.109
4	Meencut RT NES – CoD 06/2016	0.025					0.010	0.009	0.007	0.000	0.000	0.008
5	Kothamangalam RT – CoD 07/2016	0.125					0.140	0.131	0.104	0.078	3.259	0.098
6	Moolamattom RT – CoD 06/2016	0.050					0.051	0.055	0.047	0.046	0.033	0.033
7	Thrissur RT – CoD 07/2016	0.345					0.306	0.252	0.361	0.224	0.181	0.223
8	Kollengode- IPDS	1.000					1.468	1.257	1.239	1.414	1.217	0.901
9	Padinjarethara RT - – CoD 29.08.2016	0.440					0.496	0.503	0.535	0.396	0.350	0.294
10	Moozhiyar RT – CoD 08/2016	0.125					0.540	0.121	0.113	0.098	0.080	0.104
11	Edayar Substation Premise- IPDS	1.250					1.654	1.081	2.391	1.263	1.162	0.617
12	Barapole Canal Bank	1.000					1.016	1.280	0.950	1.023	0.654	0.761
13	Barapole Canal Top	3.000					2.675	2.228	1.363	1.906	2.239	1.608
14	KDPP,Kozhikode RT – CoD 10.03.2017	0.035					0.042	0.043	0.039	0.036	0.063	0.033
15	Thalakulathoor – CoD 22.04.2017	0.650					0.881	0.926	0.973	0.958	1.189	0.914
16	Vydyuthi bhavan RT – CoD 13.06.2017	0.030					0.039	0.048	0.033	0.056	0.051	0.048
17	Manjeswaram – CoD 24.05.2017	0.500					0.647	0.808	0.737	0.531	0.565	0.802
18	Moovattupuzha – CoD 01/2018	1.250					0.394	1.549	1.565	1.635	1.533	1.354
19	Pothencode – CoD 02/2018	2.000					0.475	2.717	2.151	1.912	2.523	2.276
20	Kuttiapuram GM – CoD 28.11.2017	0.500						0.710	0.693	0.610	0.598	0.596
21	220kV S/Sn Kundara RT- IPDS- DoC 20.09.2017	0.030						0.077	0.048	0.046	0.044	0.044
22	110kV S/Sn Kanjikode RT- IPDS- DoC 12.05.2017	0.025						0.064	0.037	0.036	0.029	0.033
23	220kV S/Sn Palakkad RT- IPDS- DoC 10.07.2017	0.035						0.081	0.154	0.139	0.047	0.047
24	220kV S/Sn Edappon RT- IPDS- DoC 25.08.2017	0.030						0.072	0.253	0.044	0.042	0.041
25	220kV S/Sn Edappon RT- IPDS- DoC 21.12.2017	0.045						0.086	0.284	0.064	0.124	0.058
26	110kV S/Sn Kunnamangalam RT- IPDS- DoC 18.04.2017	0.020						0.106	0.030	0.028	0.023	0.014
27	220kV S/Sn Orkattery RT- IPDS- DoC 06.09.2017	0.035						0.080	0.054	0.053	0.050	0.018
28	220kV S/Sn Nallalam RT- IPDS- DoC 05.05.2017	0.035						0.091	0.054	0.053	0.050	0.051
29	220kV S/Sn Brahmapuram RT- IPDS- DoC 26.04.2017	0.055						0.131	0.071	0.053	0.069	0.070

Table-18 contd..

Sl. No.	Stations	Installed capacity (MW)	Annual Generation in MU										
			2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	
30	110kV S/Sn Thycattussery RT- IPDS- DoC 15.12.2016	0.020							0.093	0.210	0.026	0.023	0.022
31	220kV S/Sn Kattakkada RT- IPDS- DoC 27.09.2017	0.020							0.034	0.034	0.027	0.024	0.024
32	110kV S/Sn Paruthippara RT- IPDS- DoC 07.10.2017	0.030							0.085	0.117	0.044	0.037	0.041
33	220kV S/Sn Pothencode RT - IPDS- DoC 18.07.2017	0.035							0.532	0.338	0.041	0.051	0.033
34	66kV S/Sn GIS LA Complex RT- IPDS- DoC 03.08.2017	0.025							0.061	0.035	0.018	0.025	0.025
35	66kV S/Sn GIS Power house RT- IPDS- DoC 02.08.2017	0.025							0.060	0.034	0.041	0.038	0.034
36	66KV S/SnVeli RT- IPDS- DoC 16.02.2018	0.020							0.059	0.030	0.032	0.029	0.029
37	TMR Thirumala RT- IPDS- DoC 10.07.2017	0.035							0.083	0.047	0.049	0.033	0.044
38	VB Pathanamthita RT- IPDS- DoC 22.06.2017	0.045							0.080	0.061	0.063	0.058	0.049
39	220kV S/Sn Malaparamba RT- IPDS- DoC 11.12.2017	0.020							0.033	0.029	0.028	0.027	0.027
40	VB Manjeri RT- IPDS- DoC 20.01.2018	0.030							0.047	0.102	0.041	0.039	0.037
41	220kV S/Sn Areacode RT - IPDS- DoC 03.01.2018	0.030							0.054	0.044	0.032	0.040	0.040
42	PTRU-Kalamassery RT- IPDS- DoC 14.03.2018	0.040							0.059	0.056	0.050	0.049	0.056
43	220kV S/Sn Mylatty RT- IPDS- DoC 08.02.2018	0.030							0.053	0.054	0.044	0.189	0.047
44	220kV S/Sn Kanhirode RT- IPDS- DoC 15.02.2018	0.035							0.068	0.053	0.052	0.049	0.048
45	110kV S/Sn Viyyur RT- IPDS- DoC 12.01.2018	0.020							0.034	0.211	0.034	0.028	0.030
46	110kV S/Sn Pathanamthitta RT- IPDS- DoC 13.07.2017	0.025							0.206	0.124	0.155	0.030	0.032
47	Mini CR& Workshop Madakkathara RT- IPDS- DoC 12.01.2018	0.045							0.117	0.063	0.048	0.038	0.047
48	Main CR & Workshop Madakkathara RT- IPDS- DoC 09.07.2018	0.150							0.155	0.214	0.187	0.174	0.181
49	Ele Dvn Kollam RT- IPDS- DoC 19.03.2018	0.035							0.050	0.047	0.149	0.045	0.044
50	Ele Dvn Kundara RT- IPDS- DoC 08.12.2017	0.025							0.044	0.039	0.036	0.032	0.035
51	Vaidyuthi bhavanam Chathnnoor RT- IPDS- DoC 27.02.2018	0.025							0.034	0.035	0.035	0.034	0.020
52	VB, Kottarakkara RT- IPDS- DoC 20.02.2017	0.080							0.084	0.112	0.080	0.103	0.100
53	220kV S/Sn New pallom RT - IPDS- DoC 15.01.2017	0.020							0.064	0.030	0.127	0.028	0.026
54	220kV S/Sn Ambalamughal RT- IPDS- DoC 31.07.2017	0.020							0.041	0.026	0.025	0.024	0.024
55	Vaidyuthi bhavanam Thodupuzha-50KW COD(25.02.2017) RT- IPDS	0.050							0.120	0.204	0.064	0.033	0.045
56	Ele Sn.Beach RT- IPDS- DoC 06.10.2017	0.020							0.078	0.032	0.021	0.028	0.027
57	Vaidyuthi bhavanam Thrissur RT- IPDS- DoC 23.09.2017	0.045							0.164	0.052	0.060	3.049	0.051
58	SLDC Building RT- IPDS	0.035							0.100	0.049	0.048	0.044	0.041
59	ES Kesavadasapuram RT- IPDS- DoC 06.10.2017	0.025							0.035	0.030	0.031	0.020	0.027
60	110kV S/S Ponnani RT- DoC 16.01.2019	0.500							0.152	0.646	0.570	0.547	0.254
61	66 kV S/s Peerumedu RT- DoC 23.04.2018	0.500							0.693	0.611	0.413	0.511	0.464
62	Dam Safety Pallom GM (IPDS)- DoC 27.12.2019	0.050								0.004	0.099	0.253	0.087
63	Kottiyam GM (IPDS)- DoC 27.01.2020	0.600								0.218	0.620	0.875	0.871
64	Various IPDS projects							1.310		5.521	4.331		
65	66Kv S/s,Kuruvilangad,DOC 27.3.2019RT	0.015										0.018	0.016
66	110Kv S/s,Kozhenchery,DOC 30.3.2019RT	0.015										0.020	0.020
67	66KV S/s,Thiruvalla,DOC 30.3.2019RT	0.015										0.021	0.023
68	VB,Pathanamthitta,DOC 30.3.2019RT	0.025										0.036	0.031
69	110KV S/s,Kavanad,DOC 26.3.2019RT	0.020										0.027	0.029
70	66KV S/s,Balaramapuram,DOC 08.4.2019RT	0.015										0.019	0.020
71	66KV S/s,Neyyattinkara,DOC 26.6.2019RT	0.015										0.020	0.020
72	110KV S/s,Nedumangad,DOC 4.4.2019RT	0.015										0.020	0.018
73	66KV S/s,Vattiyoor kavu,DOC 5.4.2019RT	0.015										0.018	0.018
74	VB,Pattom 4th Floor,DOC 22.3.2019RT	0.035										0.047	0.046
75	110KV S/s,Ollur,DOC 8.3.2019RT	0.020										0.026	0.025
76	110KV S/s,Wadakkanchery,DOC 21.3.2019RT	0.015										0.052	0.016
77	110KV S/s,Ayyampuzha,COD 17.5.19RT	0.020										0.022	0.022

Table-18 contd..

Sl. No.	Stations	Installed capacity (MW)	Annual Generation in MU										
			2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	
78	66KV S/s,Angamaly,COD 18.5.19RT	0.030										0.037	0.039
79	110KV S/s,Rayonpuram,DOC 30.4.2019RT	0.015										0.020	0.020
80	110KV S/s,Myloor,DOC 22.4.2019RT	0.020										0.021	0.020
81	110KV S/s,Kadavanthra,COD 1.6.2019RT	0.025										0.038	0.034
82	110KV S/s,Kandanad,COD 3.6.2019RT	0.025										0.032	0.033
83	66KV S/s,Alappuzha,DOC 26.3.2019RT	0.015										0.020	0.021
84	110KV S/s,Mavelikkara,DOC 18.3.2019RT	0.020										0.023	0.023
85	110KV S/s,Udumbanoor,COD 11.4.19RT	0.015										0.018	0.019
86	GIS Powerhouse,TVM,DOC 2.8.2017RT	0.010										0.024	0.043
87	220KV S/s,Pothencode,DOC 27.3.2019RT	0.030										0.030	0.013
88	Banasurasagar Floating Solar, DOC 21.01.2019	0.500											0.619
89	Agali- 1 MW (CoD 22.01.2022)	1.000										0.479	1.326
90	Kanjikode-3MW (CoD 19.02.2022)	3.000										0.301	3.617
91	Brahmapuram- 2.75 MW, DOC 03.02.2023	2.750											0.530
92	GDAM Purchase											2.254	13.732
93	Bundled solar of Simhadri TPS											3.085	
<b>IX</b>	<b>Solar (IPP)</b>												
1	Cochin International Airport			11.42	10.99	33.290	37.380	45.21	46.85	47.67			
2	Anert, Kuzhalmadam	2.00			0.93	2.79	2.54	2.59	2.56	2.26		1.83	
3	Ambalathara -Solar Park	50.00			7.55	49.62	76.54	71.26	73.37	76.11		71.68	
4	Hindalco								2.29	4.58			
5	THDCIL Paivalika Solar Park	50.00							17.00	84.85		93.10	
6	RGCCPP Solar	92.00											171.75
7	CIAL Ettukada	10.00											12.43
8	Net Metered Solar Prosumer- LT	402.11				25.72	38.42	97.01	198.79	197.85		339.18	
9	Bharat Hospital	1.10								1.18		1.22	
10	Net Metered Solar Prosumer- HT & EHT *	111.45								59.33		129.43	
11	Chaliyoor Colony, Agali	0.096		0.05		0.07	0.07	0.08	0.08	0.07		0.07	
12	Solar Off Grid with Generation based incentives					0.80	2.67	1.98	0.18				
13	SOURA Solar								5.76				
	<b>Total Solar</b>	<b>742.85</b>	<b>0.00</b>	<b>0.00</b>	<b>12.32</b>	<b>20.34</b>	<b>125.63</b>	<b>176.70</b>	<b>244.12</b>	<b>368.89</b>	<b>504.70</b>	<b>856.63</b>	
	<b>Total Renewable</b>	<b>1148.35</b>	<b>660.49</b>	<b>623.23</b>	<b>613.76</b>	<b>553.41</b>	<b>872.79</b>	<b>899.47</b>	<b>931.76</b>	<b>1159.50</b>	<b>1713.30</b>	<b>2169.06</b>	

\* includes CIAL, KMRL etc. During 2022-23

Financial Year	RPO Target		RPO Achievement	
	Solar	Non-Solar	Solar	Non-Solar
2017-18	1.50%	6.00%	0.81%	4.84%
2018-19	2.75%	7.00%	1.28%	5.24%
2019-20	4.00%	8.00%	1.47%	4.10%
2020-21	5.25%	9.00%	2.61%	5.59%
2021-22	6.75%	10.25%	4.07%	9.38%
2022-23	10.50%	10.25%	5.51%	8.44%

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 generation end by open access consumers for sale outside state (MU)	Energy purchased by open access consumers at Kerala periphery (MU)	Energy Sale by KSEBL to outside State (MU)	Swap Return (MU)	Energy injected at Kerala periphery by IPPs 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 adjusted against captive injection and energy given to RGCCPP for meeting auxiliary consumption	Energy sale with in the state including sale by open access consumers (MU)	T&D loss within Kerala system		AT&C Loss (%)	Discom AT&C loss
																(MU)	(%)		
		(1)	(2)	(3)	(4)=(1)+(2)-(3)	(5)	(6)	(7)	(7a)	(8)	(9)=(4+5+6-7-7a-8)	(10)	(11)	(12)	(13)=(10+11+12)	(14)=(9-13)	15=(14/9)%	16	17
1	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%	16.50	
2	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%	16.12	
3	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%		11.32
4	2016-17	4325.08	19734.93	684.75	23375.26	45.08	435.60	49.30		43.06	23763.58	414.66	20038.25		20452.91	3310.67	13.93%		12.48
5	2017-18	5460.34	19426.74	709.51	24177.57	45.15	284.96	117.51	6.31	43.07	24340.79	269.86	20880.70		21159.19	3181.60	13.07%		11.93
6	2018-19	7577.02	18761.47	714.9	25623.59	39.17	216.60	824.78	168.02	37.40	24849.16	205.44	21536.77		21750.25	3098.91	12.47%		10.71
7	2019-20	5722.81	21128.51	744.75	26106.57	37.50	405.86	55.95	231.93	35.96	26226.09	386.52	22660.93		23058.92	3167.17	12.08%		13.15
8	2020-21	7057.90	18912.23	649.89	25320.24	38.66	407.41	261.43	334.82	37.14	25132.92	388.72	22151.60		22540.32	2592.60	10.32%		7.76
9	2021-22	9742.28	19532.72	645.05	28629.95	49.28	268.69	2094.41	106.28	44.04	26703.19	253.37	23499.59	230.46	23983.42	2719.77	10.19%		8.26
10	2022-23	8537.16	21876.93	743.63	29670.46	52.77	135.32	1813.11	19.14	49.13	27977.17	128.98	24923.51	331.27	25383.76	2593.41	9.27%		7.55

**TABLE 20**  
**SALES, REVENUE AND PER CAPITA CONSUMPTION**

Sl. No.	Year	Energy sales within the State (MU)	Total energy sales by KSEBL (Excluding SWAP) (MU)	Energy sales within the State including open access and captive adjustments (MU)	Revenue from sale of electricity (Rs. Crore)	Per capita consumption (kWh)
1	2013-14	17454.05	18868.65	17470.86	9974.18	516
2	2014-15	18426.27	18784.36	18430.73	9879.34	541
3	2015-16	19325.07	19378.55	19460.32	10487.71	569
4	2016-17	20038.25	20087.55	20452.91	11035.88	592
5	2017-18	20880.70	20998.21	21159.19	12057.27	613
6	2018-19	21536.77	22361.55	21750.25	13053.08	626
7	2019-20	22660.93	22716.88	23058.92	14056.75	651
8	2020-21	22151.60	22413.03	22540.32	13806.20	631*
9	2021-22	23499.59	25594.00	23983.42	15664.92	676
10	2022-23	24923.51	26736.62	25383.77#	17705.46	682

\* Dip in Per Capita Consumption during 2020-21 due to the impact of Covid-19 pandemic

\*\* Revenue excluding meter rent, wheeling charges etc.

# Consumption including energy adjustments against captive injection



TABLE 21

## ALLOCATION FROM CENTRAL GENERATING STATIONS TO KERALA

Name of ISGS		NTPC										NLC				NLC			
		Ramagundam Stage I&II		Ramagundam Stage III		Talcher Stage II		Simhadri Stage II		Kudgi		NLC TPS-II Stage I		NLC TPS-II Stage II		NLC TPS-I Expn.		NLC TPS-II Expn.	
Installed Capacity (MW)		2100		500		2000		1000		2400		630		840		420		500	
Revised firm allocation w.e.f 01.03.2023 (% and MW)		11.67	245.07	12.20	61.00	12.35	247.00	8.09	80.90	4.38	105.00	10.86	68.43	11.39	95.69	14.00	58.80	14.00	70.00
Total allocation (firm + unallocated)																			
Period	Time Slot	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)
w.e.f 30.03.2022	18.00-22.00	11.69	245.49	12.22	61.1	21.35	427.2	9.1	91	5.01	120.24	10.02	63.126	10.73	90.132	16.4	68.88	16.4	82
	02.00-06.00	11.67	245.07	12.2	61	21.35	427	9.1	91	5.01	120.24	10	63	10.72	90.048	16.4	68.88	16.4	82
	Rest of the day	11.67	245.07	12.2	61	21.35	427	9.08	90.8	5	120	10	63	10.71	89.964	16.35	68.67	16.35	81.75
w.e.f 01.10.2022	00.00-24.00	11.98	251.58	12.52	62.60	21.47	429.40	8.24	82.40	4.71	113.04	10.25	64.58	10.96	92.06	14.40	60.48	14.40	72.00
w.e.f 01.11.2022	00.00-24.00	12.10	254.10	12.64	63.20	21.52	430.40	8.30	83.00	4.81	115.44	10.34	65.14	11.05	92.82	14.53	61.03	14.53	72.65
w.e.f. 01.03.2023	00.00-24.00	12.10	254.00	12.64	63.18	21.52	430.41	8.30	82.96	4.81	115.48	11.23	65.15	11.75	92.83	14.53	61.04	14.53	72.67

Name of ISGS		NTECL		NTPL		NNTPP		NPCL										Total Allocation from SR
		Vallur		Tutucorin				MAPS		Kaiga 1&2		Kaiga 3&4		Koodankulam U1		Koodankulam U2		
Installed Capacity (MW)		1500		1000		1000		440		440		440		1000		1000		
Revised firm allocation w.e.f 01.03.2023 (% and MW)		3.33	49.90	7.25	72.50	3.47	34.66	5.23	23.00	8.64	38.00	7.95	35.00	13.30	133.00	13.30	133.00	1550.95
Total allocation (firm + unallocated)																		
Period	Time Slot	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(%)	(MW)	(MW)
w.e.f 30.03.2022	18.00-22.00	3.34	50.1	7.27	72.7	3.24	32.4	5.24	23.056	8.86	38.984	7.98	35.112	14.06	140.6	13.3	133	1775.12
	02.00-06.00	3.33	49.95	7.25	72.5	3.24	32.4	5.23	23.012	8.64	38.016	7.96	35.024	14.06	140.6	13.3	133	1772.74
	Rest of the day	3.33	49.95	7.25	72.5	3.24	32.4	5.23	23.012	8.64	38.016	7.95	34.98	14.05	140.5	13.3	133	1771.61
w.e.f 01.10.2022	00.00-24.00	3.53	52.95	7.56	75.60	3.26	32.60	5.44	23.94	10.10	44.44	9.30	40.92	14.06	140.60	13.30	133.00	1772.19
w.e.f 01.11.2022	00.00-24.00	3.59	53.85	7.67	76.70	3.26	32.60	5.37	23.63	9.17	40.35	8.49	37.36	13.48	134.80	13.30	133.00	1770.07
w.e.f. 01.03.2023	00.00-24.00	3.59	53.91	7.67	76.72	3.49	32.63	5.37	23.64	9.17	40.35	8.49	37.35	13.48	134.78	13.30	133.00	1770.10

<b>TABLE 22</b>			
<b>CONSUMERS AND CONNECTED LOAD</b>			
<b>Sl. No</b>	<b>Year</b>	<b>No. of Consumers at the end of the year</b>	<b>Connected Load at the end of the year (MW)</b>
1	2013-14	1,11,92,890	19,684
2	2014-15	1,14,30,895	20,392
3	2015-16	1,16,68,031	20,981
4	2016-17	1,19,94,816	22,041
5	2017-18	1,22,76,321	23,352
6	2018-19	1,25,52,206	24,940
7	2019-20	1,28,26,185	26,843
8	2020-21	1,31,42,910	28,302
9	2021-22	1,34,22,642	29,791
10	2022-23	1,36,48,851	31,386

TABLE 23

## TRANSMISSION AND DISTRIBUTION LINES-ABSTRACT

Sl.No.	Year	in Circuit km						in km		
		400kV/ 320 kV	320 kV	220 kV	110 kV	66 kV	33 kV	22 kV	11 kV	LT
1	2013-14			2765.00	4260.27	2202.81	1719.28	160.59	53,579	2,64,117
2	2014-15			2801.20	4299.67	2202.81	1761.57	160.59	55,386	2,68,753
3	2015-16			2801.88	4345.52	2220.56	1826.66	160.59	57,489	2,78,574
4	2016-17			2801.88	4460.75	2154.75	1902.43	160.59	59,335	2,83,811
5	2017-18			2856.88	4521.50	2151.12	1943.51	160.59	60,892	2,86,784
6	2018-19#	855.96*		2952.34	4745.08	2145.33	1957.43	147.21	60,867	2,89,804
7	2019-20	1244.56**		2952.66	4797.75	2000.75	2057.49	151	62,600	2,93,280
8	2020-21	1329.58**		3141.40	5030.86	2004.79	2108.00	151	64,389	2,95,921
9	2021-22	1465.31**		3485.67##	5385.43	1572.11	2335.66	151	66,486	2,99,538
10	2022-23	1332.586	132.727*	3613.30##	5460.85	1542.232	2349.41	152.58	67,767	3,02,626

\* PGCIL owned lines

\*\* In 2019-20, 92 ckt km is KSEBL owned, in 2020-21 & 2021-22, 177.03 ckt km is KSEBL owned, rest PGCIL owned. 2022-23 figure includes only 400 kV (1155.56 PGCIL owned, 177.03 KSEBL owned)

# 2018-19 22 kv, 11 kv & LT line details as per SCM

## including PGCIL owned lines

**TABLE 24**  
**PUMPSETS, STREET LIGHTS AND DISTRIBUTION TRANSFORMERS**

Sl. No	Year	No. of Pumpsets energised	No. of Street lights installed	No. of Distribution transformers
1	2013-14	4,78,449	12,97,480	67,546
2	2014-15	4,90,056	13,49,101	71,195
3	2015-16	5,00,082	14,07,024	73,460
4	2016-17	5,12,339	14,12,689	75,580
5	2017-18	5,25,367	14,17,639	77,724
6	2018-19	5,38,918	14,22,764	79,876
7	2019-20	5,52,858	14,47,820	81,470
8	2020-21	4,95,432	14,76,776	83,465
9	2021-22	5,13,406	23,01,556*	85,594
10	2022-23	5,30,119	23,51,628	87,584

\* As per street light survey conducted during 2022 for NILAAVU Project

**TABLE 25**  
**CONSUMERS AND CONNECTED LOAD - CATEGORY WISE**

(Connected load in MW)

Sl.No	Category	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	<b>Domestic LT</b>										
	No. of Consumers	87,88,916	89,87,947	91,24,747	9384957	9562253	9705347	9881528	10076070	10246803	10376078
	Connected Load	12,428.24	12,916.83	13349.76	14206.25	15136.02	16250.73	17681.27	18761.41	19,852.02	20,942.79
2	<b>Commercial LT*</b>										
	No. of Consumers	17,95,160	18,32,048	19,23,402	1994916	2081567	2196919	2280912	2370483	2456003	2536214
	Connected Load	3,109.57	3,393.70	3309.08	3492.07	3683.98	4027.78	4373.65	4604.43	4880.05	5199.66
3	<b>Industrial LT</b>										
	No. of Consumers	1,37,744	1,42,001	1,36,693	141683	136964	138834	140205	143013	145491	146586
	Connected Load	1,620.52	1656.73	1647.07	1688.59	1698.11	1736.48	1767.87	1817.47	1871.36	1914.09
4	<b>HT &amp; EHT</b>										
	No. of Consumers	4,256	3,475	5,005	5335	5620	5911	6266	6501	6847	7234
	Connected Load	1316.68	1182.90	1445.81	1436.42	1581.58	1639.06	1706.90	1747.93	1813.10	1894.40
5	<b>Public lighting</b>										
	No. of Consumers	3,789	4,072	4,281	20350	27131	34653	40950	50794	57194	64375
	Connected Load	110.99	118.55	124.13	140.95	149.79	157.34	158.93	164.59	168.52	208.98
6	<b>Agricultural LT</b>										
	No. of Consumers	4,63,006	4,61,333	4,73,882	447551	462763	470517	476297	496022	510277	518337
	Connected Load	952.77	949.82	950.19	874.17	915.15	934.74	948.79	979.65	1004.09	1018.02
7	<b>Licensees</b>										
	No. of Consumers	11	11	12	12	11	11	11	11	11	11
	Connected Load	79.13	106.75	88.99	111.17	95.15	96.19	99.41	122.24	98.30	102.84
8	<b>Railway Traction**</b>										
	No. of Consumers	8	8	9	12	12	14	16	16	16	16
	Connected Load	66.25	66.25	65.79	91	92.25	97.65	106.65	104.49	103.59	105.39
9	<b>Total</b>										
	No. of Consumers	<b>1,11,92,890</b>	<b>1,14,30,895</b>	<b>1,16,68,031</b>	<b>1,19,94,816</b>	<b>1,22,76,321</b>	<b>1,25,52,206</b>	<b>1,28,26,185</b>	<b>1,31,42,910</b>	<b>1,34,22,642</b>	<b>1,36,48,851</b>
	Connected Load	<b>19,684</b>	<b>20,392</b>	<b>20,981</b>	<b>22,041</b>	<b>23,352</b>	<b>24,940</b>	<b>26,843</b>	<b>28,302</b>	<b>29,791</b>	<b>31,386</b>

NB: \* Commercial LT includes General LT VI & from 2019-20 onwards it also includes LT X Electric Vehicle Charging Stations

**TABLE 26**  
**SALES AND REVENUE - CATEGORY WISE**

(Sales in MU, Revenue in Rs. Crore)

Sl. No	Category	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	<b>Domestic LT</b>										
	A. Sales	8739.52	9367.26	9943.5	10280.74	10574.84	10864.35	11898.13	12699.64	12679.39	12381.03
	B. Revenue	2699.20	3176.56	3744.1	3953.34	4316.99	4621.04	5262.8	6206.67	5999	6104.22
2	<b>Commercial LT*</b>										
	A. Sales	2229.33	2418.28	2735.36	2957.96	3063.48	3221.43	3426.37	2982.47	3309.95	4061.72
	B. Revenue	2102.15	2172.38	2448.5	2709.05	2876.69	3062.80	3394.22	2929.97	3316.84	4087.23
3	<b>Industrial LT</b>										
	A. Sales	1096.57	1096.93	1103.23	1131.906	1112.33	1111.67	1085.16	1086.67	1165.21	1262.01
	B. Revenue	682.52	704.89	746.63	754.72	809.19	792.76	837.7	801.41	878.89	963.34
4	<b>HT &amp; EHT</b>										
	A. Sales	4035.48	4139.71	4106	4128.21	4535.98	4723.73	4615.88	3955.32	4771.54	5492.53
	B. Revenue	2576.37	2581.31	2816.9	2854.08	3225.46	3422.07	3678.79	3045.07	3623.81	4390.91
5	<b>Public Lighting</b>										
	A. Sales	319.06	346.43	366.62	375.76	373.48	377.78	365.86	376.94	362.83	362.3
	B. Revenue	118.99	137.81	156.36	156.64	169.86	172.77	175.59	179.53	175.27	182.4
6	<b>Agricultural LT</b>										
	A. Sales	310.25	298.28	279.48	321.98	346.03	337.65	348.48	403.24	374.09	382.46
	B. Revenue	56.57	60.44	65.62	102.01	63.29	86.78	97.6	114.54	109.52	117.8
7	<b>Licencees</b>										
	A. Sales	523.15	554.06	578.08	612.1	608.77	597.04	615.73	496.37	506.91	579.13
	B. Revenue	293.64	313.29	347.04	363.25	384.59	369.13	396.74	322.68	336.76	419.98
8	<b>Railway Traction**</b>										
	A. Sales	200.69	205.31	212.83	229.58	265.8	303.13	305.21	150.94	329.66	402.33
	B. Revenue	107.77	113.1	120.86	130.52	160.02	186.38	194.2	101.7	200.52	267.65
9	<b>Export</b>										
	A. Sales	1414.60	358.09	53.48	49.3	117.51	824.78	55.95	261.43	2094.41	1813.11
	B. Revenue	1336.98	619.56	41.7	12.27	51.18	339.35	19.11	104.63	1024.31	1171.93
10	<b>Total</b>										
	<b>A. Sales</b>	<b>18868.65</b>	<b>18784.35</b>	<b>19378.58</b>	<b>20087.54</b>	<b>20998.22</b>	<b>22361.56</b>	<b>22716.77</b>	<b>22413.02</b>	<b>25593.99</b>	<b>26736.62</b>
	<b>B. Revenue</b>	<b>9974.18</b>	<b>9879.34</b>	<b>10487.71</b>	<b>11035.88</b>	<b>12057.27</b>	<b>13053.08</b>	<b>14056.75</b>	<b>13806.20</b>	<b>15664.92</b>	<b>17705.46</b>

\* Commercial LT includes General LT VI &amp; from 2019-20 onwards LT X Electric Vehicle Charging Stations

\*\* Railway Traction includes KMRL also

**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.	Others	Total
		BE	RE	BE	RE	BE	RE	BE	RE	BE	RE					
1	2013-14	419.45	256.48	293.00	192.47	800.00	700.00	9.00	9.00	<b>1,521.45</b>	<b>1,157.95</b>	229.82	191.12	566.33	0	<b>987.27</b>
2	2014-15	332.00	338.85	241.00	225.00	700.00	550.00	27.00	15.35	<b>1,300.00</b>	<b>1,129.20</b>	293.86	224.15	643.73	6.35	<b>1,168.09</b>
3	2015-16	385.65	383.30	240.00	185.00	710.00	615.00	17.35	21.70	<b>1,353.00</b>	<b>1,205.00</b>	183.98	328.14	741.53	7.21	<b>1,260.86</b>
4	2016-17	390.00	291.50	260.00	310.00	705.00	725.00	25.00	18.50	<b>1,380.00</b>	<b>1,345.00</b>	341.93	374.81	810.09	12.33	<b>1,539.16</b>
5	2017-18	371.00	455.13	360.00	430.00	750.00	1,203.04	19.00	41.60	<b>1,500.00</b>	<b>2,129.77</b>	286.71	443.74	898.11	23.56	<b>1,652.12</b>
6	2018-19	720.43	654.76	1794.23	883.16	1079.56	1393.9	45.43	125.50	<b>3,639.65</b>	<b>3,057.32</b>	303.31	502.35	810.18	18.63	<b>1,634.47</b>
7	2019-20	897.07	612.1	1926.86	1539.98	1947.05	1838.21	86.11	140.96	<b>4,857.09</b>	<b>4,131.25</b>	389.96	847.23	1132.67	13.61	<b>2,383.47</b>
8	2020-21	912.58	692.51	1594.54	1425.6	1745.71	2099.13	225.50	208.58	<b>4,478.33</b>	<b>4,425.82</b>	296.14	967.88	1074.9	21.21	<b>2,360.13</b>
9	2021-22	893.15	606.27	1537	1068.5	1646	1405	232.64	412.8	<b>4308.79</b>	<b>3492.57</b>	483.28	1024.19	1619.44	11.84	<b>3138.75</b>
10	2022-23	566.99	658.54	1114.16	1155.68	1583.5	1718.61	809.89	550.31	<b>4074.54</b>	<b>4083.14</b>	329.99	1032.73	1461.86	115.67	<b>2940.25</b>

**TABLE 28****AVERAGE REALISATION - CATEGORY WISE#***(All figures in Ps./kWh)*

Sl. No	Year	Domestic	Commercial LT	Industrial LT (incl. PWW)	HT & EHT	Public Lighting	Agriculture LT	Licensee	Export	Traction	Overall #
1	2013-14	308.85	942.95	622.41	638.43	372.95	182.34	561.29	945.13	536.99	528.61
2	2014-15	339.11	898.32	642.60	623.55	397.80	202.63	565.44	1730.18	550.87	525.93
3	2015-16	376.54	895.13	676.77	686.04	426.49	234.79	600.33	779.73	567.87	541.20
4	2016-17	384.54	915.85	666.77	691.36	416.86	316.82	593.45	248.88	568.52	549.39
5	2017-18	408.23	939.03	727.47	711.08	454.80	182.90	631.75	435.54	602.03	574.20
6	2018-19	425.34	950.76	713.13	724.44	457.33	257.01	618.27	411.44	614.85	583.73
7	2019-20	442.32	990.62	771.96	796.99	479.94	280.07	644.34	341.55	636.28	618.78
8	2020-21	488.73	982.40	737.49	769.87	476.28	284.05	650.08	400.22	673.78	615.99
9	2021-22	473.13	1002.08	754.28	759.46	483.06	292.76	664.34	489.07	608.26	612.05
10	2022-23	493.03	1006.28	763.34	799.43	503.45	308.01	725.19	646.36	665.25	662.22

# Revenue from tariff

PWW - Public Water Works



**TABLE 29**  
**AVERAGE ENERGY SALES AND REVENUE PER CONSUMER**

(Sales in kWh, Revenue in Rs.)

Sl. No	Year	Particulars	Domestic	Commercial LT **	Industrial LT (incl. PWW)	HT & EHT	Agriculture LT	Public Lighting	Bulk Supply	Traction***
1	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	1,795	49,550	60,53,505	1,222	3,14,048	26,69,44,500	13,47,10,698
2	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
3	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
4	2016-17	a. Sales/Consumer	1,095	1,054	7,989	7,73,798	719	18,465	5,10,08,333	1,91,31,667
		b. Revenue/Consumer	4,212	19,817	53,268	53,49,728	2,279	76,973	30,27,08,333	10,87,66,667
5	2017-18	a. Sales/Consumer	1,106	1,472	8,121	8,07,114	748	13,766	5,53,42,727	2,21,50,000
		b. Revenue/Consumer	4,515	13,820	59,080	57,39,253	1,368	62,607	34,96,27,273	13,33,50,000
6	2018-19	a. Sales/Consumer	1,119	1,466	8,007	7,99,142	718	10,902	5,42,76,364	2,16,52,143
		b. Revenue/Consumer	4,761	13,941	57,101	79,91,423	1,844	49,857	33,55,72,727	13,31,28,571
7	2019-20	a. Sales/Consumer	1,204	1,502	7,740	7,36,655	732	8,934	5,59,75,455	1,90,75,625
		b. Revenue/Consumer	5,326	14,881	59,748	58,71,034	2,049	42,879	36,06,72,727	12,13,75,000
8	2020-21	a. Sales/Consumer	1,260	1,258	7,598	6,08,417	813	7,421	4,51,24,545	94,33,750
		b. Revenue/Consumer	6,160	12,360	56,038	46,84,002	2,309	35,345	29,33,45,455	6,35,62,500
9	2021-22	a. Sales/Consumer	1,237	1,348	8,009	6,96,880	733	6,344	4,60,82,727	2,06,03,750
		b. Revenue/Consumer	5,855	13,505	60,409	52,92,551	2,146	30,645	30,61,45,455	12,53,25,000
10	2022-23	a. Sales/Consumer	1,193	1,601	8,609	7,59,267	738	5,628	5,26,48,182	2,51,45,625
		b. Revenue/Consumer	5,883	16,115	65,718	60,69,823	2,273	28,334	38,18,00,000	16,72,81,250

PWW - Public Water Works

\*\* Commercial LT includes General LT VI and from 2019-20 onwards it includes LT X Electric Vehicle Charging Stations

\*\*\* Railway Traction includes KMRL also

**TABLE 30**  
**DEMAND AND CONSUMPTION**

Day	04/22						05/22						06/22					
	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)
Day 1	4057	3406	3214	88.93	91.34	4057	3823	3208	2752	78.79	85.87	3822.95	3754	2928	2590	77.53	86.05	3753.96
Day 2	3974	3262	3066	85.68	89.84	3974	3982	3069	2960	83.06	86.91	3982.09	3794	2985	2612	77.07	84.64	3793.99
Day 3	3826	3117	2823	78.23	85.19	3826	4128	3291	2909	83.49	84.27	4127.69	3809	3033	2656	79.23	86.68	3808.63
Day 4	4122	3137	2999	84.98	85.90	4122	4095	3147	3020	84.32	85.80	4095.08	3857	2935	2722	80.19	86.64	3856.56
Day 5	3977	3242	3145	86.12	90.22	3977	4182	2968	2879	83.41	83.10	4182.09	3632	2896	2632	74.58	85.56	3631.76
Day 6	3443	3216	2668	80.47	97.38	3443	3979	3266	3116	85.45	89.48	3978.77	3981	3065	2659	79.65	83.36	3981.10
Day 7	3966	2938	2750	80.97	85.07	3966	4169	3144	2997	85.03	84.99	4168.93	3804	3112	2774	78.84	86.36	3804.28
Day 8	3217	3069	2647	79.10	102.46	3217	4073	3032	2690	77.90	79.70	4072.65	3839	3050	2711	78.63	85.33	3839.28
Day 9	3233	2866	2653	73.66	94.93	3233	4031	3082	2912	84.36	87.21	4030.62	3989	3066	2748	79.75	83.29	3989.38
Day 10	3497	2682	2444	69.63	82.95	3497	3879	3015	2909	80.85	86.84	3879.19	3867	3136	2494	79.53	85.69	3866.88
Day 11	3585	3017	2726	78.67	91.43	3585	3625	2900	2472	75.23	86.46	3625.27	3714	2923	2680	76.79	86.14	3714.40
Day 12	3668	3018	2738	78.08	88.70	3668	3554	2867	2533	73.70	86.41	3553.80	3248	2803	2534	69.23	88.82	3247.79
Day 13	3612	2987	2748	76.58	88.34	3612	3697	2832	2424	73.51	82.84	3697.01	3826	2837	2426	75.01	81.68	3826.40
Day 14	3531	2804	2539	72.71	85.79	3531	3475	2765	2511	72.55	87.00	3474.66	3785	2953	2588	77.37	85.17	3785.24
Day 15	3546	2788	2445	69.75	81.97	3546	3203	2493	2229	63.51	82.61	3203.43	3590	3044	2705	76.43	88.70	3590.40
Day 16	3937	2918	2800	80.31	84.99	3937	3573	2806	2368	71.16	82.98	3573.00	3678	2974	2540	75.39	85.40	3678.42
Day 17	3612	3093	2754	76.26	87.96	3612	3585	2850	2377	72.18	83.90	3584.66	3624	2952	2499	75.81	87.16	3623.84
Day 18	3968	2982	2888	82.79	86.94	3968	3496	2810	2352	70.41	83.91	3496.16	3613	2898	2527	75.32	86.87	3612.50
Day 19	4046	3138	2963	84.21	86.73	4046	3493	2646	2160	67.71	80.76	3493.28	3423	2669	2429	69.16	84.18	3423.06
Day 20	4225	3180	3138	87.65	86.44	4225	3537	2716	2189	69.81	82.25	3536.53	3703	2988	2481	76.17	85.72	3752.68
Day 21	4132	3402	3257	89.75	90.50	4132	3555	2653	2279	71.13	83.37	3554.78	3605	2923	2513	75.24	86.96	3604.90
Day 22	3887	3334	3194	87.08	93.34	3887	3191	2636	2366	65.56	85.61	3190.98	3670	2906	2455	74.92	85.05	3790.46
Day 23	3564	3169	3067	81.03	94.73	3564	3705	2792	2307	72.97	82.06	3705.13	3654	2969	2520	75.61	86.22	3698.90
Day 24	3803	2958	2624	75.45	82.67	3803	3796	2836	2520	76.25	83.69	3796.05	3647	2833	2498	74.38	84.98	3736.52
Day 25	4289	3126	2989	86.51	84.03	4289	3900	2943	2677	79.04	84.46	3939.53	3507	2664	2062	71.55	85.02	3506.60
Day 26	4335	3347	3216	90.38	86.87	4581	3704	2901	2623	77.62	87.31	3704.25	3368	2571	2254	67.88	83.98	3367.78
Day 27	4385	3377	3264	92.04	87.45	4679	3729	2898	2608	77.45	86.54	3728.73	3638	2857	2404	75.24	86.18	3637.81
Day 28	4281	3570	3377	92.88	90.40	4576	3678	2871	2687	76.39	86.53	3678.26	3353	2912	2455	72.62	90.24	3353.08
Day 29	4116	3472	3307	90.83	91.94	4248	3437	2737	2485	70.51	85.49	3436.62	3492	2822	2335	71.56	85.39	3491.77
Day 30	4324	3176	3010	87.15	83.98	4328	3838	2877	2612	78.03	84.71	3838.01	3239	2758	2227	68.53	88.16	3239.15
Day 31							3812	2922	2704	78.88	86.22	3811.66						

Table 30 contd..

**TABLE 30**  
**DEMAND AND CONSUMPTION**

Day	07/22						08/22						09/22					
	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)
Day 1	3378	2717	2122	68.04	83.93	3377.80	3310	2880	2410	70.64	88.92	3310.36	3483	2837	2294	71.51	85.56	3482.53
Day 2	3358	2661	2159	69.24	85.91	3358.34	3236	2637	2118	67.20	86.51	3236.45	3540	2860	2278	71.78	84.49	3539.98
Day 3	2699	2445	2117	61.11	94.35	2698.86	3244	2654	2029	67.07	86.14	3244.19	3558	2773	2368	73.72	86.33	3558.32
Day 4	3328	2445	1898	64.76	81.10	3327.51	3178	2698	2005	65.71	86.17	3177.74	3370	2657	2393	69.95	86.50	3369.72
Day 5	3211	2643	2046	66.19	85.89	3211.00	3221	2565	1947	65.04	84.13	3221.04	3449	2784	2491	74.24	89.70	3448.76
Day 6	3226	2632	1989	66.35	85.69	3226.47	3280	2517	1980	66.12	84.00	3280.08	3199	2752	2368	71.00	92.47	3309.34
Day 7	3230	2701	2078	66.58	85.88	3230.13	2997	2377	2080	61.84	85.97	2996.87	3216	2643	2257	67.94	88.01	3216.48
Day 8	3150	2619	1946	66.38	87.81	3150.02	3379	2613	2045	67.95	83.78	3379.46	2818	2457	2030	60.87	90.00	2817.80
Day 9	3139	2468	2030	65.14	86.45	3139.44	3444	2627	2209	70.58	85.38	3444.38	3114	2400	2050	65.08	87.07	3114.25
Day 10	2897	2517	1994	59.94	86.20	2897.44	3552	2804	2297	72.33	84.84	3552.14	3183	2472	2160	66.62	87.20	3183.04
Day 11	3305	2496	1889	65.45	82.52	3304.76	3613	2834	2349	72.98	84.16	3613.29	3174	2450	2140	64.87	85.15	3174.38
Day 12	3412	2729	2118	69.41	84.76	3412.16	3607	2805	2376	74.18	85.69	3606.91	3577	2819	2277	72.65	84.63	3576.73
Day 13	3326	2699	2179	67.90	85.05	3326.16	3580	2783	2527	74.71	86.96	3579.60	3604	2871	2385	74.12	85.70	3603.52
Day 14	3383	2624	2166	67.11	82.65	3382.88	3267	2660	2300	68.42	87.27	3266.50	3667	2916	2437	75.17	85.42	3666.89
Day 15	3386	2578	2078	67.61	83.19	3386.49	3478	2734	2367	70.54	84.52	3477.80	3707	2961	2482	75.94	85.36	3706.78
Day 16	3305	2599	2173	68.41	86.24	3305.14	3807	2906	2502	76.32	83.52	3807.44	3697	2957	2460	76.53	86.25	3697.14
Day 17	3052	2454	2132	62.94	85.91	3052.32	3784	3058	2659	78.96	86.95	3783.82	3716	2865	2591	76.53	85.81	3716.18
Day 18	3232	2613	2090	66.98	86.35	3231.99	3739	2987	2678	79.65	88.76	3739.24	3432	2683	2392	70.89	86.06	3432.28
Day 19	3440	2736	2099	68.73	83.25	3440.12	3800	3111	2710	79.16	86.79	3800.22	3767	2950	2544	77.62	85.86	3767.20
Day 20	3399	2821	2231	70.80	86.80	3398.57	3748	3072	2696	78.64	87.42	3748.16	3738	3018	2651	78.21	87.19	3737.82
Day 21	3513	2757	2233	71.36	84.62	3513.32	3378	2801	2447	71.09	87.69	3378.04	3771	2863	2631	78.34	86.55	3771.48
Day 22	3407	2857	2387	72.55	88.72	3407.18	3430	2892	2491	72.88	88.54	3429.62	3850	3060	2679	78.80	85.28	3849.90
Day 23	3440	2760	2338	70.97	85.97	3439.72	3352	2835	2234	71.14	88.43	3351.96	3663	2803	2638	75.46	85.84	3662.82
Day 24	3217	2497	2199	65.04	84.24	3217.10	3424	2825	2202	70.35	85.61	3424.02	3797	2977	2676	77.72	85.29	3796.88
Day 25	3615	2844	2304	72.96	84.09	3615.43	3473	2819	2208	70.99	85.18	3472.66	3511	2818	2361	71.72	85.11	3511.14
Day 26	3532	2919	2487	74.07	87.37	3532.33	3510	2908	2301	72.01	85.49	3509.70	3820	3014	2637	78.22	85.33	3819.76
Day 27	3565	2905	2491	73.73	86.16	3565.29	3390	2782	2340	70.92	87.16	3390.49	3815	3058	2691	79.06	86.34	3815.48
Day 28	3530	2754	2423	74.14	87.51	3529.87	3217	2506	2153	65.36	84.66	3216.99	3863	3099	2686	79.33	85.56	3863.32
Day 29	3662	2949	2500	75.88	86.35	3661.69	3532	2833	2277	72.12	85.09	3531.62	3867	3091	2745	79.61	85.78	3867.14
Day 30	3549	2924	2597	75.81	89.00	3549.01	3461	2934	2354	72.23	86.95	3461.39	3830	3086	2685	79.09	86.04	3830.24
Day 31	3275	2705	2425	68.95	87.71	3275.37	3425	2860	2261	71.51	86.99	3425.23						

Table 30 contd..

**TABLE 30**  
**DEMAND AND CONSUMPTION**

Day	10/22						11/22						12/22					
	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)
Day 1	3673	2967	2636	76.43	86.71	3672.58	3862	3139	2556	76.50	82.53	3862.31	3943	3102	2600	76.84	81.20	3943.14
Day 2	3263	2765	2435	68.24	87.13	3263.25	3642	3074	2595	76.68	87.71	3642.43	3835	3176	2637	78.24	85.00	3835.34
Day 3	3715	2862	2395	74.55	83.63	3714.53	3783	2998	2515	75.29	82.94	3782.63	3808	3096	2633	78.27	85.65	3807.65
Day 4	3600	2860	2582	73.58	85.17	3599.83	3625	3058	2592	75.74	87.06	3624.75	3340	2860	2594	70.37	87.79	3339.92
Day 5	3635	2945	2589	75.16	86.15	3635.12	3626	2951	2521	74.71	85.85	3626.18	3873	3078	2470	75.97	81.74	3872.52
Day 6	3755	3005	2582	76.52	84.91	3755.27	3262	2734	2417	67.00	85.59	3261.52	3878	3134	2658	77.60	83.37	3878.42
Day 7	3660	3107	2569	75.11	85.50	3660.42	3794	2920	2392	74.15	81.43	3794.12	3806	3151	2637	77.49	84.82	3806.39
Day 8	3716	2870	2514	74.79	83.87	3715.90	3768	3070	2606	75.79	83.81	3768.16	3772	3134	2580	75.76	83.68	3852.26
Day 9	3363	2801	2456	69.22	85.76	3363.02	3934	3078	2553	77.14	81.71	3933.97	3646	3126	2553	74.00	84.57	3645.70
Day 10	3801	2990	2510	75.56	82.83	3800.91	3883	3086	2579	77.89	83.59	3882.64	3490	2843	2344	70.96	84.73	3489.51
Day 11	3882	3093	2661	77.83	83.53	3882.13	3631	3142	2707	76.03	87.25	3630.96	3152	2634	2292	63.81	84.34	3152.48
Day 12	3875	3103	2672	78.04	83.90	3875.40	3616	2857	2469	72.64	83.70	3616.21	3500	2895	2134	68.31	81.31	3500.43
Day 13	3869	3074	2663	77.53	83.49	3868.99	3323	2727	2422	67.20	84.26	3323.01	3661	2930	2272	70.48	80.21	3661.14
Day 14	3834	3067	2633	77.49	84.22	3833.82	3630	2965	2421	73.23	84.06	3630.11	3465	2983	2373	71.31	85.75	3464.89
Day 15	3774	2977	2701	77.83	85.92	3774.36	3771	3036	2478	74.99	82.86	3810.87	3698	2945	2350	71.36	80.40	3697.87
Day 16	3461	2741	2450	70.50	84.88	3461.16	3862	3037	2567	76.27	82.28	3912.41	3663	2967	2366	70.81	80.55	3662.98
Day 17	3701	3084	2555	75.42	84.92	3700.62	3846	3097	2611	76.84	83.26	3975.69	3680	2880	2424	72.55	82.14	3680.04
Day 18	3663	2947	2465	74.53	84.77	3663.18	3775	3114	2587	75.96	83.83	3775.27	3480	2663	2338	66.92	80.12	3480.16
Day 19	3703	3015	2494	74.69	84.05	3742.98	3627	2947	2517	73.94	84.94	3627.07	3744	3015	2420	73.92	82.27	3743.73
Day 20	3682	3015	2531	75.04	84.91	3682.34	3396	2750	2456	67.63	82.98	3395.73	3822	3041	2510	76.34	83.22	3952.19
Day 21	3657	3053	2500	74.57	84.96	3657.23	3820	2985	2394	73.52	80.19	3900.33	3953	3124	2631	78.23	82.46	3952.66
Day 22	3732	2863	2505	74.41	83.08	3731.72	3746	3054	2533	74.65	83.03	3746.24	3840	3101	2593	77.08	83.64	3940.12
Day 23	3409	2736	2420	69.27	84.66	3408.98	3774	3056	2458	74.38	82.12	3774.28	3802	3063	2547	75.77	83.03	3802.44
Day 24	3567	2808	2476	71.93	84.02	3567.09	3807	3034	2501	74.77	81.83	3807.01	3724	2946	2560	74.18	82.99	3724.36
Day 25	3874	2918	2445	75.62	81.33	3874.02	3866	3040	2553	76.12	82.04	3866.34	3359	2699	2390	67.14	83.28	3359.47
Day 26	3901	2975	2589	76.89	82.12	3900.92	3837	3016	2623	76.74	83.33	3837.34	3820	2915	2470	76.29	83.22	3819.55
Day 27	3923	3071	2661	77.91	82.75	3922.63	3297	2830	2639	69.79	88.20	3297.04	3887	3053	2641	78.80	84.47	3886.93
Day 28	3928	3116	2681	78.87	83.65	3928.43	3872	2955	2495	74.69	80.37	3871.90	3959	3134	2679	80.14	84.34	3959.22
Day 29	3792	3026	2713	78.28	86.01	3792.16	3891	3105	2577	75.92	81.29	3891.37	3934	3125	2753	80.32	85.07	3933.84
Day 30	3474	2873	2603	71.15	85.34	3474.00	3865	3128	2572	76.65	82.64	3864.54	3858	3089	2787	79.04	85.37	3857.83
Day 31	3717	3008	2543	75.62	84.77	3717.14							3844	3027	2688	76.47	82.88	3844.45

Table 30 contd..

**TABLE 30**  
**DEMAND AND CONSUMPTION**

Day	01/23						02/23						03/23					
	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)	Max. Demand (MW)	Morning peak (MW)	Min. Demand (MW)	Consumption (MU)	L.F (%)	Unrestricted Demand (MW)
Day 1	3444	2803	2466	68.88	83.33	3444.18	4032	3261	2750	79.69	82.36	4031.80	4216	3455	2926	85.33	84.34	4215.83
Day 2	3838	2946	2495	75.28	81.73	3838.21	3935	3303	2714	79.11	83.77	3935.03	4253	3435	2994	85.53	83.78	4253.44
Day 3	3882	3110	2577	75.93	81.50	3881.81	3895	3282	2698	78.39	83.85	3895.19	4123	3390	2951	84.01	84.91	4122.86
Day 4	3876	3131	2577	75.64	81.31	3876.36	3917	3163	2658	78.23	83.22	3916.55	4065	3312	2922	83.45	85.53	4064.98
Day 5	3826	3106	2598	75.62	82.37	3825.60	3636	2962	2561	72.42	82.98	3636.05	3886	3102	2754	78.40	84.07	3885.57
Day 6	3824	3122	2526	75.48	82.25	3923.66	4046	3216	2675	78.54	80.87	4046.44	4216	3337	2961	85.32	84.34	4215.52
Day 7	3824	3112	2638	76.00	82.81	3823.95	4024	3320	2724	78.83	81.63	4023.89	4214	3458	3018	86.20	85.24	4213.75
Day 8	3516	2845	2500	70.18	83.17	3515.93	4070	3276	2716	79.69	81.59	4069.67	4209	3325	3067	85.69	84.83	4208.85
Day 9	3948	3186	2593	77.38	81.65	4078.41	4170	3366	2821	81.28	81.23	4169.60	4255	3370	3032	87.59	85.76	4255.17
Day 10	3899	3227	2677	76.85	82.12	3899.37	4008	3381	2867	80.99	84.20	4008.09	4274	3522	3107	88.06	85.85	4273.81
Day 11	3870	3160	2598	75.53	81.32	3870.07	3902	3138	2728	78.78	84.12	3902.14	4193	3379	3105	87.26	86.71	4192.97
Day 12	3839	3156	2530	74.85	81.23	3839.38	3621	2961	2608	72.01	82.86	3620.96	4234	3216	2835	81.38	80.09	4233.55
Day 13	3776	3120	2502	74.04	81.69	3776.17	3993	3201	2630	78.71	82.14	3993.02	4432	3425	3057	90.23	84.83	4432.04
Day 14	3760	2999	2452	73.01	80.90	3760.35	4061	3294	2771	80.13	82.21	4061.28	4494	3524	3261	92.04	85.33	4494.21
Day 15	3396	2753	2447	66.82	81.98	3396.08	4068	3294	2778	80.86	82.82	4068.21	4052	3611	3292	90.63	93.20	4051.86
Day 16	3902	3103	2401	74.65	79.73	3901.59	4032	3334	2788	81.01	83.71	4032.21	4305	3454	3096	88.58	85.73	4305.25
Day 17	3955	3206	2567	76.62	80.72	3955.22	3966	3340	2849	80.84	84.93	3966.02	4304	3470	3109	88.93	86.08	4304.47
Day 18	3880	3146	2584	76.32	81.95	3880.38	3793	3170	2799	78.38	86.11	3792.55	4203	3445	3153	88.26	87.50	4202.84
Day 19	3887	3163	2600	75.41	80.82	3887.31	3700	2923	2632	73.36	82.61	3700.38	4107	3193	2828	80.40	81.55	4107.50
Day 20	3790	3151	2566	74.20	81.56	3790.50	4135	3258	2772	82.34	82.97	4134.75	4339	3380	3073	87.94	84.45	4338.69
Day 21	3749	3032	2501	73.59	81.78	3749.02	4210	3456	2978	85.28	84.40	4350.27	4268	3461	3136	88.32	86.22	4268.20
Day 22	3460	2851	2497	68.12	82.03	3459.94	4154	3431	3010	84.73	84.98	4254.49	4288	3445	3085	88.45	85.95	4287.77
Day 23	3910	3152	2465	75.82	80.80	3909.63	4126	3387	2983	83.71	84.53	4216.44	4434	3418	3244	90.54	85.08	4434.24
Day 24	3646	3312	2666	76.21	87.08	3646.46	4130	3357	2892	83.16	83.90	4179.66	4216	3495	3296	90.74	89.67	4216.48
Day 25	3834	3195	2518	75.48	82.02	3834.22	4055	3276	2905	83.18	85.46	4185.48	4300	3379	3232	89.10	86.34	4300.06
Day 26	3706	2942	2594	72.38	81.38	3705.74	3768	3096	2435	75.75	83.77	3767.60	4082	3307	2974	82.51	84.22	4082.31
Day 27	3886	3126	2534	76.03	81.52	3886.40	4079	3249	2835	81.22	82.97	4078.69	4353	3335	3162	89.29	85.47	4352.96
Day 28	3803	3084	2655	75.88	83.13	3802.96	4120	3301	2799	82.31	83.24	4120.22	4517	3416	3314	91.56	84.45	4516.97
Day 29	3501	2836	2477	69.07	82.20	3501.10							4415	3537	3358	92.83	87.61	4414.74
Day 30	3945	3105	2559	75.50	79.74	3945.29							4313	3466	3341	90.92	87.83	4313.02
Day 31	3993	3275	2684	78.67	82.09	3993.00							4360	3384	3271	90.40	86.38	4360.30

Table 30 contd..

TABLE 31

## PERCENTAGE SALES AND REVENUE - CATEGORY WISE

(All figures in %)

Year	Domestic		Commercial		Industrial LT (incl. Public Water Works)		HT & EHT		Agriculture LT		Public Lighting		Licensees		Export		Railway Traction	
	Sales	Revenue	Sales	Revenue	Sales	Revenue	Sales	Revenue	Sales	Revenue	Sales	Revenue	Sales	Revenue	Sales	Revenue	Sales	Revenue
2013-14	46.32	27.06	11.81	21.08	5.81	6.84	21.39	25.83	1.64	0.57	1.69	1.19	2.77	2.94	7.50	13.40	1.06	1.08
2014-15	49.87	32.15	12.87	21.99	5.84	7.13	22.04	26.13	1.59	0.61	1.84	1.39	2.95	3.17	1.91	6.27	1.09	1.14
2015-16	51.31	35.70	14.12	23.35	5.69	7.12	21.19	26.86	1.44	0.63	1.89	1.49	2.98	3.31	0.28	0.40	1.10	1.15
2016-17	51.18	35.82	14.73	24.55	5.63	6.84	20.55	25.86	1.60	0.92	1.87	1.42	3.05	3.29	0.25	0.11	1.14	1.18
2017-18	50.36	35.80	14.59	23.86	5.30	6.71	21.60	26.75	1.65	0.52	1.78	1.41	2.90	3.19	0.56	0.42	1.27	1.33
2018-19	48.58	35.40	14.41	23.46	4.97	6.07	21.12	26.22	1.51	0.66	1.69	1.32	2.67	2.83	3.69	2.60	1.36	1.43
2019-20	52.38	37.44	15.08	24.15	4.78	5.96	20.32	26.17	1.53	0.69	1.61	1.25	2.71	2.82	0.25	0.14	1.34	1.38
2020-21	56.66	44.96	13.31	21.22	4.85	5.80	17.65	22.06	1.80	0.83	1.68	1.30	2.21	2.34	1.17	0.76	0.67	0.74
2021-22	49.54	38.30	12.93	21.17	4.55	5.61	18.64	23.13	1.46	0.70	1.42	1.12	1.98	2.15	8.18	6.54	1.29	1.28
2022-23	46.31	34.48	15.19	23.08	4.72	5.44	20.54	24.80	1.43	0.01	1.36	0.01	2.17	2.37	6.78	6.62	1.50	1.51

\*\* Commercial LT includes General LT VI and LTX Electric Vehicle Charging Stations(from 2020-21 onwards)

\*\*\* Railway Traction includes KMRL also

TABLE 32

## LIST OF EHT CONSUMERS 2022-23

Sl. No.	Name of Consumer 2022-23	Tariff	Supply Voltage	Contract Demand (KVA)	Recorded MD (Z1) KVA	Recorded MD (Z2)KVA	Recorded MD (Z3)KVA	Annual Consumption (kWh)	Product
1	APOLLO TYRES LTD	EHT I (66 kV) INDUSTRIAL	66	10000	10128	9648	9354	58933100	Tyre
2	CARBORUNDUM UNIVERSAL LTD,EDAPPALLY	EHT I (66 kV) INDUSTRIAL	66	18000	19916	19828	19692	105810800	Brown Fused Alumina
3	COCHIN SHIPYARD LIMITED	EHT I (66 kV) INDUSTRIAL	66	8500	7234	5374	5132	27794360	
4	HINDUSTAN MACHINE TOOLS LTD	EHT I (66 kV) INDUSTRIAL	66	2900	2455.85	1846.05	2033	2649700	CNC Lathes, Conventional Lathes, Printing Machines
5	HINDUSTAN ORGANIC CHEMICALS LTD	EHT I (66 kV) INDUSTRIAL	66	8000	5786	5332	5288	36634500	
6	INDIAN TELEPHONE INDUSTRIES	EHT I (66 kV) INDUSTRIAL	66	1500	1270	500	450	1744000	Electronic Telephone Exchanges, Printed Circuit Boards, Sim Cards
7	INDSIL HYDRO POWER & MANGANESE LTD	EHT I (66 kV) INDUSTRIAL	66	10500	9338	9302	9562	52239800	Silico Manganese
8	KOCHI REFINERIES LTD - PUMPING STATION	EHT I (66 kV) INDUSTRIAL	66	1400	1510.57	1512.9	1521.45	7806225	water pumping
9	PCBL LIMITED	EHT I (66 kV) INDUSTRIAL	66	1500	4802	2800	3422	243150	CARBON BLACK Factamfos Ammonium Sulphate Caprolactam (Final Products)
10	PRECOT LIMITED (A UNIT)	EHT I (66 kV) INDUSTRIAL	66	4500	4032	4002	4018	26125540	Cotton Yarn
11	PREMIER TYRES LTD	EHT I (66 kV) INDUSTRIAL	66	4750	4260	3894	3524	21756800	Automotive Tyres
12	TRANSFORMERS & ELECTRICALS KERALA LTD	EHT I (66 kV) INDUSTRIAL	66	2000	1746.7	1264.38	1545.63	3169375	Power Transformer
13	TRAVANCORE TITANIUM PRODUCTS LTD	EHT I (66 kV) INDUSTRIAL	66	3500	2915.3	2281.25	2680.55	13870500	Titanium Dioxide (Anatase Grade)
14	AUTOKAST LIMITED	EHT II (110 kV) INDUSTRIAL	110	3000	2340	2190	2060	4428000	Post Gray Iron,& Cast Iron casting
15	BHARAT PETROLEUM CORPORATION LTD	EHT II (110 kV) INDUSTRIAL	110	2600	2402.76	2287.8	2380.74	14781600	
16	BHARATH PETROLEUM CORPORATION,ERNAKULAM	EHT II (110 kV) INDUSTRIAL	110	850	944.7	921.3	955.8	2653668	
17	CARBORUNDUM UNIVERSAL LTD,KORATTY	EHT II (110 kV) INDUSTRIAL	110	7500	6802	6770	6762	47488100	Abresive grains
18	FACT COCHIN DIVISION	EHT II (110 kV) INDUSTRIAL	110	12000	11888	10468	10882	66460968	Factomfos 20:20
19	FACT ,UDYOGAMANDAL	EHT II (110 kV) INDUSTRIAL	110	14000	18840	18120	18600	84832200	
20	GTN TEXTILES LTD	EHT II (110 kV) INDUSTRIAL	110	1150	2866	2834	2736	5853670	Yarn
21	HINDALCO INDUSTRIES LTD	EHT II (110 kV) INDUSTRIAL	110	5000	3052	3388	3126	11144765.35	Aluminium billets & extrusions
22	HINDUSTAN NEWS PRINT LTD	EHT II (110 kV) INDUSTRIAL	110	22000	23740	15440	25120	12413900	Newsprint
23	INOX AIR PRODUCTS PVT LTD	EHT II (110 kV) INDUSTRIAL	110	6700	6327.96	6409.54	6360.36	50973000	
24	KERALA MINERALS & METALS LTD.	EHT II (110 kV) INDUSTRIAL	110	15000	11843	11990	11721	85050900	Titanium Dioxide pigment
25	MADRAS RUBBER FACTORY LTD(MRF)	EHT II (110 kV) INDUSTRIAL	110	10000	9044.4	8822.4	7645.2	48153900	Tyre, Tube, Tyre Repair Materials, Masticated Rubber
26	MALABAR CEMENTS, WALAYAR (15/14/1337)	EHT II (110 kV) INDUSTRIAL	110	10000	8866	5516	8852	36817300	Cement
27	PARAGON STEELS PVT. LTD.-UNIT II	EHT II (110 kV) INDUSTRIAL	110	7000	6564.3	4702.9	6471.7	26382800	CTD/TMT Bars – Steel
28	PATSPIN INDIA LTD	EHT II (110 kV) INDUSTRIAL	110	4400	3752	3762	3710	23265681	
29	PRECOT LIMITED	EHT II (110 kV) INDUSTRIAL	110	2700	2652	2618	2638	16404400	Cotton yarn(fine),cotton yarn
30	SAINT GOBAIN INDIA (P) LIMITED	EHT II (110 kV) INDUSTRIAL	110	12000	9448	9238	9064	41912950	
31	STEEL COMPLEX LTD	EHT II (110 kV) INDUSTRIAL	110	3000	0	0	0	0	Mild Steel Billet
32	TRAVANCORE COCHIN CHEMICALS LTD(TCC)	EHT II (110 kV) INDUSTRIAL	110	26300	27001.5	26946	26956.5	178255450	Chemicals

Table 32- contd..

Sl. No.	Name of Consumer 2022-23	Tariff	Supply Voltage	Contract Demand (KVA)	Recorded MD (Z1) KVA	Recorded MD (Z2)KVA	Recorded MD (Z3)KVA	Annual Consumption (kWh)	Product
33	WESTERN INDIA PLYWOOD LTD	EHT II (110 kV) INDUSTRIAL	110	3500	2851.3	2544.65	2482.95	13021900	Hardboard, Plywood, ,Free compressed ,press board
34	COCHIN REFINERIES LTD	EHT III (220 kV) INDUSTRIAL	220	50000	72140	54280	55440	212374000	Petroleum Products
35	SOUTHER RAILWAY,TRACTION SUB STATION,CHINGAVANAM	EHT II (110 kV) RT	110	7000	10140	8060	7270	22303000	Railway Traction
36	SOUTHERN RAILWAY,TRACTION SUB STATION,PALAKKAD	EHT II (110 kV) RT	110	4000	10800	10820	9860	27266000	Railway Traction
37	SOUTHERN RAILWAY TRACTION UPPALA	EHT II (110 kV) RT	110	5000	6720	6840	6380	13508000	Railway Traction
38	SOUTHERN RAILWAY, TRACTION SUB STATION, KANNUR	EHT II (110 kV) RT	110	11000	10680	10840	10060	27809000	Railway Traction
39	SOUTHERN RAILWAY,PALAKKAD	EHT II (110 kV) RT	110	8000	9720	8400	8520	27548000	Railway Traction
40	SOUTHERN RAILWAY,TRACTION SUB STATION, KAZHAKUTTAM	EHT II (110 kV) RT	110	10500	10860	10660	7580	30811000	Railway Traction
41	SOUTHERN RAILWAY,TRACTION SUB STATION, PUNNAPRA	EHT II (110 kV) RT	110	5000	5290	5020	3860	11852000	Railway Traction
42	SOUTHERN RAILWAY,TRACTION SUB STATION, SHORANUR	EHT II (110 kV) RT	110	12000	13800	11160	13360	45609000	Railway Traction
43	SOUTHERN RAILWAY,TRACTION SUB STATION,KADAVANTHRA	EHT II (110 kV) RT	110	8000	8770	9210	10990	33121000	Railway Traction
44	SOUTHERN RAILWAY,TRACTION SUB STATION,KANJIKODE	EHT II (110 kV) RT	110	12500	14700	15540	14680	34219800	Railway Traction
45	SOUTHERN RAILWAY,TRACTION SUB STATION,PERINAD	EHT II (110 kV) RT	110	10500	11880	11300	9780	35944000	Railway Traction
46	SOUTHERN RAILWAY,TRACTION SUB STATION. CHALAKUDY	EHT II (110 kV) RT	110	9500	10290	9990	12040	41390000	Railway Traction
47	SOUTHERN RAILWAY,TRACTION SUBSTATION,,ELATHUR	EHT II (110 kV) RT	110	8000	10100	8880	9620	28268000	Railway Traction
48	KOCHI METRO RAIL LIMITED	KMRL(Kochi Metro Rail Ltd)	110	3000	2812.43	2775.75	2375.1	11633550	Railway Traction
49	KOCHI METRO RAIL PROJECT	KMRL(Kochi Metro Rail Ltd)	110	3000	2484.3	2634.3	3459.3	2187619	Railway Traction
50	TRV(Kerala)INTERNATIONAL AIRPORT LTD.(TIAL)	EHT GENERAL (C)	66	3000	2658.65	2752.56	2299.81	15212700	Airport
51	GOVERNMENT MEDICAL COLLEGE	EHT GENERAL (A)	110	1000	930	710	650	4387800	Medical college co.op sector
52	VIKRAM SARABHAI SPACE CENTRE,ISRO,THUMBA	EHT GENERAL (B)	110	12000	13000	6448	3304	35635200	Research Organisation
53	BELIEVERS CHURCH HOSPITAL AND CAMPUS	EHT GENERAL (C)	110	2000	1772	1444	1346	10488180	Biblical Seminary&CBSE school
54	COCHIN INTERNATIONAL AIRPORT	EHT GENERAL (C)	110	9000	6327	6637.8	6330	144345.56	Air Transport
55	ADANI VIZHINJAM PORT PVT. LTD.(AVPPL)	EHT GENERAL (C)	220	160	339	329.84	335.25	231700	
56.a	ASSISTANT SECRETARY, THRISSUR CORPORATION	Licensee: ThrissurCorporation	66	8000	15552.6	13117.6	8837.8	53212600	Distribution Licensee
56.b	ASSISTANT SECRETARY, THRISSUR CORPORATION	Licensee: ThrissurCorporation	110	0	26012	22718	16141.8	103455600	
57	COCHIN PORT TRUST	Licensee: CPT	110	6500	6638.1	5621.7	5164.8	27272850	Distribution Licensee
58	COCHIN SPECIAL ECONOMIC ZONE AUTHORITY (CSEZA)	Licensee: CSEZ	110	13000	10462	9134	8524	56265700	Distribution Licensee
59	GARRISON ENGINEER(NS),MES	Defence Installations and Combined usage(MES)	110	11000	8560.3	5936.1	4922.5	8817947	Bulk Consumer/ Licensee
60.a	INFOPARK, CHERTHALA	Licensee:Infopark, Cherthala	110	550	392	250	298	847570	
60.b	INFOPARK PHASE-II KAKKANAD	Licensee:Infopark, Cherthala	220	2250	3960	3620.92	2440	14448700	
61	KINESCO POWER&UTILITIES PVT LTD (KPUPL)	Licensee: KPUPL	110	17000	13044	10702	8072	64488200	Distribution Licensee
62	RUBBER PARK INDIA PVT. LTD,IRAPURAM,ERNAKULAM	Licensee: RPL	110	6700	6932	5940	6452	32844120	Distribution Licensee
63.a	TECHNO PARK	Licensee: Technopark	110	15000	10075.95	7412.7	4355.4	41355150	IT Software firm/ Distribution Licensee
63.b	TECHNOCITY	Licensee: Technopark	110	1000	800	522	372	1521050	IT Software firm
63.c	TECHNOPARK PHASE II&III,THIRUVANANTHAPURAM	Licensee: Technopark	110	5000	4862.4	4042.73	2968.8	19639200	IT Software firm



TABLE 33									
LIST OF EHV AND 33 kV SUBSTATIONS as on 31.03.2023									
Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
<b>I. 400 kV Substation in operation</b>									
1	Madakkathara	Thrissur	400/220	315	3	945	1993 &1995	8	KSEBL owned
			220/110	200	3	600			
			110/11	10	2	20			
A	Areekode (Kozhikode)		400/220	500	1	500			PGCIL owned
			400/220	315	2	630			
B	Elappully (Palakkad)		400/220	315	2	630			PGCIL owned
C	Kochin East(Ernakulam)		400/220	315	2	630			PGCIL owned
D	Madakkathara(Thrissur )		400/220						PGCIL owned Switching Station
E	North Thrissur HVDC		400/220	315	2	630			PGCIL owned
F	Pallippuram(Trivandrum)		400/220	315	3	945			PGCIL owned
	<b>Total</b>				<b>20</b>	<b>5530</b>		<b>8</b>	
	<b>400 kV TRANSMISSION SUBSTATION</b>			<b>1+6*</b>	<b>SWITCH YARD</b>		<b>0</b>	<b>8</b>	
<b>II. 220 kV Substations in operation</b>									
1	Aluva GIS	Kalamassery	220/110	200	2	400	31/03/2021	16	
			110/66	63	2	126	01/06/1905		
			110/11	12.5	1	12.5			
			66/11	10	3	30			
2	Ambalamugal (BPCL)	Kalamassery	220/33	50	1	50	Apr-12, May-13	0	
3	Areacode	Malappuram	220/110	160	1	160	May-98	7	
			110/11	20	2	40	09.10.2021 07.2022		
4	Brahmapuram	Kalamassery	220/110	160	2	320	Nov-99	12	
			110/11	12.5	2	25	03/2019		
			110/33	16	1	16			

Table-33 220 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
5	Chalakkudy	Thrissur	220/110	100	2	200	11.12.2020	9	
			110/66	50	1	50			
			110/33	16	2	32			
			110/11	20	1	20			
			110/11	12.5	1	12.5			
6	Edamon	Kottarakara	220/110	200	1	200	23.07.2016	5	
			110/66	40	2	80			
			66/11	10	2	20	1978, May-13		
7	Edappon	Alappuzha	220/110	200	2	400	May-09	12	
			110/66	63	2	126	1980		
			110/33	16	2	32	2011,2019		
			66/11	10	3	30	1989,1992 2005		
8	Elankur		220/110	100	2	200	01/04/2020	4	
			110/11	12.5	2	25	01/03/2020		
9	Ettumanoor	Poovanthuruthu	220/110	100	2	200	02/2022, 19.05.2022		66 kV Upgraded Substation DOC: 19.05.2022
			110/11	20	2	40	02.08.2022		
10	Kalamassery	Kalamassery	220/110	200	3	600	18.05.1905	8	
			220/110	120	1	120			
			110/66	63	2	126			
			110/11	20	2	40	21.08.2017 &16.10.2017		
11	Kaloore GIS	Kalamassery	220/110	160	2	320		13	
			110/66	25	2	50			
			110/33	25	2	50			
			110/11	20	3	60	10.06.2022		
			110/11	12.5	1	12.5			
12	Kanhirode	Kannur	220/110	160	2	320	Sep-97	6	
			66/11	10	1	10			

Table-33 220 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
			110/33	16	2	32	Feb-01, Aug-06		
			110/11	10	2	20	Sep-97		
13	Kaniyampetta	Kozhikode	220/66	50	2	100	16/06/1905	4	
			66/33	20	2	40			
			66/11	10	2	20			
14	Kothamangalam	Thodupuzha	220/110	100	2	200	15/01/2019	12	
			110/11	20	2	40	11/20		
15	Kundara	Kottarakara	220/110	200	2	400	Jan-06	16	
			110/11	12.5	3	37.5			
16	Kunnamangalam	Kozhikode	220/110	100	2	200			
			110/66	40	2	80	Nov-00	6	
			110/33	16	1	16			
			110/11	12.5	2	25	17.01.2023		Replaced 2x10 MVA on 17.01.23
17	Kunnamkulam	Thrissur	220/110	100	2	200	20.08.2022	9	110 KV upgraded DOC:10.05.2022
			110/33	16	1	16	06.01.2023		
			110/11	20	2	40	20.06.2022, 08.02.2023		
18	Malaparamba	Malappuram	220/110	100	1	100	Nov-07	7	
			220/110	200	1	200	01/02/2020		
			110/11	12.5	2	25			
19	Mylatty	Kannur	220/110	100	2	200	Oct-98	11	
			110/11	20	2	40	03/08/2022, 10/11/2022		
			110/11	12.5	1	12.5	29/04/15		
			110/11	31.5	1	31.5			GTR
20	Nallalam	Kozhikode	220/110	200	2	400	03/05/1905	15	
			110/66	40	1	40			
			110/33	16	2	32			
			110/11	20	2	40	25.08.2022		

Table-33 220 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
			66/11	10	2	20			
21	New Kattakkada	Thiruvananthapuram	220/110	200	2	400	24.7.2017	0	
22	New Pallom	Poovanthuruthu		-	-	-	Nov-99		Switching Station
23	Orkatteri (Vadakara)	Kozhikode	220/110	100	2	200	May-09	5	
			110/11	12.5	2	25	May-09, Feb-14		
24	Palakkad	Palakkad	220/110	160	3	480	May-97, 03/16/2019	20	All 20 are 22kV feeders
			110/22	25	5	125	May-97, May-12		
25	Pallivasal (Chithirapuram)		220/66	63	2	126	06.05.2022		New Substation; DOC: 03..2022
			66/33	16	1	16	16.09.2021		
26	Pallom	Poovanthuruthu	220/110	200	2	400	18/05/1905	11	
			110/66	63	3	189			
			110/11	12.5	1	12.5	01/11/2016		
			66/11	16	1	16			
			66/11	10	1	10			
27	Pothencode	Thiruvananthapuram	220/110	200	3	600	11/06/1905	14	
			110/11	12.5	3	37.5			
			110/11	10	1	10			
28	Punnapra	Alappuzha	220/110	200	2	400	01/06/2018	9	
			110/66	63	2	126	06/06/1905		
			110/33	16	1	16	30/06/1905		
			66/11	10	2	20	06/06/1905		
29	Shornur	Palakkad	220/110	100	1	100	Jan-04	8	
			220/110	200	1	200			
			110/11	12.5	2	25			
30	Solar Park Ambalathara	Kannur	220/110	100	2	200	26.05.2020, 05.06.2022	1	
			220/33	100	2	200	30.08.2017		

Table-33 220 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
			33/11	5	1	5	15.01.2018		
31	Taliparamba	Kannur	220/110	100	2	200	Mar-05	8	
			110/33	16	2	32	Jul-03		
			110/11	10	2	20	May-98		
32	Thalassery	Kannur	220/110	100	2	200	31.01.2023	12	110 kV upgraded
			110/11	20	2	40	01.11.2022		
33	Vizhinjam GIS	Thiruvananthapuram	220/110	100	2	200	27.06.2022		66 Kv Upgrded Substation DOC: 27.06.2022
			110/11	20	2	40	01.05.2022		
a	Moolamattom (IDUKKI-GSY)	Gen. Circle, Moolamattom	220/66	50	1	50	02/2000	4	Switch Yard
			66/11	6.3	2	12.6			
b	Moozhiar (Sabarigiri)	Gen. Circle, Moozhiyar	220/66	50	1	50	26/05/1905	2	Switch Yard
			66/11	4	1	4			
c	Lower Periyar (Switch Yard)	Gen.Circle, Kothamangalam				0			6 nos. 220 kV feeders
<b>33</b>	<b>Total</b>				<b>184</b>	<b>11950.6</b>		<b>266</b>	<i>excl. Palakkad 22 kV feeders</i>
	<b>220 kV TRANSMISSION SUBSTATION</b>			<b>33</b>	<b>SWITCH YARD</b>	<b>3</b>			
<b>III. 110 kV Substations in operation</b>									
1	Adimali	Thodupuzha	110/11	10	2	20	May-99, 08/2018	4	
2	Agastiamoozhi	Kozhikode	110/33	16	1	16	Jan-04	5	
			110/11	12.5	2	25	Mar-14		
3	Ambalappuram	Kottarakara	110/33	16	2	32	Mar-03	6	
			110/11	12.5	2	25			
4	Anchal	Kottarakara	110/11	12.5	2	25	15/06/2020	7	
5	Angamally	Thrissur	110/11	20	2	40	12/2015 07/2017	12	
6	Arangottukara	Thrissur	110/11	12.5	1	12.5	Feb-14	5	
			110/11	10	1	10	01/02/2019		
7	Aroor	Alappuzha	110/66	63	2	126	1994, Jan-05	11	

Table-33 110 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
			110/11	20	2	40	01/09/2018		
			66/11	16	2	32	01/08/2016		
8	Aruvikkara	Thiruvananthapuram	110/11	10	1	10	Aug-98	7	
			110/11	12.5	1	12.5	01/07/2016		
9	Athani	Thrissur	110/33	16	2	32	2001	10	
			110/11	12.5	2	25	14/06/1905		
10	Attingal	Thiruvananthapuram	110/66	20	2	40	Mar-05	11	
			110/33	25	2	50	2012, 28.11.2022		
			110/11	12.5	1	12.5			
			66/11	16	1	16	08/2018		
			66/11	10	1	10			
11	Ayarkunnam	Poovanthuruthu	110/11	12.5	2	25	Mar-10	6	
12	Ayathil	Kottarakara	110/11	12.5	3	37.5	Mar-09	13	
13	Ayoor	Kottarakara	110/11	12.5	2	25	5/2020, 02/2020	8	
14	Ayyampuzha	Thrissur	110/11	12.5	2	25	09.11.2012 15.06.2022	5	
15	Azhikode	Kannur	110/33	16	2	32	2005/2017	9	
			110/11	12.5	2	25	Apr-00		
16	Balaramapuram	Thiruvananthapuram	110/11	12.5	2	25	04/06/2020 27/08/2020	6	
17	Chakkittapara	Kozhikode	110/11	12.5	1	12.5	Dec-04	6	
			110/11	10	1	10	11.10.2010		
			110/33	16	1	16	03.04.2021		
18	Chavara	Kottarakara	110/11	12.5	2	25	Mar-10	8	
19	Chelari	Malappuram	110/33	16	2	32	2003, 2009	8	
			110/11	12.5	2	25	Feb-03		
20	Chellanam	Alapuzha	110/11	12.5	2	25	Mar-07	7	
21	Chemperi	Kannur	110/11	12.5	1	12.5	01.06.2020	6	
			110/11	10	1	10	18.11.2020		

Table-33 110 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
22	Chengalam	Poovanthuruthu	110/11	10	2	20	25.06.1995, 25.06.1995	9	
			110/11	12.5	1	12.5	01.02.2013		
23	Chengannur	Alapuzha	110/33	16	1	16	01/03/2009	11	
			110/11	12.5	3	37.5	17.09.2015 18.03.2022 23.11.2022		One 12.5 MVA newly added
24	Cherai	Kalamassery	110/11	12.5	2	25	6/2019, 10/2019	8	
25	Cherpu	Thrissur	110/33	16	1	16	24.06.1905	6	
			110/11	12.5	2	25	Dec-00		
26	Cherpulassery	Palakkad	110/11	12.5	2	25	Mar-04	6	
27	Cherupuzha	Kannur	110/11	10	2	20	Jun-98	5	
28	Cheruvathur	Kannur	110/33	16	2	32	Apr-02	6	
			110/11	12.5	1	12.5	01.02.2020		
			110/11	10	1	10	15.01.2021		
29	Chevayur	Kozhikode	110/66	25	2	50	18.06.1905	13	
			110/11	20	2	40	10/1/2017,		
30	Chovva	Kannur	110/11	20	2	40	01/08/2020 27.05.2022	8	
31	Edakkara	Malappuram	110/11	12.5	2	25	10.05.2021	5	
32	Edappal	Malappuram	110/11	12.5	2	25	Mar-00	7	
33	Edappally	Kalamassery	110/11	20	2	40	01/03/2020 22.08.2022	9	One 12.5 MVA replaced with 20 MVA
			110/33	16	2	32	Nov-13		
34	Edarikode	Malappuram	110/33	25	2	50	2021, 24.05.2022	9	
			110/11	12.5	3	37.5	01/05/2003		
35	Edathala	Kalamassery	110/11	12.5	3	37.5	27/03/2003	12	
36	Edathuva	Alapuzha	110/33	16	2	32	Mar-08, 03/2019	6	
			33/11	5	2	10			

Table-33 110 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
37	Edayar	Kalamassery	110/11	12.5	2	25	Apr-00, Dec-13, 10/2018	12	
			110/11	10	1	10	Apr-00		
			66/11	8	1	8			
38	Eramallor	Alappuzha	110/11	12.5	2	25	01/06/2019	6	
39	Eranakulam North	Kalamassery	110/11	12.5	2	25	06/2016 , 03/2017	13	
			66/11	10	1	10			
40	Erattupetta	Poovanthuruthu	110/11	12.5	2	25	Apr-01	6	
41	Erumeli	Poovanthuruthu	110/11	12.5	1	12.5	4.5.2017	6	
			110/11	10	1	10			
42	Ezhimala	Kannur	110/11	12.5	1	12.5	Aug-01	3	
			110/11	10	1	10			
43	Gandhi Road (GIS)	Kozhikode	110/11	20	2	40	01/08/2016	13	
44	GIS, Kollam	Kottarakara	110/11	20	2	40	27.03.2017	10	
45	Guruvayoor	Thrissur	110/33	16	1	16	Dec-04	11	
			110/11	20	2	40	31.08.2017 & 22.09.2017		
46	Irinjalakuda	Thrissur	110/33	16	2	32	Aug-03, Mar-06	6	
			110/11	20	1	20	01/12/2018		
			110/11	10	1	10	Dec-00		
47	Iritty	Kannur	110/11	12.5	2	25	Jul-10	6	
			110/33	16	2	32	21.10.2017		
48	Kadavanthra	Kalamassery	110/11	10	1	10	Aug-97	9	
			110/11	12.5	2	25	09/2020 01.11.2022		One 12.5 MVA replaced
49	Kalladikode	Palakkad	110/11	12.5	1	12.5	Mar-10	6	
			110/11	10	1	10			
50	Kandanad	Kalamassery	110/11	12.5	1	12.5	Jan-01	9	
			110/11	20	1	20	17.08.2017		

Table-33 110 kV S/s contd..



Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
51	Kandassankadavu	Thrissur	110/33	16	2	32	Dec-04, -	7	
			110/11	12.5	2	25			
52	Kanhangad	Kannur	110/33	16	2	32	1993, 09/2016	8	
			110/11	20	2	40	20.08.2022		12.5 MVA replaced
53	Kanjikode	Palakkad	110/66	63	2	126	Jul-10	5	and 4 nos. 22 kV
			66/11	10	4	40	15.06.1905		
54	Kanjirappally	Poovanthuruthu	110/11	12.5	2	25	Mar-15/Feb-17	10	
55	Kattakada	Thiruvananthapuram	110/11	10	2	20	1996, Mar-14	10	
			110/11	12.5	1	12.5			
56	Kattoor	Thrissur	110/11	12.5	2	25	Feb-14	6	
57	Kavanadu	Kottarakara	110/11	12.5	1	12.5	15.06.1905	10	
			110/11	20	1	20	23.01.2023		replaced one 12.5 MVA
58	Kayamkulam	Alapuzha	110/33	16	1	16	Sep-09	11	
			110/11	12.5	1	12.5	26.03.2009		
			110/11	10	2	20	1999,2000		
59	Kilimanoor	Thiruvananthapuram	110/33	16	2	32	2004, 2008	6	
			110/11	10	2	20	Dec-98		
60	Kinaloor	Kozhikode	110/11	12.5	1	12.5	12.08.2020	7	
			110/11	10	1	10	11.07.2018		
61	KINFRA industrial park	Kannur	110/11	20	2	40	12.12.2022		New Substation
62	Kizhakkambalam	Kalamassery	110/11	12.5	3	37.5	Feb-14	12	
			110/11	10	1	10			
63	Kizhissery	Malappuram	110/33	16	2	32	2001, 2006	10	
			110/11	20	2	40	27.02.2020 30.01.2019		
64	Kodakara	Thrissur	110/11	12.5	2	25	06.12.2001	5	
65	Kodimatha	Poovanthuruthu	110/11	12.5	1	12.5	20.02.2016	9	
			110/11	10	1	10			
66	Kodungallur	Thrissur	110/11	12.5	2	25	09/2019, 8/1/2019	6	

Table-33 110 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
			110/33	16	1	16	12.2022		<i>newly added</i>
67	Koduvally	Kozhikode	110/11	12.5	2	25	Oct-09	6	
68	Kollengode	Palakkad	110/33	16	2	32	Dec-03	6	
			110/11	12.5	1	12.5	2021		
			110/11	10	1	10	17.11.2020		
69	Koodal	Pathanamthitta	110/11	12.5	2	25	May-13	6	
70	Koothattukulam	Poovanthuruthu	110/11	12.5	2	25	29.01.2021 22.03.2023	5	<i>One 12.5 MVA newly added</i>
			110/66	40	1	40	30.12.2021		
			66/11	10	1	10	20.06.2014		
71	Koottanad	Palakkad	110/33	16	2	32	Jun-02	8	
			110/11	12.5	2	25	Mar-00		
72	Koppam	Palakkad	110/33	16	2	32	24.06.1902 2002	10	
			110/11	12.5	2	25	Oct-13, 1995		
73	Kottarakara	Kottarakara	110/11	12.5	2	25	Dec-04	6	
74	Kottiyam	Kottarakara	110/33	16	2	32	02.07.1905 2010	7	
			110/11	12.5	2	25	May-98		
75	Kozhenchery	Pathanamthitta	110/11	12.5	1	12.5	08.02.2021	8	
			110/11	10	2	20	9/1/2017, 2012		
76	Kozhinjampara	Palakkad	110/33	16	2	32	01.07.1905 2009	6	
			110/11	12.5	2	25	Sep-08		
77	Kubanoor	Kannur	110/11	12.5	2	25	05/03/2005, 17/09/2022	6	
			110/33	25	2	50	05.04.2021		
78	Kuravilangad	Poovanthuruthu	66/11	10	1	10	01.01.2005	5	<i>66 kV S/s Upgraded</i>
			110/11	12.5	2	25	29.01.2021 22.03.2023		

Table-33 110 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
79	Kurumassery	Kalamassery	110/33	16	2	32	Dec-00	1	
			33/11	5	1	5			
80	Kuthungal	Thodupuzha	110/33	16	1	16	Mar-14	2	
			33/11	5	1	5	Mar-14		
81	Kuthuparamba	Kannur	110/11	12.5	2	25	1990, 12.06.1905	6	
82	Kuttikattoor	Kozhikode	110/11	20	2	40	10.05.2020 07.01.2023	10	
83	Kuttiapuram	Malappuram	110/11	20	2	40	13.07.2020	11	
			110/33	16	2	32	'Mar-14 17.09.2020		
84	Kuttiyadi	Kozhikode	110/33	16	1	16	01.01.2009	6	
			110/11	12.5	2	25	01.01.2009 18.03.2009		
85	Mala	Thrissur	110/11	12.5	2	25	01.09.2019 30.11.2020	7	
86	Malampuzha	Palakkad	110/11	10	2	20	1994 16.06.1905	8	
			110/33	16	1	16	01.05.2022		
87	Malappuram	Malappuram	110/33	16	1	16	2001	10	
			110/11	12.5	3	37.5	1976		
88	Malayattur	Thodupuzha	110/33	16	2	32	2004,Mar-05	6	
			110/11	10	2	20	1995, June-05		
89	Mallappally	Pathanamthitta	110/33	16	1	16	Dec-03	8	
			110/11	12.5	1	12.5	May-00		
			110/11	10	1	10			
90	Mangad	Kannur	110/11	12.5	3	37.5	1976, 14.11.2022	9	
91	Manjeri	Malappuram	110/11	20	2	40	3.01.2018	8	
92	Manjeswaram	Kannur	110/11	12.5	1	12.5	21.02.2002	7	
			110/11	10	1	10	26.05.1997		
93	Mankada	Malappuram	110/11	10	1	10	30/09/2015	4	

Table-33 110 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
			110/11	12.5	1	12.5	01.12.2021		
94	Mankavu	Kozhikode	110/11	20	2	40	07.04.2020, 21.12.2021	9	
			110/66	40	1	40	26.09.2022		
95	Mannarkkad	Palakkad	110/33	16	2	32	Oct-01	7	
			110/11	10	1	10	1990		
			110/11	12.5	1	12.5	09/08/2015		
96	Mannuthy	Thrissur	110/11	12.5	1	12.5	05-2021	6	
97	Marady	Thodupuzha	110/11	12.5	2	25	01.2021, 05.2021	7	
98	Mattanchery	Kalamassery	110/66	25	2	50	Apr-02	11	
			66/11	10	2	20	1/2009, 05/2020		
99	Mattanur	Kannur	110/33	16	2	32	Jul-10	7	
			110/11	12.5	2	25	Jul-10		
			110/11	20	1	20	10.03.2023		
100	Mavelikkara	Alappuzha	110/66	40	2	80	Dec-09	12	
			66/11	10	3	30	2003,2004 2006		
101	Medical College	Thiruvananthapuram	110/11	12.5	1	12.5	May-98	8	
			110/11	20	2	40	01/10/2018 13.10.2022		One 20 MVA newly added
			110/33	16	2	32	15.05.2017, 20.12.2021		
102	Melattur	Malappuram	110/33	16	2	32	Jan-06	5	
			110/11	12.5	2	25	,05/2019		
103	Meppayur	Kozhikode	110/33	16	2	32	Aug-04	4	
			110/11	10	2	20	01.01.2018 16.11.2022		One 5 MVA replaced with 10 MVA
104	Mulleria	Kannur	110/33	16	2	32	13.08.2008	6	
			110/11	10	2	20	06.03.2001 04.03.2003		

Table-33 110 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
105	Mundakkayam	Poovanthuruthu	110/11	12.5	2	25	09.11.2018	6	
			110/66	50	1	50	16.11.2018		
			110/33	16	1	16	07/2021		
106	Mundayadu	Kannur	110/33	16	2	32	2001	9	
			110/11	12.5	2	25	01.09.20019		
			110/11	10	1	10	01/09/2019		
107	Muttathara	Thiruvananthapuram	110/11	12.5	2	25	01/05/2020, 03.2021	1	
108	Muttom	Thodupuzha	110/11	12.5	2	25	22.01.2018	4	
109	Muvattupuzha	Thodupuzha	110/33	16	2	32	2004	13	
			110/11	12.5	3	37.5	1989, Dec-13		
110	Myloor (Pothanikad)	Thodupuzha	110/11	12.5	2	25	Mar-10	5	
111	Nadapuram	Kozhikode	110/33	16	1	16	Dec-13	6	
			110/11	12.5	2	25	Feb-01		
112	Nedumangadu	Thiruvananthapuram	110/33	25	2	50	03/2019	9	
			110/11	12.5	2	25	07/2018, 01/2021		
113	Nedumpoil	Kannur	110/11	10	1	10	1. April 2019	4	
			66/11	10	1	10	01.12.2019		
			110/33	16	1	16	01/07/2019		
114	Nenmara	Palakkad	110/11	10	1	10		6	
			110/11	12.5	1	12.5	13.10.2022		<i>newly added</i>
115	New Vyttila	Kalamassery	110/11	12.5	2	25	Dec-09	9	
116	Neyyattinkara	Thiruvananthapuram	110/11	12.5	3	37.5		9	
117	Nilambur	Malappuram	110/11	12.5	2	25	10.05.2021	7	
			110/33	16	1	16	10.05.2021		
118	North Paravur	Kalamassery	110/33	16	2	32	27.06.1905	8	
			110/11	12.5	2	25	1989 15.02.2021		
119	Ollur	Thrissur	110/33	16	2	32	2001	12	

Table-33 110 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
			110/11	12.5	3	37.5	Jan-01, Sep-13, Apr-17		
120	Ottapalam	Palakkad	110/11	12.5	2	25	1989, 26/11/2004	7	
121	Pala	Poovanthuruthu	110/66	40	2	80	1990,1991	9	
			110/33	16	2	32	2005,2007		
			66/11	10	2	20	1992,1995		
122	Pampady	Poovanthuruthu	110/11	12.5	2	25	27.01.16 29.04.16	9	
123	Panangad	Kalamassery	110/11	12.5	2	25	28/05/2012	7	
124	Panoor	Kannur	110/33	16	2	32	2003	5	
			110/11	10	2	20	1994		
125	Parali	Palakkad	110/33	16	2	32	2005	6	
			110/11	10	1	10	1988		
			110/11	12.5	1	12.5	01.04.2022		One 10 MVA replaced
126	Parappanagadi	Malappuram	110/11	12.5	2	25	30.12.2016	6	
127	Parassala	Thiruvananthapuram	110/33	16	2	32	2008	7	
			110/11	12.5	2	25	May-00		
128	Parippally	Kottarakara	110/33	16	1	16	Nov-13	9	
			110/11	12.5	2	25	Sep-10		
129	Paruthippara	Thiruvananthapuram	110/66	63	2	126	1978	15	
			110/11	20	3	60	14.06.2022		
130	Pathanamthitta	Pathanamthitta	110/33	16	2	32	2003	13	
			110/11	12.5	3	37.5	1999, Aug-14		
			110/11	10	1	10	01.11.2021		
131	Pathanapuram	Kottarakara	110/11	12.5	2	25	Sep-09	8	
132	Pathirippala	Palakkad	110/11	12.5	1	12.5	Oct-13	4	
			110/11	10	1	10	Aug-11,		
133	Pattambi	Palakkad	110/11	12.5	2	25	22.08.2021	4	New Substation commissioned on 24.08.2021

Table-33 110 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
			110/33	16	1	16	05.05.2022		
134	Payyangadi	Kannur	110/11	12.5	2	25	Dec-97	6	
135	Payyannur	Kannur	110/33	16	2	32	28/06/1905 13.04.2022	9	
			110/11	12.5	2	25	Apr-81		
136	Pazhayannur	Thrissur	110/11	12.5	1	12.5	Apr-97	5	
			110/11	10	1	10			
137	Perinadu	Kottarakara	110/11	12.5	2	25	08-02-16	6	
138	Perinthalmanna	Malappuram	110/11	20	2	40	31.03.2017, 22.01.2018	13	
139	Perumbavoor	Thodupuzha	110/33	16	1	16	Jun-03	10	
			110/11	20	1	20			
			66/11	10	1	10			
140	Pinarayi	Kannur	110/33	16	2	32	Mar-01	6	
			110/11	12.5	1	12.5	16.10.2020		
			110/11	10	1	10	07.05.2022		<i>newly added</i>
141	Piravom	Thodupuzha	110/11	12.5	1	12.5	01/03/2014	11	
			110/11	10	2	20			
142	Ponnani	Malappuram	110/11	12.5	2	25	Jan-03	6	
143	Pudukkad	Thrissur	110/11	12.5	2	25	18-5-2015 31-7-2015	7	
144	Pullazhy	Thrissur	110/11	20	2	40	Mar-08	8	
145	Punalur	Kottarakara	110/11	12.5	2	25	Jan-03	11	
146	Punnayarkulam	Thrissur	110/11	12.5	2	25	Aug-05	7	
147	Quilandy	Kozhikode	110/33	16	1	16	2002	7	
			110/11	20	2	40	27/10/2015 28.12.2022		<i>One 10 MVA replaced with 20 MVA</i>
148	Ranni	Pathanamthitta	110/11	12.5	2	25	Mar-01	9	
			110/33	16	1	16	01.11.2016		

Table-33 110 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
149	Rayonpuram	Thodupuzha	110/11	12.5	2	25	Sep-11, Nov-13	7	
			110/33	16	1	16	08.05.2020		
150	S.L. Puram (Kanjikuzhi)	Alappuzha	110/11	12.5	2	25	Aug-09	8	
151	Sasthamcotta	Kottarakara	110/66	20	1	20	1993	10	
			110/11	12.5	1	12.5			
			110/11	10	2	20			
			110/66	50	1	50			
152	Sreekantapuram	Kannur	110/11	12.5	2	25	07/2019	8	
153	Technopark (Kazhakuttam)	Thiruvananthapuram	110/11	20	4	80	11.06.2020 01.04.2022	12	
			110/33	16	2	32	01.12.2021		
154	TERLS	Thiruvananthapuram	110/66	40	1	40	Nov-04	10	
			110/11	20	2	40	28.09.2022		
155	Thambalamanna	Kozhikode	110/33	16	2	32	01.06.2020, 25.09.2021	3	
			33/11	5	2	10	Oct-09		
156	Thirumala	Thiruvananthapuram	110/66	63	1	63	Aug-00	17	
			110/33	16	2	32	01-04-2012/ 05.06.2015		
			110/11	20	3	60	09.01.2011 01.2018 22.07.2011		
157	Thiruvalla	Pathanamthitta	110/11	20	1	20		9	
			66/11	10	2	20	2010		
158	Thrikodithanam	Poovanthuruthu	110/11	12.5	2	25	Mar-08	6	
			110/33	16	1	16	Feb-13		
159	Thycattussery	Alappuzha	110/33	16	2	32	2008	8	
			110/11	10	1	10	Dec-03		
			110/11	20	1	20	08.01.2021		
160	Tirur	Malappuram	110/11	12.5	1	12.5	Apr-00	12	

Table-33 110 kV S/s contd..



Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
			110/11	20	2	40			
161	Udumbannoor	Thodupuzha	110/33	16	2	32	Apr-05	4	
			33/11	5	2	10	Dec-05		
162	Vadakara	Kozhikode	110/33	16	1	16	07.07.2002	10	
			110/11	10	1	10			
			110/11	20	2	40	11.05.2022 15.06.2022		replaced one 10 MVA and one 12.5 MVA
163	Vadakkanchery	Palakkad	110/33	16	2	32	2006, 2010	7	
			110/11	12.5	2	25	'Mar-99 10.07.2019		
164	Vaikom	Poovanthuruthu	110/66	40	2	80	1971	8	
			110/33	16	1	16	2009		
			110/11	12.5	1	12.5	01/07/2013		
			110/11	10	2	20			
165	Valapad	Thrissur	110/33	16	2	32	Dec-05	9	
			110/11	10	3	30	Dec-00		
166	Valiavelicham	Kannur	110/11	12.5	2	25	27.03.2018, 09.03.2022	3	
			110/66	40	1	40			
167	Varkala	Thiruvananthapuram	110/11	10	2	20	Oct-06, Jun-14	11	
			110/11	12.5	1	12.5			
			110/33	16	1	16			
168	Veli	Thiruvananthapuram	110/11	20	2	40	28.03.2018	9	
			110/66	40	1	40			
169	Vennakkara	Palakkad	110/33	16	2	32		12	2021-22 upgraded
			110/11	20	2	40			newly added 2 trasnfr
170	Vidhya Nagar	Kannur	110/33	16	2	32	28/04/2016, 30/04/2014	11	
			110/11	20	2	40			

Table-33 110 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
171	Viygur	Thrissur	110/66	63	2	126	1998	9	
			110/33	16	2	32	2007		
			110/11	12.5	2	25	1998		
172	Vyttila	Kalamassery	110/66	63	1	63	May-05	9	
			110/66	40	1	40			
			110/11	20	2	40	28.05.2020 24.05.2022		replaced one 12.5 MVA
173	Wadakkanchery	Thrissur	110/33	16	1	16	Dec-05	6	
			110/11	12.5	2	25			
174	Walayar	Palakkad	110/22	25	1	25	Mar-11	0	6 nos. 22 kV feeders
			110/22	10	1	10			
175	West Hill	Kozhikode	110/11	12.5	1	12.5	20.06.2000	14	
			110/11	20	2	40	24.05.2022 19.08.2022		newly added
176	Willington Island	Kalamassery	110/11	10	2	20	Nov-97	6	
A	Mahe (Pondichery Govt.)		110/11	10	2	20	11.06.1905		Pondichery Govt. (not owned by KSEBL)
a	Idamalayar	Gen. Circle, Kothamangalam	110/11	10	1	10			
b	Kakkad	Gen. circle, Moozhiyar	110/11	12.5	2	25	1999	3	Switch yard
c	Kakkayam	Kozhikode	110/11	12.5	2	25	Sep-12, May-14	2	Switch yard
d	Neriamangalam	Gen. circle, Meencut	110/11	12.5	1	12.5		4	Switch yard
e	Panniyar	Gen. circle, Meencut	110/11	0	0	0			Switch yard
f	Poringalkuthu	Gen. circle, Thrissur	110/11	0	0	0			Switch yard
g	Sengulam	Gen. circle, Meencut	110/66	40	1	40			Switch yard
			110/66	25	1	25			
h	Sholayar	Gen. circle, Thrissur	110/11	10	1	10	19.05.1905	2	Switch yard
<b>176</b>	<b>Total</b>				<b>567</b>	<b>8906.5</b>		<b>1369</b>	
	<b>110 kV TRANSMISSION SUBSTATION</b>		<b>176+1*</b>	<b>SWITCHYARD</b>	<b>8</b>				
<b>IV. 66 kV Substations in operation</b>									
1	Adoor	Pathanamthitta	66/11	10	2	20	01/06/1905	10	

Table-33 66 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
			66/11	7.5	1	7.5			
2	Alappuzha	Alappuzha	66/11	10	1	10	27/06/1905	10	
			66/11	16	2	32	7/2016, 02/2019		
3	Ambalavayal	Kozhikode	66/11	10	1	10		6	New Substation commissioned on 13.02.2021
			33/11	5	1	5			
4	Anju Kunnu	Malappuram	66/11	5	1	5	Nov-12	3	
			66/11	10	1	10	13.6.17		
5	Chandranagar (Palakkad Medical College)	Palakkad	66/11	10	2	20	28.03.2016	7	
6	Changanassery	Poovanthuruthu	66/11	10	3	30	01/06/1905	10	
7	Cherthala	Alappuzha	66/11	10	3	30	21/05/1905	10	
8	Chittoor	Palakkad	66/11	10	2	20	12/06/1905	7	
9	Chumathra	Pathanamthitta	66/11	10	2	20	11/06/1905	8	
10	Cyber Park	Kozhikode	66/11	10	1	10	01.06.2017	2	
			66/11	16	1	16			
11	Enathu	Pathanamthitta	66/11	10	1	10			
12	Fort Kochi (GIS)	Kalamassery	66/11	10	2	20	01/12/2006	6	
13	Gandhinagar	Poovanthuruthu	66/11	10	3	30	02/03/1987	12	
14	Kakkanad (CEPZ)	Kalamassery	66/11	16	2	32	09/06/1905	14	
			66/11	10	1	10	10/06/1999		
15	Kannampully	Palakkad	66/11	10	1	10	2021	4	
16	Karimanal	Thodupuzha	66/11	6.3	2	12.6	01/2016, 03/2017	3	
17	Karukutty	Thrissur	66/11	10	2	20	24/05/1905	9	
18	Karunagappally	Kottarakara	66/11	10	3	30	16/06/1905	11	
19	Karuvatta	Alappuzha	66/11	10	2	20	22.09.2001, 21.12.2011	8	
20	Kattanam	Alappuzha	66/11	10	2	20	11/1/2019, 02/2020	7	

Table-33 66 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
21	Kattappana	Thodupuzha	66/11	10	2	20	07/02/1992	7	
22	Kochu pampa	Pathanamthitta	66/11	4	2	8	01/12/1998	4	
23	Kottayam (Kanjikuzhy)	Poovanthuruthu	66/11	10	3	30	28/05/1905	11	
24	Kulamavu	Thodupuzha	66/11	6.3	1	6.3	1967	4	
25	Kuthumunda	Kozhikode	66/11	10	2	20	Prior nos. to Ist plan	7	
26	Kuttanadu	Alappuzha	66/11	10	2	20	26/05/1905	8	
27	L A Complex (GIS)	Thiruvananthapuram	66/11	16	2	32	2012	8	
28	Mananthavady	Kozhikode	66/11	10	2	20	08/05/1905	6	
29	Marine Drive GIS	Kalamassery	66/11	16	2	32	01/11/2007	8	
30	Mavoor (Ambalaparamba)	Kozhikode	66/11	10	2	20	30.12.17	4	
31	Mulavukadu	Kalamassery	66/11	6.3	2	12.6	01/02/2001	3	
32	Nangiarkulangara	Alappuzha	66/11	10	3	30	1996,1997,2019	10	
33	Nedumkandom	Thodupuzha	66/33	20	1	20	30/03/2008	5	
			66/11	8	1	8	23/11/2006		
			66/11	10	1	10	28/06/2018		
34	Njarakkal	Kalamassery	66/11	10	2	20	26/05/1905	9	
			66/11	16	1	16	01/03/2019		
35	NPOL (Thrikkakara)	Kalamassery	66/11	10	1	10	31/03/2010	14	
			66/11	16	2	32	22/05/2019		
36	Odakkali	Thodupuzha	66/11	10	2	20	31.03.2018	6	
37	Palode	Thiruvananthapuram	66/11	10	2	20	02.07.1905	6	
38	Panampally Nagar	Kalamassery	66/11	10	2	20	11.06.1905	6	
39	Pathirappally	Alappuzha	66/11	10	2	20	31.05.1905	9	
40	Peerumedu	Thodupuzha	66/33	16	1	16	27.06.2009	7	
			66/11	10	2	20	06/11/2017, 06/11/2019		
41	Perumanoor (Shipyard)	Kalamassery	66/11	16	2	32	25/05/1905	11	
42	Powerhouse (GIS)	Thiruvananthapuram	66/11	16	2	32	16/12/2012	8	

Table-33 66 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
43	Puthencruz	Kalamassery	66/11	10	3	30	16/12/2012	10	
44	Puthiyara (GIS)	Kozhikode	66/11	16	2	32	Mar-04	8	
45	Sultan Bathery	Kozhikode	66/11	10	1	10	08.06.1905	6	
			66/11	6.3	1	6.3			
46	Thamarassery	Kozhikode	66/11	10	2	20	18.05.1905	7	
47	Thenmala	Kottarakara	66/11	6.3	1	6.3	04/10/2015	5	
			66/11	10	1	10			
48	Thodupuzha	Thodupuzha	66/11	10	3	30	02.06.1905	11	
49	Thriveni	Pathanamthitta	66/11	10	2	20	19.03.2021	6	
			66/11	4	1	4	11.02.2022		
50	Tripunithura	Kalamassery	66/11	10	2	20	07.12.2018,	6	
51	Vandiperiyar	Thodupuzha	66/11	10	2	20	12.06.1905	4	
			66/33	16	1	16	01.02.2019		
52	Vattiyoor kavu	Thiruvananthapuram	66/11	10	2	20	Nov-04	10	
53	Vazhathoppu	Thodupuzha	66/11	10	1	10	01/01/2013	7	
			66/11	8	1	8	19/05/1905		
54	Vaiga Thread	Kothamangalam	66/11	10	1	10		5	
A	Walayar (MCL Quarry)	Palakkad	66/11	10	2	20			
a	Pallivasal	Gen. circle, Meencut	66/11	10	3	30	1940, Feb-12	9	Switch yard
<b>54</b>	<b>Total</b>				<b>126</b>	<b>1329.60</b>		<b>402</b>	
	<b>66 kV TRANSMISSION SUBSTATION</b>		<b>54+1*</b>	<b>SWITCH YARD</b>	<b>1</b>				
<b>V. 33 kV Substations in operation</b>									
1	Adichanalloor	Kottarakara	33/11	5	2	10	Mar-10	5	
2	Agali	Palakkad	33/11	5	3	15	Dec-02, 2003,	4	
3	Alakkode	Kannur	33/11	5	2	10	Nov-09	4	
4	Alanallur	Palakkad	33/11	5	2	10	May-04	4	
5	Alangad	Kalamassery	33/11	5	1	5	Aug-09	4	
			33/11	8	1	8	30/11/2011		
6	Alathur	Palakkad	33/11	5	2	10	Jul-06	3	

Table-33 33 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
7	Ananthapuram	Kannur	33/11	8	2	16	28/07/2017 &18/08/2017	6	
8	Anchangadi	Thrissur	33/11	5	2	10	Mar-05	4	
9	Annamanada	Kozhikode	33/11	5	2	10	Aug 2, 2016	5	
10	Anthikad	Thrissur	33/11	5	1	5	Aug-09	2	
11	Aryanad	Thiruvananthapuram	33/11	5	1	5	31.03.2018	2	
12	Badiyaduka	Kannur	33/11	5	2	10	Mar-09	3	
13	Balusseriy	Kozhikode	33/11	5	2	10	Apr-02, 29/07/2022	4	
				8	1	8	01/09/19		
14	Belur	Kannur	33/11	5	2	10	Mar-08, 17.3.15	3	
15	Blangad	Thrissur	33/11	5	2	10		4	
16	Challisseri	Palakkad	33/11	5	2	10	Mar-03	4	
17	Chavakkad	Thrissur	33/11	5	2	10	Dec-04	4	
18	Chelakkara	Thrissur	33/11	5	2	10	Jan-08	4	
19	Chengamanad	Kottarakara	33/11	5	2	10	May-06, Jan-13	4	
20	Chirakkal	Thrissur	33/11	5	1	5	Dec-05	2	
21	Chittadi	Palakkad	33/11	5	2	10	Nov-10	4	
22	Chullimanoor	Thiruvananthapuram	33/11	5	2	10	Mar-09	3	
23	Dharmadam	Kannur	33/11	5	2	10	2008	4	
24	Edavanna	Malappuram	33/11	5	2	10	May-04	4	
25	Erumapetty	Thrissur	33/11	5	3	15	Sep-01	3	
26	Ezhukone	Kottarakara	33/11	5	2	10	Mar-08	4	
27	Feroke	Kozhikode	33/11	8	2	16	30.12.2021, 07.12.2021	4	
28	Kadackal	Thiruvananthapuram	33/11	5	3	15	Dec-04	3	
29	Kadakkavoor	Thiruvananthapuram	33/11	8	2	16	Nov-12	3	
30	Kadapra	Pathanamthitta	33/11	5	2	10	17.06.2016	2	
31	Kaduthurathy	Poovanthuruthu	33/11	5	1	5	Nov-09	2	
32	Kaipamangalam	Thrissur	33/11	5	2	10	May-05	3	

Table-33 33 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
33	Kalady	Thrissur	33/11	5	3	15	Dec-04, Dec-12	6	
34	Kalarcode	Alappuzha	33/11	5	1	5	01/07/2019	7	
35	Kalikavu	Malappuram	33/11	5	2	10	Mar-10 31.03.2021	2	
36	Kallambalam	Thiruvananthapuram	33/11	5	2	10	Jul-08	3	
37	Kallara	Poovanthuruthu	33/11	5	2	10	18.03.2017 25.02.2020		
38	Kalletumkkara	Thrissur	33/11	5	2	10	01.01.2006	4	
39	Kalloorkadu	Thodupuzha	33/11	5	1	5	Mar-09	3	
			33/11	8	1	8	14.03.2022		5 MVA enhanced with 8 MVA
40	Kalpakanchery	Malappuram	33/11	5	2	10	31.3.17	3	
			33/11	8	2	16	01.12.2022		
41	Kalpetta	Kozhikode	33/11	5	2	10	Nov-04	4	
			33/11	8	1	8	2019		
42	Kanhangad town	Kannur	33/11	8	2	16	01.12.2022, 21.12.2022	3	
43	Kannanalloor	Kottarakara	33/11	5	2	10	Mar-13	4	
44	Kannur town	Kannur	33/11	5	2	10	Jul-10	2	
45	Karamana	Thiruvananthapuram	33/11	8	2	16	Apr-12, Jan-14	2	
46	Karukachal	Poovanthuruthu	33/11	5	2	10	Sep-11	4	
47	Kasargod town	Kannur	33/11	8	2	16	10/06/2019, 21/05/2019	4	
48	Katchery	Thiruvananthapuram	33/11	5	2	10	07.10.2017	4	
49	Kelakam	Kannur	33/11	5	2	10		5	
50	Kidangoor	Poovanthuruthu	33/11	5	2	10	Oct-10	3	
51	Kinfra	Malappuram	33/11	5	2	10	Jul-03	2	
52	Kodiyeri	Kannur	33/11	5	2	10	Mar-07	3	
53	Koduvayur	Palakkad	33/11	5	3	15	Dec-03	3	
54	Kongad	Palakkad	33/11	5	2	10	Dec-05	4	
55	Kongannur	Thrissur	33/11	8	2	16	Apr-07	4	

Table-33 33 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
56	Konni	Pathanamthitta	33/11	5	2	10	Mar-08	3	
57	Kooriyad (Kakkad)	Malappuram	33/11	8	2	16	16.11.17 & 06.12.17	3	
58	Koottikkal	Poovanthuruthu	33/11	5	1	5	28.01.2016	2	
59	Koovappady	Thodupuzha	33/11	8	2	16	Mar-09	6	
60	Koratty	Thrissur	33/11	5	2	10	Jan-09	5	
61	Kumbanad	Pathanamthitta	33/11	5	2	10	Feb-14	3	
62	Kumily	Thodupuzha	33/11	8	2	16	01-04-2022; 12.12.2022	4	
63	Kuruppambady	Thodupuzha	33/11	8	2	16	12.2018, 09.2018	6	
64	Kuthiathode	Alappuzha	33/11	5	3	15	Mar-08	3	
65	Kuttiyattur	Kannur	33/11	5	2	10	Feb-01	4	
66	Makkaraparamba	Malappuram	33/11	8	2	16	May-04	4	
67	Maniampara	Palakkad	33/11	5	2	10	Jul-06	4	
68	Manimala	Poovanthuruthu	33/11	5	2	10	27.05.17	3	
69	Mannar	Alappuzha	33/11	5	3	15	Mar-09 20.12.2018	9	
70	Marayoor	Thodupuzha	33/11	5	2	10	01-09-2021, 08-12-22	2	
71	Maruthur (Pattambi)	Palakkad	33/11	5	3	15	23.03.2000 Jan-02	4	Renamed Pattambi 33 kV as Maruthur
72	Mazhuvanoor	Thodupuzha	33/11	8	2	16	20.01.2022	3	New transformers
73	Meenakshipuram	Palakkad	33/11	5	2	10	Mar-10	2	
74	Meenangady	Kozhikode	33/11	5	1	5	Oct-04	3	
			33/11	8	1	8			
75	Melady	Kozhikode	33/11	8	1	8	01/08/2019	3	
				8	1	8	29.08.17		
76	Methala	Thrissur	33/11	5	2	10	Mar-14	2	
77	Mullassery	Thrissur	33/11	5	2	10	Feb-06	3	

Table-33 33 kV S/s contd..



Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
78	Mulloorkara	Thrissur	33/11	5	2	10	Jan-08	3	
79	Mundur	Thrissur	33/11	5	3	15	Mar-01	4	
80	Muthalamada	Palakkad	33/11	5	2	10	Dec-03	3	
81	Nadukani	Kannur	33/11	8	2	16	09.10.2020, 20.09.2022	4	5 MVA replaced with 8 MVA
82	Neeleswaram	Kannur	33/11	5	2	10	Mar-07	4	
83	Nelliampathy	Palakkad	33/11	5	1	5	Jun-05	2	
84	Ochira	Kottarakara	33/11	8	2	16	01.09.2020	4	
85	Olavakode	Palakkad	33/11	5	2	10		4	
86	Othukkungal	Malappuram	33/11	5	2	10	Mar-09	2	
87	Padinjarethara	Kozhikode	33/11	5	2	10	Nov-04	3	
88	Paika	Poovanthuruthu	33/11	5	3	15	Mar-10 2016	5	
89	Palakkal	Thrissur	33/11	5	2	10	Mar-08	3	
90	Pallassena	Palakkad	33/11	5	2	10	Sep-11	3	
91	Pandalam	Kollam	33/11	5	3	15	28.03.2019	6	
92	Parappukara	Thrissur	33/11	5	2	10	Aug-03	4	
93	Parappur	Thrissur	33/11	5	2	10	Oct-08	4	
94	Paravoor	Kottarakara	33/11	5	2	10	Nov-12	4	
95	Pariyaram	Thrissur	33/11	5	2	10	Jul-03	4	
96	Pariyaram	Kannur	33/11	5	2	10	Mar-07	4	
97	Pattikadu	Thrissur	33/11	5	2	10	Aug-03	2	
98	Pattoor	Thiruvananthapuram	33/11	5	2	10	18.05.17	4	
99	Payannur town	Kannur	33/11	8	2	16	01.09.2022	5	
100	Pazhassi	Kannur	33/11	5	2	10	Aug-06	6	
101	Perambra	Kozhikode	33/11	5	2	10	3/2017 , 2/2019	4	
102	Perla	Kannur	33/11	5	2	10	Mar-09	3	
103	Perumthenaruvi	Pathanamthitta	33/11	5	1	5	02.06.2018		
104	Peyad	Thiruvananthapuram	33/11	5	2	10	Mar-13	3	

Table-33 33 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
105	Pookkottumpadam	Malappuram	33/11	5	2	10	Aug-13	2	
106	Poomala	Thrissur	33/11	5	2	10	Mar-07	3	
107	Poovar	Thiruvananthapuram	33/11	5	2	10	Aug-08, 16.7.14	5	
			33/11	8	1	8			
108	Pooyappally	Kottarakara	33/11	5	2	10	Sep-10	4	
109	Pothukallu	Malapuram	33/11	5	1	5	Aug-2020	2	
110	Pulamanthole	Malappuram	33/11	5	2	10	Nov-04 31.03.2021	2	
111	Pulpally	Kozhikode	33/11	5	2	10	Dec-04, 4.3.15	2	
112	Puthenvelikara	Kalamassery	33/11	5	2	10	May-06	4	
113	Puthiyatheruvu	Kannur	33/11	5	2	10	Feb-01, 07.12.2022	3	
114	Puthur	Thrissur	33/11	5	2	10	Mar-01	4	
115	Puthur	Kottarakara	33/11	5	2	10	Aug-10	3	
116	Puthur	Kannur	33/11	5	2	10	Mar-03, 30.09.2022	3	
117	Rajapuram	Kasargod	33/11	5	2	10	04.03.2020	4	
118	Ramanattukara	Kozhikode	33/11	5	1	5	Nov-09	4	
			33/11	8	2	16	30.05.2022		
119	Ramapuram	Poovanthuruthu	33/11	5	2	10	Oct-09, 25.6.14	4	
120	Ranni-Perunad	Pathanamthitta	33/11	5	1	5	Jan-11	4	
121	Senapathy	Thodupuzha	33/11	5	2	10	Oct-14	2	
122	Sreekrishnapuram	Palakkad	33/11	5	2	10	Jan-06	4	
123	Tarur	Palakkad	33/11	5	2	10	Apr-10	3	
124	Thakazhy	Alappuzha	33/11	5	2	10	Oct-08	2	
125	Thammanam	Kalamassery	33/11	5	2	10	17.02.2018	3	
126	Thazhekkode	Malappuram	33/11	5	2	10	Nov-02	2	
127	Thirunavaya	Malappuram	33/11	8	2	16	10.11.2022	3	
128	Thiruveappura	Palakkad	33/11	5	2	10	'Jan-14 06.06.2020	2	

Table-33 33 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
129	Thiruvellur	Kozhikode	33/11	8	2	16	15.5.14, 19.01.2022	2	
130	Tholambra	Kannur	33/11	5	2	10	Feb-02	3	
131	Thottada	Kannur	33/11	8	2	16	Apr-02	3	
132	Thrikkannapuram (Thavanur)	Malappuram	33/11	5	2	10	'Dec-09 24.06.2020	2	
133	Thrikkaripur	Kannur	33/11	5	2	10	Dec-04	4	
134	Thrithala	Palakkad	33/11	5	2	10	Mar-03	4	
135	Upputhura	Thodupuzha	33/11	5	2	10	Jun-09	5	
136	Urumi	Kozhikode	33/11	5	1	5	May-07	3	
137	Vadanapilly	Thrissur	33/11	5	2	10	Dec-04	3	
138	Vadekkekara	Kalamassery	33/11	5	3	15	Aug-05	5	
139	Vagamon	Thodupuzha	33/11	5	1	5	Mar-10	3	
140	Vakathanam	Poovanthuruthu	33/11	5	2	10	Feb-13	4	
141	Vallikunnam	Alappuzha	33/11	5	2	10	2012, 2018	4	
142	Valluambaram	Malappuram	33/11	8	2	16	Dec-01	4	
143	Vandanmedu	Thodupuzha	33/11	5	2	10	16.09.2019	4	
144	Vannamada	Palakkad	33/11	5	2	10	Oct-09	3	
145	Vannappuram	Thodupuzha	33/11	5	2	10	Nov-12	4	
146	Varappuzha	Kalamassery	33/11	8	2	16	27.10.2022, 14.11.2022	4	
147	Velanthavalam	Palakkad	33/11	5	2	10	Feb-11	3	
148	Veliyambra	Kannur	33/11	5	2	10	01/05/20	2	
149	Vellangallur	Thrissur	33/11	5	2	10	Mar-06	3	
150	Vellannur	Kozhikode	33/11	5	2	10	Sep-11	3	
151	Vellarada	Thiruvananthapuram	33/11	5	2	10	Aug-11	3	
152	Vellikulangara	Thrissur	33/11	5	2	10	15.02.2010	4	
153	Vengola	Thodupuzha	33/11	5	2	10	05.2007, 08.2012	4	
154	Venjaramoodu	Thiruvananthapuram	33/11	8	2	16	08.03.2022	3	New transformers

Table-33 33 kV S/s contd..

Sl. No	Name of substation	Transmission Circle	Voltage Ratio (kV)	Capacity (MVA)	No.in each capacity	nos. total Capacity	Year of Commissioning	No. of 11 kV Feeders	Remarks
155	Vilakulam	Thiruvananthapuram	33/11	5	1	5	15.02.2021	2	
156	Vithura	Thiruvananthapuram	33/11	5	2	10	Oct-11	3	
157	Vyddhyuthi Bhavanam-Tvpm	Thiruvananthapuram	33/11	5	2	10	22/07/2019	4	
158	Vydyuthi bhavan-pkkd	Palakkad	33/11	5	2	10	27-6-2015	4	
159	Wandoor	Malappuram	33/11	8	2	16	Aug-97, Nov-13	3	
160	West Elery	Kannur	33/11	5	2	10	Feb-07	2	
a	Barapole	Gen. Circle, Kakkayam	33/11	5	1	5		1	Switch yard
b	Vilangand	Gen. Circle, Kakkayam	33/11	5	1	5		1	Switch yard
<b>160</b>	<b>Total</b>				<b>327</b>	<b>1809.00</b>		<b>554</b>	
	<b>33 kV TRANSMISSION SUBSTATION</b>		<b>160</b>		<b>SWITCH YARD</b>	<b>2</b>			

Remarks-Switch yards with outgoing HT feeders included

\*\* Substation not in control of KSEBL(6 nos. 400 kV S/s owned by PGCIL,110 kV Mahe and 66 kV Vaiga)

ABSTRACT OF EHV AND 33 kV SUBSTATIONS				
Substations	Transmission substations	Gen. Switch yard with HT feeder	MVA Capacity	HT Feeders
400kV	1+6*	0	1565+3965*	8
220kV	33	3	11950.60	266
110kV	176+1*	8	8886.5+20*	1369
66kV	54+1*	1	1309.6+20*	402
<b>EHT S/S</b>	<b>264+8*</b>	<b>12</b>	<b>23711.7+4005*</b>	<b>2045</b>
33kV	160	2	1809.00	554
<b>TOTAL</b>	<b>424+8*</b>	<b>14</b>	<b>25520.7+4005*</b>	<b>2599</b>

\* Substations not owned by KSEBL

NB1: Total no.of Substations & Total MVA Capacity is including that of PGCIL owned 400 kV substations, 110 kV Substation Mahe, 66 kV Substation Walayar

TABLE 34							
LIST OF EHV AND 33 kV TRANSMISSION LINES (as on 31.03.2023)							
Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
<b>A. 400 kV Lines (PGCIL owned)</b>							
1	Thirunelveli - Pallippuram No.I	PGCIL		Twin Moose	160 (74.9 in Kerala)		
2	Thirunelveli - Pallippuram No.II	PGCIL		Twin Moose	160 (74.9 in Kerala)		
3	THIRUNELVELI - KOCHI EAST I	PGCIL		QUAD MOOSE	148.3		
4	THIRUNELVELI - KOCHI EAST II	PGCIL		QUAD MOOSE	148.3		
5	Udumalpet - Elappully No.I	PGCIL		Twin Moose	95.7 (48.1 in Kerala)		
6	Udumalpet - Elappully No.II	PGCIL		Twin Moose	95.7 (48.1 in Kerala)		
7	Elappully -Thrissur No. I	PGCIL		Twin Moose	84.78		
8	Elappully - Thrissur No.II	PGCIL		Twin Moose	84.78		
9	Mysore-Kozhikkode No. I	PGCIL		Twin Moose	206 (142 in Kerala)		
10	Mysore-Kozhikkode No. II	PGCIL		Twin Moose	206 (142 in Kerala)		
11	Thrissur-thrissur HVDC I	PGCIL		Quad Moose	1.5		
12	Thrissur-thrissur HVDC II	PGCIL		Quad Moose	1.5		
13	Kochi East - HVDC I	PGCIL		Quad Moose	78.2		
14	Kochi East - HVDC II	PGCIL		Quad Moose	78.2		
<b>400kV PGCIL LINE-Total in Ckt.KM</b>					<b>1155.56</b>		<b>UG : 27.215+27.215</b>
<b>C. 400 kV Lines (KSEBL owned)</b>							
1	MADAKKATHARA - KOZHIKKODE I (KSEBL)	Thrissur/Madakkathara LMS	4MDKZI	TWIN GREAT HORNBILL	88.513	2021	charged on 10.02.2021
2	MADAKKATHARA - KOZHIKKODE II (KSEBL)	Thrissur/Madakkathara LMS	4MDKZII	TWIN GREAT HORNBILL	88.513	2021	
<b>400kV KSEBL LINE-Total in Ckt.KM</b>					<b>177.026</b>		
<b>B. 320 kV Lines (PGCIL owned)</b>							
1	Pugalur HVDC-Thrissur HVDC I	PGCIL		UG+ LAPWING	66.3635(2.7215 UG + 63.642 OH in Kerala)		
2	Pugalur HVDC-Thrissur HVDC II	PGCIL		UG+ LAPWING	66.3635(2.7215 UG + 63.642 OH in Kerala)		
<b>320kV PGCIL LINE-Total in Ckt.KM</b>					<b>132.727</b>		<b>UG : 5.443</b>
<b>I. 220 kV Lines (PGCIL owned)</b>							
1	Edamon - Thirunelveli No.I (PGCIL)	PGCIL	2EMTN I	Twin Moose	81	2010	PGCIL
2	Edamon - Thirunelveli No.II (PGCIL)	PGCIL	2EMTN II	Twin Moose	81	2010	PGCIL
3	Edamon - Edappon	PGCIL+KSEBL	2EMEP	Twin Moose	67.17	1998	PGCIL Part( LILO portion of 8.62km from Bharanikkavu to Edappon coming under KSEBL)

Table-34 220 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
4	Edamon - Kundara	PGCIL+KSEBL Kottarakkara/Kundara	2EMKD	Twin Moose	61.17	1998	From Choorakode tap to Kundara(24km) under LMS, Kundara
5	Kayamkulam - Edappon	PGCIL+KSEBL	2KYEP	Twin Moose	28.57	1998	PGCIL Part ( LILo portion of 8.62km from Bharanikkavu to Edappon coming under KSEBL)
6	Kayamkulam - Kundara	Kottarakkara/Kundara	2KYKD	Twin Moose	64.81		From Choorakode Tap to Kundara (24km) under LMS Kundara
7	Kayamkulam - New Pallom		2KYNP	Zebra	47		
8	Kayamkulam - Punnapra	PGCIL+KSEBL	2KYPU	Zebra	18.3		
9	Punnapra-New Pallom	PGCIL+KSEBL	2PUNP	Zebra	18.3		
<b>220 kV PGCIL LINE-Total in Ckt.KM</b>					<b>467.32</b>		
<b>II. 220 kV Lines ( KSEBL Owned)</b>							
1	Ambalamugal-BPCL KR GR1 I			1000MM2 CU cable	2.5		
2	Ambalamugal-BPCL KR GR1 II			1000MM2 CU cable	2.5		
3	Ambalathara - Mylatty	TC Kannur, LMS Mylatty	2ABMY	ACSR Kundah	16.52	2017	
4	Areacode - Kanhirode	Kozhikode & TS, Nallalam, LMS Vatakara ,LMS Areecode	2ARKH	ACSR Kundah	108.92	1997	1)36.47km from Kanhirode to 221 comes under LMS1,Kannur 2)21.38km from loc 63 to 125 under Transmission section, Nallalam 3)30.51km from loc 125 to 220 under LMS, Vatakara 4) 19.641 km from Areecode SS to loc 62 under LMS Areecode
5	Areacode - Nallalam No.I	Kozhikode & TS, Nallalam, LMS Areecode	2ARNL 1	ACSR Kundah	27.63	1976	1) 15.84 km from loc 1 to 50 under Transmission section, Nallalam 2) 10.324 km from Areecode SS to loc 32 of multi towers under LMS Areecode
6	Areacode - Nallalam No.II	Kozhikode & TS, Nallalam, LMS Areecode	2ARNL 2	ACSR Kundah	27.63	1976	1)15.84 km from loc 1 to 50 under Transmission section, Nallalam 2) 10.324 km from Areecode SS to loc 32 of multi towers under LMS Areecode
7	Areacode - Orkatteri	Kozhikode & TS, Nallalam, LMS Vatakara ,LMS Areecode	2AROR	ACSR Kundah	72.45	1995	1)21.38km from loc 63 to 125 under Transmission section, Nallalam 2)31.51km from loc 125 to 220/3 under LMS, Vatakara 3) 19.641 km from Areecode SS to loc 62 under LMS Areecode
8	Areakode-Kunnamangalam	Kozhikode & TS, Nallalam, LMS Areecode	2ARKG	KUNDAH+PANTHER	25.16	1998	1)17.36 km from loc 565 to 587 under Transmission section, Nallalam 2) 10.324 km from Areecode SS to loc 32 of multi towers under LMS Areecode
9	Brahmapuram - Ambalamugal No.I	Kalamassery	2 BR AM I	UG Cable	4.4	2022	
10	Brahmapuram - Ambalamugal No.II	Kalamassery	2 BR AM II	UG Cable	4.4	2022	
11	Brahmapuram - Kaloore No.I	Kalamassery	2 BR KA I	1200 Sq mm UG+OH (ACSR Panther)	11.5	2020	

Table-34 220 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
12	Brahmapuram - Kaloore No.II	Kalamassery	2 BR KA II	1200 Sq mm UG+OH (ACSR Panther)	11.5	2020	
13	Brahmapuram-Infopark	Kalamassery		UG	1.6		
14	Cochin East - Brahmapuram I	Kalamassery	2 CO BR I	ACSR Kundah	6.58	2013	
15	Cochin East - Brahmapuram II	Kalamassery	2 CO BR II	ACSR Kundah	6.58	2013	
16	Cochin East - Aluva I	Kalamassery	2 CO AL I	ACSR Panther	11.45	2021	
17	Cochin East - Aluva II	Kalamassery	2 CO AL II	ACSR Panther	11.45	2021	
18	Cochin East - Kalamassery No.I	Kalamassery	2 CO KL I	ACSR Kundah	15.06	2013	
19	Cochin East - Kalamassery No.II	Kalamassery	2 CO KL II	ACSR Kundah	15.06	2013	
20	Edamon - Pothencode No.I	Kottarakkara, LMS Edamon	2EMPC I	ACSR Kundah	47.69	1989	
21	Edamon - Pothencode No.II	Kottarakkara, LMS Edamon	2EMPC II	ACSR Kundah	47.69	1989	
22	Elamkur - Areacode	Malappuram/ LMS Areecode	2ENAR	ACSR Kundah	16.914		
23	Elappully - Madakkathara	LMS 2, Madakkathara	2 EL MD	ACSR Kundah	82.53	2012	
24	Elappully - Palakkad No.I	Palakkad/Palakkad	2ELPK # 1	ACSR Kundah	3.3		
25	Elappully - Palakkad No.II	Palakkad/Palakkad	2ELPK # 2	ACSR Kundah	3.3		
26	Elappully - Palakkad No.III	LMS 2, Madakkathara	2 EL PK III	ACSR Kundah	3.66	2014	
27	Idukki - Kalamassery No.I	THODUPUZHA/ MUVATTUPUZHA	2IDKL 1	ACSR Kundah	72	1976	
28	Idukki - Kalamassery No.II	THODUPUZHA/ MUVATTUPUZHA	2IDKL2	ACSR Kundah	72	1976	
29	Idukki - Kothamangalam	THODUPUZHA		Kundah/ double ACSR Panther	44.5		
30	Idukki - Lower Periyar No.I			ACSR Kundah	35.9		
31	Idukki - Lower Periyar No.II			ACSR Kundah	35.9		
32	Idukki - New Pallom			ACSR Kundah	49.94		
33	Idukki-Pallivasal	TC Thodupuzha/LMSVazhathoppu	2IDPV	ACSR Kundah	40	1989	<i>New (Erstwhile Idukki- Udumalpet commissioned as new element on 19/2/2022) Single Circuit Line</i>
34	Kanhirode - Ambalathara	TC Kannur, LMS Payyannur & LMS Mylatty	2KHAB	ACSR Kundah	62.19	2017	
35	Kanhirode - Thaliparamba	TC Kannur, LMS Payyannur	2KHTA	ACSR Kundah	28.02	1998	
36	Kaniyampetta - Kadakola (Inter state)	KOZHICODE	2KD KN	ACSR Kundah	92 (25.4 in Kerala)	1976	<i>102.69(21.69 kerala,81 Karnataka)</i>
37	Kothamangalam - Aluva	Thodupuzha / Kothamangalam	2KMAL	Twin ACSR Panther	34	2021	
38	Kunnamangalam-Kaniyampetta	Kozhikode & TS, Nallalam	2KGKN	ACSR Kundah + PANTHER	46	1998	<i>1)29.72 km from loc 587 to 643 under Transmission section, Nallalam</i>
39	Lower Periyar - Madakkathara	LMS 1, Madakkathara	2 LP MD	ACSR Kundah	102	2000	
40	Lower Periyar - Brahmapuram No.I	Kalamassery	2 LP BR I	ACSR Kundah	58.46	1999	
41	Lower Periyar - Brahmapuram No.II	Kalamassery	2 LP BR II	ACSR Kundah	58.46	1999	
42	Lower Periyar- Chalakudy	LMS 1, Madakkathara/ LMS Chalakydy	2 LP CH	ACSR Kundah /Twin Panther	88.372	2020	<i>Loc. 1 to 199 under LMS I, Madakkathara. / The 220/110 MCMV line from Konnakuzhi (loc:199) to Chalakydy comes under LMS Chalakydy</i>
43	Madakkathara - Elamkur	LMS 2 , Madakkathara &Malappuram/ LMS Areecode	2MDEN	ACSR Kundah	77.4		<i>1) 41.083 km Fom Loc. 1 to 119 under LMS 2, Madakkathara. 2) 36.517 km from loc 119 to Elenkur SS under LMS Areecode.</i>

Table-34 220 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
44	Madakkathara -Shornur	LMS 2, Madakkathara.		ACSR Kundah	29.35	1993	
45	Madakkathara-Chalakkudy	LMS 1, Madakkathara/ LMS Chalakkudy	2 MD CH	ACSR Kundah /Twin Panther	60.372	2020	Tower Location 199 to 309 under LMS1 Madakkathara / The 220/110 MCMV line from Konnakuzhi (loc:199) to Chalakkudy comes under LMS Chalakkudy
46	Malaparamba - Nallalam	TS Nallalam & LMS Areekode	2MRNL	ACCC Drake	60	2021	1) 4.75 km from loc 1 to 15 under Transmission Section, Nallalam 2) 50.68 km from Malaparambu SS to loc 277/16 under LMS Areekode
47	New Pallom - Pallom			Twin Moose	0.8		
48	New Kattakada-Vizhinjam GIS		2NKVZ	KUNDAH	18.36		
49	New Kattakada-VISL			KUNDAH	18.36		
50	North Thrissur HVDC - Nallalam	LMS 2, Madakkathara & TS Nallalam & LMS Areekode	2TRNL	ACCC Drake	120	2021	1)44.14km Loc. 1 from HVDC Thrissur S/s to Loc. 113/116 under LMS 2, Madakkathara. 2) 4.75 km from loc 1 to 15 under Transmission Section, Nallalam 3) 56.597 km from loc 113/116 to loc 277/16 under LMS Areekode
51	Orkatteri - Kanhirode	LMS 1 KANNUR	2ORKH	ACSR Kundah	37.14	2009	
52	Palakkad-Madakkathara		2 PKMD	ACSR Kundah	82.26	1996	
53	Pallippuram - Pothencode No.I(PGCIL)	TC Thiruvananthapuram	2TVPC 1	Moose	3.49	2006	
54	Pallippuram - Pothencode No.II (PGCIL)	TC Thiruvananthapuram	2TVPC 2	Moose	3.49	2006	
55	Pallippuram - Pothencode No.III (PGCIL)	TC Thiruvananthapuram	2TVPC 3	Moose	3.49	2006	
56	Pallippuram - Pothencode No.IV (PGCIL)	TC Thiruvananthapuram	2TVPC 4	Moose	3.49	2006	
57	Pallivasal-Aluva	Thodupuzha / Kothamangalam	2PVAL	Twin ACSR Panther	81	2022	
58	Pallivasal-Kothamangalam	Thodupuzha / Kothamangalam	2 PVKM	Twin ACSR Panther	51.47	2022	
59	Pallivasal-Udumalpett	TC Thodupuzha/LMS Vazhathoppu	2PVUD	ACSR Kundah	44.417 (71.617Km. In which 27.2Km belongs to TNEB and 44.417 km belongs to KSEBL)	1989	New (Erstwhile Idukki- Udumalpett commissioned as new element on 10/3/2022). Total length up to Udumalpet end is 71.617Km. In which 27.2Km belongs to TNEB and 44.417 km belongs to KSEBL Single Circuit Line
60	PGCIL Kozhikkode - 220 kV Areacode No I	Malappuram/ LMS Areekode	2KZAR#1	Twin Moose	0.2		
61	PGCIL Kozhikkode - 220 kV Areacode No II	Malappuram/ LMS Areekode	2KZAR#2	Twin Moose	0.225		
62	PGCIL Kozhikkode - 220 kV Areacode No III	Malappuram/LMS Areekode	2KZAR#3	Twin Moose	0.225		
63	Pothencode - New Kattakkada I	TC Thiruvananthapuram	NKPC	Twin Moose	27	2017	
64	Pothencode - New Kattakkada II	TC Thiruvananthapuram	NKPC	Twin Moose	27	2017	
65	Sabarigiri - Ambalamugal	Kalamassery/Kalamassery /TD Pathanamthitta	2 SBAM	ACSR Kundah	123.62	1999	56.30 KM under LMS Kalamassery
66	Sabarigiri - Edamon No.I	TD Pathanamthitta LMS Moozhiyar	2SBEM1	ACSR Kundah	52.89	1978	
67	Sabarigiri - Edamon No.II	Kottarakkara, LMS Edamon	2SBEM II	ACSR Kundah	52.93	1992	
68	Sabarigiri - Edamon No.III	Kottarakkara, LMS Edamon	2SB EM III	ACSR Kundah	52.93	1992	

Table-34 220 kV lines contd..



Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
69	Sabarigiri - Pallom	TD Pathanamthitta LMS Moozhiyar	2SBPL	ACSR Kundah	67.32	1983	
70	Sabarigiri - Theni (Inter state)	TD Pathanamthitta LMS Moozhiyar	2SBTN	ACSR Kundah	106.5 (44.58 in Kerala)	1966	Inter state
71	Shornur - Areacode	LMS 2, Madakkathara & Malappuram/ LMS Areekode	2SHAR	ACSR Kundah	72.53		1) From Loc. 1 to 119 under LMS 2, Madakkathara. 52.767 km from loc 119 to Elenkur SS under LMS Areekode
72	Thaliparamba - Mylatty	TC Kannur, LMS Payyannur & LMS Mylatty	2TAMY	ACSR Kundah	63.39	1998	
73	Vizhinjam-VISL			ACSR Kundah	3.119		
74	North Thrissur HVDC-Malapparamba		2 TRMR	ACCC , Drake	51.29	2021	44.14km Loc. 1 from HVDC Thrissur S/s to Loc. 113/116 under LMS 2, Madakkathara.
75	North Thrissur HVDC- Nallalam		2 TRNL	ACCC , Drake	104.55	2021	
76	Madakkathara-Elappully			ACSR Kundah	82		
77	AMBALAMUGAL -ETTUMANOOR	Kalamassery	2 ET AM	ACSR Kundah	36.8		Newly added on 19/5/2022 (Ettumanoor Substation)
78	PALLOM -ETTUMANOOR	Kalamassery	2 PL ET	ACSR Kundah	20.4		
79	NORTH THRISSUR HVDC - KUNNAMKULAM	LMS Subdivision, Madakkathara	2TRKN	ACCC	34.66	2022	Newly added on 10/2022
80	KUNNAMKULAM - MALAPARAMBA	LMS Subdivision, Madakkathara, LMS Areekode	2KNMR	ACCC Eranad	61.2	2022	Newly added on 10/2022 1) 8.235 km from loc 113/116 to Malaparaba SS under LMS Areekode
81	KANHIRODE - THALASSERY I		2KHTL I	ACSR Panther	31.119	2023	
<b>220kV KSEBL LINE-Total in Ckt.KM</b>					<b>3145.983</b>		
<b>III. 110 kV Lines</b>							
1	Adimaly -Aluva	Thodupuzha / Kothamangalam	1ADAL	ACSR Panther	69	2022	
2	Adimaly-Myloor (Pothanikad)	Thodupuzha/ Muvattupuzha	1ADMY	ACSR Lynx	34.484	1971	
3	KANJIRAPPALLY -MUNDAKKAYAM	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1KJMD	ACSR Wolf	8.81	27.06.2020	
4	KUNNAMANGALAM -CHEVAYOOR	KOZHICODE/TS, Nallalam	1 KGCH	HTLS	12.94		
5	Kuttiady - Kanhirode	KANNUR & Kozhikode / LMS KANNUR II & LMS, Vatakara	1 KUKH	ACSR Wolf	54.3	1997	1)42.64 km from Nadapuram ss to Kanhirode comes under LMS KannurII 2)10.006km from loc 75A at Kuttiady to 109A at Nadapuram SS is under LMS, Vatakara
6	Myloor (Pothanikad)- Muvattupuzha	Thodupuzha/ Muvattupuzha	1MYMV	ACSR Lynx	10.209	1971	
7	Adimaly-kothamangalam	Thodupuzha / Kothamangalam	1ADKM	ACSR Panther	38	2022	
8	Agasthiamoozhy -Thambalamanna	Kozhikode/ Substation thambalamanna	1AGTH	630 Sq mm UG	11.5		
9	Aluva-KWA			UG	3.2		-DC 1.6 km each
10	Ambalappuram - Kottiyam	Kottarakkara, LMS Punalur	1KOAM	ACSR Wolf	18.9		
11	Ambalathara - Cheruvathoor	TC Kannur, LMS Mylatty	1ABCV	ACSR Wolf/Tiger	19.57	2020	
12	Ambalathara - Kanhangad	TC Kannur, LMS Mylatty	1ABKG	ACSR Wolf/Panther	6.23	2020	
13	Anchal - Ayoor	Kottarakkara, LMS Punalur	1ANAY	ACSR Wolf	9	2020	upgraded
14	Angamaly - Kurumassery	Thrissur/ Angamaly	1KRAN	ACSR Wolf	8.68		

Table-34 110 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
15	ARANGOTTUKARA- PATTAMBI	Palakkad/ Shornur	1 AGPT	AAAC+ ACSR Wolf	5.9	2017	2.8 kM AAAC and 3.1 kM ACSR Wolf
16	Areacode - Keezhissery No.I	Malappuram/ LMS Areekode	1 ARKI #1	ACSR Wolf	9.2		
17	Areacode - Keezhissery No.II	Malappuram/LMS Areekode	1 ARKI #2	ACSR Wolf	9.2		
18	Aroor - Mattanchery			ACSR Wolf	9.2		
19	Aroor - Thykkattussery			ACSR Wolf	15.6		
20	Attingal - Paripally No.I	TC Thiruvananthapuram	ATPA	ACSR Wolf	15.3	2008	
21	Attingal - Paripally No.II	TC Thiruvananthapuram	ATPA	ACSR Wolf	15.3	2008	
22	Autocast (SILK) - SL Puram			ACSR Wolf	1.7		
23	Ayarkunnam - MRF	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1MRAY	ACSR Wolf	5.02		
24	Ayathil - GIS Kollam UG	TC Kottarakkara	1AYKL	UG Cable	3.75	2017	
25	Ayyampuzha - Chalakudy	Thrissur/ Chalakudy LMS	1APCH	ACSR Wolf	14.84		
26	Azhikode - WIPL	TC Kannur/LMS Payyannur	1AZWIP	ACSR Wolf	0.23		
27	Bilievers Church - Thrikodithanam	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1TNBC	ACSR Wolf	4.72		
28	Brahmapuram - FACT (CD) No.I	Kalamassery	1 BR FA I	ACSR Wolf	3.1	1999	
29	Brahmapuram - FACT (CD) No.II	Kalamassery	1 BR FA II	ACSR Wolf	3.1	1999	
30	Brahmapuram - Kadavanthara	Kalamassery	1BRKV	ACSR Wolf+UG	10.77	2004	
31	Brahmapuram - Kandanad	Kalamassery	1 BR KN	ACSR Wolf	12.1	2001	
32	Brahmapuram - KINFRA No.I	Kalamassery	1 BR KF I	ACSR Wolf	1.85	1999	
33	Brahmapuram - KINFRA No.II	Kalamassery	1 BR KF II	ACSR Wolf	1.85	1999	
34	Brahmapuram - New Vyttila	Kalamassery	1 BR NV	ACCC Copenhagen+ UGC	7.776	2004	
35	Brahmapuram - Vaikom	Kalamassery	1 BR VK	ACSR Wolf	29.64	2004	
36	Chakkittappara - Nadapuram	Kozhikode/ LMS Vatakara	1CKND	ACSR Wolf	20.969		
37	Chalakkudy - Puthukkad	Thrissur/Chalakudy	1CHPD	ACSR Wolf	16.39	2015	
38	Chalakkudy -Mala	Thrissur/Chalakudy	1CHMA	AL-59	13.371		
39	Chalakudy - Angamaly	Thrissur/ Angamaly	1ANCH	ACSR Wolf	21.426		
40	Chalakudy - Carborandum	Thrissur/ Angamaly	1 CBCH	ACSR Wolf	6.447		
41	Chalakudy - Kodakara	Thrissur/ Chalakudy	1CHKA	ACSR Wolf	7.2		
42	Chalakudy - Traction S/s, Chalakudy	Thrissur/Chalakudy	1CHTR	ACSR Wolf	2.3		
43	Chalakudy-Kodungalloor	Thrissur/Chalakudy	1CHKD	AL-59	21	2019	
44	Chavara - Kavanad No.I	Kottarakkara/Kundara	1CHKVI	ACSR Wolf	9.1	1993	
45	Chavara - Kavanad No.II	Kottarakkara/Kundara	1CHKVII	ACSR Wolf	9.1	1993	
46	Chavara - KMML	Kottarakkara/Kundara	1CHKM	ACSR Wolf	4.1	1993	
47	Chelari - Parappanangadi	Malappuram/TS Malappuram	1CLPR	ACSR Wolf	15.86	2018	
48	Chemberi - Mattannur	KANNUR / LMS KANNUR II	1 CMMT	ACSR Wolf	31.819	13.05.2020	10.289km from 29 to Mattannur SS comes under LMS1,Kannur
49	Chengalom- Punnapra			ACSR Wolf	29.4		
50	Chengannoor - Bilievers Church	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1BLCG	ACSR Wolf	12.55		

Table-34 110 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
51	Edappon-Chengannur No.I	Alappuzha/Edappon	1EPCGI	ACSR Wolf	11.38	1954	Feeder name may be corrected as Edappon-Chengannur No.I
52	Edappon-Chengannur No.II	Alappuzha/Edappon	1EPCGII	ACSR Wolf	11.38	1954	Feeder name may be corrected as Edappon-Chengannur No.II
53	Cherai - North paravur	Kalamassery	1 CH NP	ACSR Wolf	8.08	2020	
54	Cherpu - Irinjalakuda	Thrissur/LMS Viyyur	1CRIJ	ACSR Wolf	19	2005	
55	Cheruvathur - Traction Cheruvathur SC UG	110kV SS Cheruvathur	1 CVTR	110kV XLPE UG Cable	2.308	2017	
56	Chevayur - GIS, Gandhiroad	TC Kozhikode	1 CHGD	110kV 630 Sq mm XLPE UG CABLE	6.005	2019	
57	Chevayur -Meppayur	Kozhikode /TS, Nallalam & LMS, Vatakara	1 CHMP	HTLS	33.614		1) 6.45km from loc 23X at Chevayur and 46A at Kakkody is under Trans, Section, Nallalam 2)27.164km from loc 46A at Kakkody to 73/13 at Meppayur SS is under LM Section, Vatakara
58	Chovva-Traction S/s, Kannur South	TC Kannur/ 110kV SS Chovva	1CHKN-TR	110kV XLPE UG CABLE	0.85	2016	
59	Edamon - Ambalappuram	Kottarakkara, LMS Punalur	1EMAM	ACSR Wolf	29		EMKD charged at 1970, tap to Ambalappuram line commissioned at 2000.
60	Edamon - Anchal	Kottarakkara, LMS Punalur	1EMAN	ACSR Wolf	12	2019	upgraded
61	Edamon - Ayoor	Kottarakkara, LMS Punalur	1EMAY	ACSR Wolf	21	2020	upgraded
62	Edamon - Kilimanoor	TC Thiruvananthapuram	EMKI	ACSR Wolf	33.9	1998	
63	Edamon - Paruthippara	TC Thiruvananthapuram	1EMPP	ACSR Wolf	54	1978	
64	Edamon - Punalur No.I	Kottarakkara, LMS Edamon	1EMPNI	ACSR Wolf	9.89	2002	
65	Edamon - Punalur No.II	Kottarakkara, LMS Edamon	1EMPNI	ACSR Wolf	9.89	2002	
66	Edappal - Kuttippuram	Malappuram/TS Malappuram	1EPKU	ACSR Wolf	24.48	200	
67	Edappal - Ponnani	Malappuram/TS Malappuram	1EPPO	ACSR Wolf	10.34	2003	
68	Edappally - Kaloor	Kalamassery	1EPKA	ACSR Wolf	4.43	1993	
69	Edappon - Kayamkulam	Alappuzha/Edappon	1EPKY	ACSR Wolf	18	1999	
70	Edappon - Kundara	Kottarakkara and Alappuzha/Kundara and Edappon	1EPKD	ACSR Wolf	31	1954	Edappon Kundara Tap at Sasthamcotta. Portion from Kundara to Sasthamcotta before tap under LMS,Kundara
71	Edappon - Mavelikkara	Alappuzha/Edappon	1EPMV	ACSR Wolf	14	1999/2010	LILo portion from Vathikulam to Mavelikkara Substation commissioned during 2009
72	Edappon - Pathanamthitta No.I	TD Pathanamthitta LMS Pathanamthitta	1EPPT1	ACSR Wolf	22.53	1998	
73	Edappon - Pathanamthitta No.II	TD Pathanamthitta LMS Pathanamthitta	1EPPT2	ACSR Wolf	22.53	1998	
74	Edappon - Sasthamkotta	Alappuzha/Edappon	1EPST	ACSR Wolf	17.117	1954	
75	Edarikode - Tirur I	Malappuram/Malppuram	1EDTI I	AAAC	11.68	2002	
76	Edarikode - Tirur II	Malappuram/Malppuram	1EDTI II	AAAC	11.68	2020	
77	Edathala -Aluva	Thodupuzha / Kothamangalam	1ETAL	ACSR Panther	4	2021	
78	Edayar - Binani Zinc No.I	Kalamassery	1 ED BN I	ACSR Wolf	1.85	1965	
79	Edayar - Binani Zinc No.II	Kalamassery	1 ED BN II	ACSR Wolf	1.85	1965	
80	Edayar - Cherai	Kalamassery	1 ED CH	ACSR Wolf	16.12	2020	
81	Edayar - North Paravur	Kalamassery	1 ED NP	ACSR Wolf	9.6	2005	

Table-34 110 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
82	Eramalloor -Chellanam		1EMCL	Acsr wolf	11.283		
83	Elankur-Malappuram	Malappuram/TS Malappuram	1ENML	A159+ACSR Wolf	12.24	2020	
84	Elankur-Nilambur	Malappuram/TS Malappuram	1ENNI	ACSR Wolf	22.05	2021	New
85	Erattupetta - Pala	Poovanthuruthu	1ERPA	ACSR Wolf	15.9		
86	Erumeli - Mundakkayam	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1 EEMMD	ACSR Wolf	17.62	2018	
87	Ettumanoor-Kuravilangad	POOVANTHURUTHU/PALA	1ETKV	ACSR Panther	8.67		New
88	ETTUMANOOR-VAIKOM	POOVANTHURUTHU/PALA	1ETVK	ACSR PANTHER	28.85		28.85
89	Guruvayur - Kandassankadavu	Thrissur/LMS Viyyur	1GVKK	ACSR Wolf	16.25	2004	Corrected the length to 16km instead of 16.3 km
90	Idamalayar - Ayyampuzha	Thrissur/ Angamaly	1IMAP	ACSR Wolf	33.457		
91	Idamalayar - Malayattoor	Thrissur/ Angamaly	1IMMA	ACSR Wolf	33.524		
92	Irinjalakuda -Kodungallur	Thrissur / LMS Chalakudy	1IJKD	ACSR Panther	15.069	2022	Existing Kattoor-Irinjalakuda is split into two new feeders namely Irinjalakuda- Kodungalloor and Kattoor- Kodungalloor.
93	Kadavanthara - Traction S/s, Kadavanthara		KVTR	UG Cable	0.15		
94	Kadavanthara - Willington Island No.I	Kalamassery	KVWI #1	UG Cable + ACSR Wolf	2.11	2010	1.41 +0.7OH
95	Kadavanthara - Willington Island No.II	Kalamassery	KVWI II	UG Cable + ACSR Wolf	2.11	2010	1.41 +0.7OH
96	Kakkad - Karikkayam	TD Pathanamthitta LMS Pathanamthitta	1KAKM	ACSR Wolf	9.742	2013	
97	Kakkad - Pathanamthitta	TD Pathanamthitta LMS Pathanamthitta	1KAPT	ACSR Wolf	28.405	1991	
98	Kakkayam - Chakkittappara	Kozhikode & LMS, Vatakara	1KKCK	ACSR Wolf	10.557		
99	Kakkayam - Kinaloor	Kozhikode & TS, Nallalam	1KKKI	HTLS	12	1970	
100	Kakkayam - Kuttiady	Kozhikode & LMS, Vatakara	1KKKU	ACSR Wolf	21.689		
101	Kalamassery - Aroor	Kalamassery	1 KL AR	ACSR Wolf+UG	23.5	2001	
102	Kalamassery - Brahmapuram No.I	Kalamassery	1 KL BR I	ACSR Wolf	11.6	2004	
103	Kalamassery - Brahmapuram No.II	Kalamassery	1 KL BR II	ACSR Wolf	11.6	2004	
104	Kalamassery - Brahmapuram No.III	Kalamassery	1 KL BR III	ACSR Wolf	10.94	2004	
105	Kalamassery - Brahmapuram No.IV	Kalamassery	1 KL BR IV	ACSR Wolf	10.94	2004	
106	Kalamassery - Carborandum	Thrissur/ Angamaly	1KLCB	ACSR Wolf	36.498		
107	Kalamassery - Edappally	Kalamassery	1 KL EP	ACSR Wolf	7	1993	
108	Kalamassery - Edayar No.I	Kalamassery	1 KL ED I	ACSR Wolf	4.2	1968	
109	Kalamassery - Edayar No.II	Kalamassery	1 KL ED II	ACSR Wolf	4.2	1968	
110	Kalamassery - FACT (UD) No.I	Kalamassery	1 KL FA I	ACSR Wolf	5.2	1960	
111	Kalamassery - FACT (UD) No.II	Kalamassery	1 KL FA II	ACSR Wolf	5.2	1960	
112	Kalamassery - Kaloar	Kalamassery	1 KL KA	ACSR Wolf	11.39	1993	
113	Kalamassery - Kizhakambalam	Thodupuzha/ Muvattupuzha	1KLKZ	ACSR LYNX	10.523	1971	
114	Kalamassery - Kurumassery	Thrissur/ Angamaly	1KLKR	ACSR Wolf	22.235		
115	Kalamassery - Moovattupuzha	Thodupuzha/ Muvattupuzha	1KLMV	ACSR LYNX	26.12	1971	
116	Kalamassery - Panangad	Kalamassery	1 KL PA	ACSR Wolf +UG	17	2001	
117	Kalamassery - Perumbavoor	Thrissur/ Angamaly	1KLPM	ACSR Wolf	19.868		

Table-34 110 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
118	Kalamassery - Vyttila	Kalamassery	1KL VT	ACSR Wolf	11.58	1979	
119	Kalamassery-Kochi Metro-I	Kalamassery	1KLMT#1	630 Sq.mm UG cable	3.2	2016	
120	Kalamassery-Kochi Metro-II	Kalamassery	1KLMT#2	630 Sq.mm UG cable	3.2	2016	
121	Kalamassery-Malayatoor	Thrissur/ Angamaly	1KLMA	ACSR Wolf	26.284		
122	Kalladikode - Mannarkkad	Palakkad/ Palakkad	1KLMN	ACSR Wolf	14		
123	Kaloor- Ernankulam North UG I	Kalamassery	1KAEK1	UG	4.1	2017	
124	Kaloor- Ernankulam North UG II	Kalamassery	1KAEK2	UG	4.1	2016	
125	Kandanad - Vaikom	Kalamassery	1 KN VK	ACSR Wolf	18	2001	
126	Kandassankadav - Valappad	Thrissur/LMS Viyyur	1VAKK	ACSR Wolf	12.9	2018	Corrected the name of feeder as Kandasankadavu-Valappad instead of Valappad-Kandasankadavu.
128	Kanhirode - Mundayad No.I	KANNUR/ LMS KANNUR-II	KHMU #I	ACSR Wolf	9.55	1998	
129	Kanhirode - Mundayad No.II	KANNUR/ LMS KANNUR-II	KHMU# II	ACSR Wolf	9.55	1998	
130	Kanhirode - Sreekantapuram	KANNUR/ LMS KANNUR-II	KHSK	ACSR Wolf	20.9	2019	8.411km line from Kanhirode SS to loc 29 comes under LMS1,Kannur
131	Kanjikode - Saint Gobain	Palakkad/Palakkad	1KJSG	ACSR MINK	1.1		
132	Kanjirappally - Erumeli	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1 KJEM	ACSR Wolf	11.814	2017	
133	Karikkayam - Maniyar	TD Pathanamthitta LMS Pathanamthitta	1KMMN	ACSR Wolf	3.243	2013	
134	Kattakkada - Parassala No.I	TC Thiruvananthapuram	KKPR	ACSR Wolf	18.98	2000	
135	Kattakkada - Parassala No.II	TC Thiruvananthapuram	KKPR	ACSR Wolf	18.98	2000	
136	Kattakkada - Thirumala No.I	TC Thiruvananthapuram	KKTH	ACSR Wolf	9.24	1999	
137	Kattakkada - Thirumala No.II	TC Thiruvananthapuram	KKTH	ACSR Wolf	9.24	1999	
138	Kazhakkuttam - Traction S/s, Kazhakkuttam	TC Thiruvananthapuram	KZTR	ACSR Wolf	0.854	2005	UG Cable Work in progress
139	Kazhakkuttam - TERLS No.I	TC Thiruvananthapuram	KZTE	ACSR Wolf	4.53	2004	
140	Kazhakkuttam - TERLS No.II	TC Thiruvananthapuram	KZTE	ACSR Wolf	4.53	2004	
141	Keezhissery - Malappuram No.I	Malappuram/TS Malappuram, LMS Areekode	1KIML I	ACSR Wolf	17.61	1972	1) 1.96 km from Kizhisheri ss to loc 7 under LMS Areekode 2)15.65km under TS Malappuram
142	Keezhissery - Malappuram No.II	Malappuram/TS Malappuram LMS Areekode	1KIML II	ACSR Wolf	17.61	1972	1) 1.96 km from Kizhisheri ss to loc 7 under LMS Areekode 2)15.65km under TS Malappuram
143	Kilimanoor - Paruthippara	TC Thiruvananthapuram	1KIPP	ACSR Wolf	39.9	1998	
144	Kinaloor - Chevayoor	kozhiode / T S Nallalam	1 KICH	HTLS	26.88	1970	
145	Kizhakambalam - Moovattupuzha	Thodupuzha/ Muvattupuzha	1KZMV	ACSR LYNX	17.22	1971	
146	Kodimatha -Punnapra			ACSR Wolf	27.05		
147	Kodungalloor -Kattoor	Thrissur/LMS Chalakudy and Viyyur	1KDKA	ACSR Panther /ACSR Wolf	21.365	2022	Existing Kattoor-Irinjalakuda split into Irinjalakuda- Kodungalloor and Kattoor-Kodungalloor. Feeder from kattoor to Irinjalakuda S/s maintained by LMS Viyyur and remaining portion ie. Irinjalakuda to Kodungallur maintained by LMS Chalakudy
148	Koduvally - Kakkayam	T C KOZHICODE/ TS, Nallalam	1KDKK	HTLS	23.45	1970	
149	Kollengode - Nenmara	Palakkad/Palakkad	1KENM	ACSR Wolf	19.17	2021	

Table-34 110 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
150	Kollengode - Vadakkenchery	Palakkad/Palakkad	1KEVD	ACSR Wolf	35.986	2021	
151	Koottanad - Edappal	Palakkad/Shoranur	1KOEK	AAAC	15.26	2000	
152	Kothamangalam -Edathala	Thodupuzha / Kothamangalam	1KMET	ACSR Panther	30	2021	
153	Kothamangalam-Koothattukulam	POOVANTHURUTHU/PALA	1KMCK	ACSR Wolf	21.84		New
154	Kottarakkara - Kundara	Kottarakkara, LMS Punalur	1KTKD	ACSR Wolf	13.52	2016	
155	Kottiyam - Kundara	Kottarakkara, LMS Punalur	1KOKD	ACSR Wolf	16.96	2016	
156	Koyilandy -Vadakara	Kozhikode/LMS, Vatakara	1QLVD	ACSR Wolf/Tiger	24.946		
157	Kozhenchery - Ranni	TD Pathanamthitta LMS Pathanamthitta	1KZRA	ACSR Wolf	13.4	2001	
158	Kozhinjampara - Kollengode	Palakkad/Palakkad	1KZKE	ACSR Wolf	24.28		
159	Kubanur - Traction Uppala	TC Kannur/110kV SS Kubanur	1KBUP-TR	110kV XLPE UG cable	5.5	24.12.20217	
160	Kundara - Ayathil No.I	Kottarakkara/Kundara	1KDAY-1	AAAC	13	2009	
161	Kundara - Ayathil No.II	Kottarakkara/Kundara	1KDAY-2	AAAC	13	2009	
162	Kundara - Chavara	Kottarakkara/Kundara	1KDCH	ACSR Wolf	26.2		
163	Kundara - Parippally No.I	Kottarakkara/Kundara	1KDPA-1	ACSR Wolf	24	2013	
164	Kundara - Parippally No.II	Kottarakkara/Kundara	1KDPA-2	ACSR Wolf	24	2013	
165	Kundara - Perinadu	Kottarakkara/Kundara	1KDPR	ACSR Wolf	8.4	2016	
166	Kundara - Traction	Kottarakkara/Kundara	1KDTR	ACSR Wolf	8.94	2007	Tap at Traction Perinadu to Perinadu Sybstation
167	Kundara-Technopark	Kottarakkara/Kundara	1KDTP	UG	2.1	2015	
168	Kunnamangalam - Agasthiamoozhy No.I	KOZHICODE/TS, Nallalam	1KGAG I	Wolf+ Panther	9.68	2004	
169	Kunnamangalam - Agasthiamoozhy No.II	KOZHICODE/TS, Nallalam	1KGAG II	Wolf+ Panther	9.68	2004	
170	Kunnamangalam - Koduvally	T C KOZHICODE/TS, Nallalam	1KGKD	HTLS	8.24	1970	
171	Kunnamangalam - Kuttikkattoor	KOZHICODE/TS, Nallalam	1KGKT	ACSR Wolf	5.6	2021	
172	Kunnamkulam - Guruvayur	Thrissur/LMS Viyyur	1KNGV	ACSR Wolf	5.873	2005	
173	Kunnamkulam - Punnayurkulam No.I	Thrissur/LMS Viyyur	1KNPN-1	AAAC 150 Sq mm	15.18	2005	
174	Kunnamkulam - Punnayurkulam No.II	Thrissur/LMS Viyyur	1KNPN-2	AAAC 150 Sq mm	15.18	2005	
175	Kunnamkulam -Kandassankadavu	Thrissur/LMS Viyyur	1KNKK	ACSR Wolf	18.4	2022	1ATKK feeder splitted into Two feeders 1KNKK & 1KNAT since 2022
176	Kunnamkulam-Athani	Thrissur/LMS Viyyur	1KNAT	ACSR Wolf	18.27	2022	1ATKK feeder splitted into Two feeders 1KNKK & 1KNAT since 2022
177	Kuravilangad-Vaikom	POOVANTHURUTHU/PALA	1KVVK	ACSR Panther	17.87		Upgraded from 66kV to 110 kV
178	Kuthuparamba - Valiavelicham	LMS1 KANNUR	1KPVL	ACSR Wolf	8.356	2018	
179	Kuthuparamba-Kanhirode	KANNUR / LMS KANNUR II	1 KPKH	ACSR Wolf	23.7	2015	
180	Kuthupramba - Nedumpoil	LMS1 KANNUR	1KPNE	ACSR Wolf	18.936	2019	
181	Kuttiapuram - Tirur	Malappuram/Malappuram	1KUTI	ACSR Wolf	20.73	2002	
182	Madakkathara - Athani	Thrissur/LMS Viyyur	1MDAT	ACSR Wolf	10.9	2003	
183	Madakkathara - Cherpu	Thrissur/LMS Viyyur	1MDCE	ACSR Wolf	19	2000	
184	Madakkathara - Kunnamkulam	Thrissur/LMS Viyyur	1MDKN	ACSR Wolf	27.39	2004	
185	Madakkathara - Ollur	Madakkathara-Ollur/ thrissur_ lms chalakudy	1MDOL	ACSR Wolf	15.7	2001	
186	Madakkathara - Shornur	Palakkad/Shoranur	1MDSH	ACSR Wolf	30.28	1971	

Table-34 110 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
187	Madakkathara - Viyyur No.I	Thrissur/LMS Viyyur	1MDVI-1	ACSR Wolf	10.2	1997	
188	Madakkathara - Viyyur No.II	Thrissur/LMS Viyyur	1MDVI-2	ACSR Wolf	10.2	1997	
189	Madakkathara - Wadakkanchery	Palakkad/Shoranur	1MDWD	ACSR Wolf	15.09		
190	Madakkathara-Mannuthy	Madakkathara-Mannuthy/thrissur-lms chalakudy	1MDMN	ACSR Wolf	5.918		
191	Madakkathara-Valapad	Thrissur/LMS Viyyur	1MDVA	ACSR Wolf	28.102	2000	
192	Mala - Kodungallur	Thrissur/Chalakudy	1MAKD	AL 59	7.858	2019	
193	Malampuzha - Kalladikode	Palakkad/Palakkad	1MAKL	ACSR Wolf	19.25		
194	Malaparamba - Koppam	Malappuram/TS Malappuram	1MRKP	Tiger	9.53	1972	
195	Malaparamba - Kuttippuram No.I	Malappuram/TS Malappuram	1MRKU I	ACSR Wolf	16.5	2014	
196	Malaparamba - Kuttippuram No.II	Malappuram/TS Malappuram	1MRKU I	ACSR Wolf	16.5	2014	
197	Malaparamba - Malappuram No.I	Malappuram/TS Malappuram	1MRML I	ACSR Wolf	14.05	1972	
198	Malaparamba - Malappuram No.II	Malappuram/TS Malappuram	1MRML II	ACSR Wolf	14.05	1972	
199	Malaparamba - Mankada	Malappuram/TS Malappuram	1MRMA	ACSR Wolf	26.05	2021	
200	Malaparamba - tap Melattur Mankada	Malappuram/TS Malappuram	1MRMA-T-ME	ACSR Wolf	4.95	2006	Line under upgradation to 110kV , 13.9 km from tap point of Mankada to Melattur
201	Malaparamba - Shornur	Palakkad/Shoranur	1MRSH	ACSR Tiger	24	1972	upto 9.53 KM comes under TS Malappuram
202	Malaparamba-Perinthalmanna	Malappuram/TS Malappuram	1MRPT	ACSR Wolf	23.32	2017	
203	Malappuram - Edarikode I	Malappuram/TS Malappuram	1MLED I	AAAC	13.52	2017	
204	Malappuram - Edarikode II	Malappuram/TS Malappuram	1MLED II	AAAC	13.52	2017	
205	Malappuram - Manjeri	Malappuram/TS Malappuram	1MLMJ	AL 59 + ACSR Wolf	13.91	2018	
206	Malayattoor - Rayonpuram	Thrissur/ Angamaly	1MARY	ACSR Wolf	10.674		
207	Mallappally - Chengannoor	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1MPCG	ACSR Wolf	21.16		
208	Mangad - Azhikode	TC Kannur/LMS Payyannur	1MGAZ	ACSR Wolf	14.2	2011	
209	Maniyar - Pathanamthitta	TD Pathanamthitta LMS Pathanamthitta	1MNPT	ACSR Wolf	17.82	1994	
210	Manjeri - Elamkur	Malappuram/TS Malappuram	1ENMJ	ACSR Wolf	4.73	2020	
211	Manjeswaram - Konaje (Inter state)	TC Kannur/LMS Mylatty	1KOMJ	ACSR Wolf	13.9 (8.15 in Kerala)	TC	,
212	Manjeswaram -Kubanur	TC Kannur/LMS Mylatty	1MJKB	ACSR Wolf	12.6		
213	Mankavu- West Hill	TC KOZHIKODE/TS, Nallalam	1MNWH	HTLS	15.33		
214	Mannuthy- Kodakara	Thrissur/ Chalakudy	1MNKA	ACSR Wolf	18.524	21.05.2021	
215	MARADY-KOOTHATTUKULAM	POOVANTHURUTHU/PALA	1MRKK	ACSR Wolf	9.36		
216	Marady-Kothamangalam	POOVANTHURUTHU/PALA	IKMMR	ACSR Wolf	12.4		
217	Mattanchery - Chellanam		1MHCL	ACSR Wolf	11.1		
218	Mattannur - Iritty No.I	LMS1 KANNUR	1MTIR 1	ACSR Wolf	12.95	2012	
219	Mattannur - Iritty No.II	LMS1 KANNUR	1MTIR 2	ACSR Wolf	12.95	2010	
220	Mavelikkara - Kayamkulam	Alappuzha/Edappon	1MVKY	ACSR Wolf	14	1999/2010	LILO portion from Vathikulam to Mavelikara Substation commissioned during 2009
221	Pallom-MRF	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1PLMR	ACSR Wolf	8.62		

Table-34 110 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
222	Mundayad - Azhikode	TC Kannur/	1MUAZ	Tiger	13.3		Transgrid work Under progress
223	Mundayad - Chovva I	LMS1 KANNUR	1MUCH 1	ACSR Wolf	3.132	2009	
224	Mundayad - Chovva II	LMS1 KANNUR	1MUCH 2	ACSR Wolf	3.132	2010	
225	Mundayad - Pinarayi	KANNUR/ LMS KANNUR II	1 MUPI	Tiger	11.3		Transgrid work Under progress
226	Mylatty - Kanhangad	TC Kannur/LMS Mylatty	1MYKG	ACSR Wolf/Panther	14.8	1997	Upgraded under transgrid works.
227	Mylatty - Vidyannagar	TC Kannur/LMS Mylatty	1MYVD	ACSR Wolf/Tiger	11.9	11.08.1974	
228	Nadapuram-Kuthuparamba	KANNUR / LMS KANNUR II	1 NDKP	ACSR Wolf	35	2015	
229	Nallalam - Chelari	Kozhikode/TS Malappuram, LMS Areekode & TS Nallalam	1NLCL	ACSR Wolf	20.83		1)Only 8.51 km comes under TS Malappuram , 2) 4.75km from loc 1 at Nallalam to loc 15 at Chaliyar is under Trans. Scetion, Nallalam 3) 7.323 km from loc 16 to 36 under LMS Areekode
230	Nallalam - Chevayur No.I	KOZHICODE / T S NALLALAM	1 NLCH 1	HTLS	7.16	1960	
231	Nallalam - Chevayur No.II	KOZHICODE / T S NALLALAM	1 NLCH 2	HTLS	6.84	1970	
232	Nallalam - Keezhissery	KOZHICODE / T S NALLALAM, LMS Areekode	1NLKI	ACSR Wolf	20.4		1) 4.75km from loc 1 at Nallalam to loc 15 at Chaliyar is under Trans. Scetion, Nallalam 2) 16.974 km from loc 16 to Kizhisheri SS under LMS Areekode
233	Nallalam - Steel Complex	Kozhikode/ TS,Nallalam	1NLSC	Tiger	0.79		
234	Nallalam-Chevayur NO.III	KOZHICODE / T S NALLALAM	1 NLCH 3	HTLS	6.84		
235	Nenmara - Vadakkenchary	Palakkad/Palakkad	1NMVD	ACSR Wolf	17.11	2021	
236	Neriamangalam - Adimali	Thodupuzha/ Muvattupuzha	1NRAD	ACSR Lynx	10.237	1971	
237	Neriamangalam - Kuthungal No.I	TC Thodupuzha/LMS Vazhathoppu	1NRKU1	ACSR Wolf	16.827	2001	
238	Neriamangalam - Kuthungal No.II	TC Thodupuzha/LMS Vazhathoppu	1NRKU2	ACSR Wolf	16.827	2001	
239	Neriamangalam - Moovattupuzha	Thodupuzha / Muvattupuzha	1NRMV	ACSR Lynx	54.93	1971	
240	Neriamangalam - MUTTOM	POOVANTHURUTHU	1MUNR	ACSR Wolf	25.6		EARLIER LINE WAS NERIAMANGALAM-PALA, NOW LILO AT MUTTOM
241	Neriamangalam - Sengulam	Thodupuzha/ Muvattupuzha	1NRSG	ACSR Lynx	11	1971	
242	New Kattakada-Aruvikkara	TC Thiruvananthapuram	1NKAV I	ACSR Wolf	10.4	1998	
243	New Kattakada-Kattakada I	TC Thiruvananthapuram	1NKKK I	ACSR Wolf	2.739	2017	
244	New Kattakada-Kattakada II	TC Thiruvananthapuram	1NKKK II	ACSR Wolf	2.739	2017	
245	New Kattakada - Balaramapuram No.I	TC Thiruvananthapuram	NKBL	KUNDAH	10.2	2020	
246	New Kattakada - Balaramapuram No.II	TC Thiruvananthapuram	NKBL	KUNDAH	10.2	2020	
247	New vytila-Kochi Metro I	Kalamassery	1 NV-MT I	UG Cable 630sqmm	0.205	2019	
248	New vytila-Kochi Metro II	Kalamassery	1 NV-MT II	UG Cable 630sqmm	0.147	2019	
249	New Vytila - Kadavanthara	Kalamassery	NVKV	ACSR Wolf	3.47	2004	
250	Neyyattinkara - Balaramapuram No.I	TC Thiruvananthapuram	NYBL	ACSR Wolf	3.81	2020	
251	Neyyattinkara - Balaramapuram No.II	TC Thiruvananthapuram	NYBL	ACSR Wolf	3.81	2020	
252	Nilambur-Edakkara	Malappuram/TS Malappuram	1NIEK	ACSR Wolf	12.75	2021	New

Table-34 110 kV lines contd..



Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
253	Ollur - Puthukkad	Thrissur/Chalakyady	1OLPD	ACSR Wolf	12.83	2015	
254	Orkatteri - Meppayur	Kozhikode/ LMS, Vatakara	1ORMP	AAAC/ ACSR Wolf	25.214		
255	Orkatteri - Panoor	KANNUR / LMS KANNUR II	1 ORPA	AAAC/ ACSR Wolf	9.064	1994	(1.107 KM AAAC). conversion work completed on 18.03.2016
256	Orkatteri - Pinarayi	KANNUR / LMS KANNUR II	1 ORPI	AAAC/ ACSR Wolf	19.94	2021	(1.107 KM AAAC). conversion work completed on 18.03.2016
257	Orkatteri - Vadakara	Kozhikode/ LMS, Vatakara	1ORVD	AAAC/ ACSR Wolf	8.79		
258	Ottappalam - Cherpulassery No.I	Palakkad/Shoranur	1 OTCR 1	ACSR Wolf	18.95	2004	
259	Ottappalam - Cherpulassery No.II	Palakkad/Shoranur	1 OTCR 2	ACSR Wolf	18.95	2004	
260	Ottappalam - Pazhayannur	Palakkad/Shoranur	1 OTPH	ACSR Wolf	11.2		
261	Ottappalam - Vadakkanchery	Palakkad/Shoranur	1 OTVD	ACSR Wolf	27		
262	Ottappalam - Vennakkara	Palakkad/Shoranur	1 OTVN	ACSR Wolf	28.96	1987	
263	Pala - Ayarkunnam No.I	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1AYPA I	ACSR Wolf	14.5	2010	
264	Pala - Ayarkunnam No.II	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1AYPA II	ACSR Wolf	14.5	2010	
265	Pala- Muttom	POOVANTHURUTHU	1PAMU	ACSR WOLF	12.2	2018	
266	Palakkad - INOX Air		1PKNX	ACSR Wolf	1.2	2019	
267	Palakkad - Kanjikode No.I	Palakkad/Palakkad	1 PKKJ # 1	ACSR Wolf	5.46	2001	
268	Palakkad - Kanjikode No.II	Palakkad/Palakkad	1 PKKJ # 2	ACSR Wolf	5.46	2001	
269	Palakkad - Kollengode	Palakkad/Palakkad	1 PKKE	ACSR Wolf	26.45	2003	
270	Palakkad - Kozhinjampara	Palakkad/Palakkad	1 PKKZ	ACSR Wolf	10.613		
271	Palakkad - Traction I	Palakkad/Palakkad	1 PKTR # 1	ACSR Wolf	3.15	2021	
272	Palakkad - Traction II	Palakkad/Palakkad	1 PKTR # 2	ACSR Wolf	3.15	1995	
273	Palakkad - Vennakkara No.I	Palakkad/Palakkad	1 PKVN # 1	ACSR Wolf	20.865	1995	
274	Palakkad - Vennakkara No.II	Palakkad/Palakkad	1 PKVN # 2	ACSR Wolf	20.865	1995	
275	Palakkad - Walayar No.I	Palakkad/Palakkad	1 PKWL # 1	ACSR Wolf	6.804	1995	
276	Palakkad - Walayar No.II	Palakkad/Palakkad	1 PKWL # 2	ACSR Wolf	6.354	1995	
277	Pallom - Ayarkunnam	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1PLAY	ACSR Wolf	13	2010	
278	Pallom - Chengalam		1PLCN	ACSR Wolf	14.212	1995	
279	Pallom - Kanjirappally	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1PLKJ	ACSR Wolf	29	2015	
280	Pallom - Kodimatha	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1PLKD	ACSR Wolf	4.5		
281	Pallom - Mallappally	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1PLMP	ACSR Wolf	32.23	2000	

Table-34 110 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
282	Pallom - Pambady	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1PLPM	ACSR Wolf	12.5	2019	
283	Pallom - Thrikodithanam	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1PLTN	ACSR Wolf	11.8		
285	Pambady - Kanjirapally	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	1PMKJ	ACSR Wolf	16.8	2020	
286	Panangad - Aroor		1PAAR	ACSR Wolf	6.5		
287	Panniar - Sengulam No.I	Thodupuzha/ Muvattupuzha	1PNSG1	ACSR Wolf	0.5	1971	
288	Panniar - Sengulam No.II	Thodupuzha/ Muvattupuzha	1PNSG2	ACSR Wolf	0.5	1971	
289	Panoor - Mahe No.I	Kannur / LMS Kannur II	1 PAMA# I	ACSR Wolf	2.43	1988	Feeding towards MAHE SS
290	Panoor - Mahe No.II	Kannur / LMS Kannur II	1 PAMA# II	ACSR Wolf	2.43	1988	Feeding towards MAHE SS
291	Parali - Vennakkara	Palakkad/Shoranur	1 PRVN	ACSR Wolf	9.5	1976	
292	Parappanangadi- Keezhissery	Malappuram/ TS Malappuram , LMS Areekode	1PRKI	ACSR Wolf	32.85	2018	1) Upto 25.15KM comes under TS Malappuram. 2) 9.453 km from loc 255/38 to Kizhisheri SS under LMS Areekode
293	Parassala - Kuzhithura (Inter state)	TC Thiruvananthapuram	1KZPR	ACSR Wolf	4.75	1952	
294	Parassala - Neyyattinkara No.I	TC Thiruvananthapuram	PRNY	ACSR Wolf	10.5	2019	
295	Parassala - Neyyattinkara No.II	TC Thiruvananthapuram	PRNY	ACSR Wolf	10.5	2019	
296	Paripally - Varkala No.I	TC Thiruvananthapuram	PAVR	ACSR Wolf	9.8	2007	
297	Paripally - Varkala No.II	TC Thiruvananthapuram	PAVR	ACSR Wolf	9.8	2007	
298	Paruthippara - Medical College No.I	TC Thiruvananthapuram	PPMC	ACSR Wolf	2.87	1998	2.5Km OH and balance UG Cable
299	Paruthippara - Medical College No.II	TC Thiruvananthapuram	PPMC	ACSR Wolf	2.87	1998	2.5Km OH and balance UG Cable
300	Pathanamthitta - Kozhenchery	TD Pathanamthitta LMS Pathanamthitta	1PTKZ	ACSR Wolf	12.5	2001	
301	Pathanamthitta - Ranni	TD Pathanamthitta LMS Pathanamthitta	1PTRA	ACSR Wolf	26	2001	
302	Pathanapuram - Koodal	Kottarakkara, LMS Punalur	1 PTKU	ACSR Wolf	8.279	2013	
303	Pathiripala - Parali	Palakkad/Shoranur	1 PPPR	ACSR Wolf	11.2	1976	
304	Pattambi - Edappal	Palakkad/Shoranur	1 PTEP	AAAC+ ACSR Wolf	23.26	2021	(20.16 kM AAAC and 3.1 kM ACSR Wolf)
305	Payangadi - Ezhimala No.I	TC Kannur/LMS Payyannur	1PGEZ I	ACSR Wolf	7.35	2001	
306	Payangadi - Ezhimala No.II	TC Kannur/LMS Payyannur	1PGEZ II	ACSR Wolf	7.35	2003	
307	Payyannur - Cherupuzha No.I	TC Kannur/LMS Payyannur	1PYCP I	ACSR Wolf	20.8	1998	
308	Payyannur - Cherupuzha No.II	TC Kannur/LMS Payyannur	1PYCP II	ACSR Wolf	20.8	2008	
309	Payyannur - Cheruvathur	TC Kannur/LMS Payyannur	1PYCV	ACSR Wolf+ ACSR Panther	13.64	2002	Upgraded in Transgrid work
310	Pazhayannur - Vadakkanchery	Palakkad/Shoranur	1 PHVD	ACSR Wolf	15.8		
311	Perinadu - Traction Perinadu			ACSR Wolf	1.9		
312	Perinthalmanna-Melattur	Malappuram/TS Malappuram	1PTME	ACSR Wolf	18.27	2021	
313	Pinarayi - Thalassery	KANNUR / LMS KANNUR II	1 PITL	ACSR Wolf	12.477	2021	Upgradation to DC line completed on 04.04.2021
314	Ponnani - Tirur	Malappuram/ TS Malappuram	1POTI	ACSR Wolf	29.03	2000	

Table-34 110 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
315	Poringalkuthu - Chalakudy No.I	Thrissur/Chalakudy	1POCH #1	Tiger/ Panther	32.5		19.5/ 13
316	Poringalkuthu - Chalakudy No.II	Thrissur/Chalakudy	1POCH #2	Tiger / Panther	32.5		19.5 / 13
317	Poringalkuthu - Malayattoor	Thrissur/Chalakudy	1POMA	ACSR Wolf	24.891		out of 24.81km , 6km maintained by LMS Angamaly
318	Poringalkuthu - Sholayar	Thrissur/Chalakudy	1POSH	ACSR Wolf	12.9		
319	Pothencode - Aruvikkara	TC Thiruvananthapuram	PCAV	ACSR Wolf	20.54	1998	
320	Pothencode - Attingal No.I	TC Thiruvananthapuram	PCAT	ACSR Wolf	10.2	2008	
321	Pothencode - Attingal No.II	TC Thiruvananthapuram	PCAT	ACSR Wolf	10.2	2008	
322	Pothencode - Kazhakkattam No.I	TC Thiruvananthapuram	PCKZ	HTLS	8.1	1999	
323	Pothencode - Kazhakkattam No.II	TC Thiruvananthapuram	PCKZ	HTLS	8.1	1999	
324	Pothencode - New Kattakkada	TC Thiruvananthapuram	PCNK	ACSR Wolf	27	1990	
325	Pothencode - Paruthippara No.I	TC Thiruvananthapuram	PCPP	ACSR Wolf	10.39	1997	
326	Pothencode - Paruthippara No.II	TC Thiruvananthapuram	PCPP	ACSR Wolf	10.39	1997	
327	Pothencode - Technocity			630MM2 CABLE	4		
328	Pullazhy- Valappad	Thrissur/LMS Viyyur	1VAPL	ACSR Dog & ACSR Wolf	20.9	2018	Corrected the name of feeder as Pullazhy-Valappad instead of Valapad -Pullazhy. ACSR Dog (From Loc No 1 to 31) & ACSR Wolf ( From Loc No. 31 to Valappad S/s)
329	Punalur - Koodal	Kottarakkara, LMS Punalur	1 PNKU	ACSR Wolf	19.53	2013	
330	Punalur - Kottarakkara	Kottarakkara, LMS Punalur	1 PNKT	ACSR Wolf	20.07	2004	
331	Punalur - Kundara	Kottarakkara, LMS Punalur	1 PNKD	ACSR Wolf	33.585	2015	
332	Punalur - Pathanapuram	Kottarakkara, LMS Punalur	1 PNPT	ACSR Wolf	12.282	2009	
333	Punnapra - Autocast		1PUAC	ACSR Wolf	26.6		
334	Punnapra - Edathua No.I		1PUEH I	ACSR Wolf	15.7		
335	Punnapra - Edathua No.II		1PUEH II	ACSR Wolf	15.7		
336	Punnapra - Traction S/s, Punnapra		1 PUTR	ACSR Wolf	0.47		
337	Punnapra -SL Puram		1 PUSL	ACSR Wolf	27.7		
338	Rayonpuram - Perumbavoor	Thrissur/ Angamaly	1PMRY	ACSR Wolf	1.5	14.11.2022	
339	Sasthamkotta - KMML	Kottarakkara/Kundara	1STKM	ACSR Wolf	18.9		
340	Sengulam - Udumbannoor	POOVANTHURUTHU/PALA	1SGUD	ACSR Wolf	18.5		
341	Sholayar - Chalakudy	Thrissur/Chalakudy LMS	1SHCH	ACSR Wolf	52.764		
342	Shornur - Koottanad	Palakkad/Shoranur	1 SHKO	AAAC	17.86	2000	
343	Shornur - Koppam	Palakkad/Shoranur	1 SHKP	Tiger	14.241	1962	
344	Shornur - Ottappalam	Palakkad/Shoranur	1 SHOT	ACSR Wolf	13.6		
345	Shornur - Pathiripala	Palakkad/Shoranur	1 SHPP	ACSR Wolf	26.3	1976	
346	Shornur - Traction I	Palakkad/Shoranur	1 SHTR # 1	ACSR Wolf	4.98	1998	
347	Shornur - Traction II	Palakkad/Shoranur	1 SHTR # 2	ACSR Wolf	4.98	2020	
348	Shornur -Arangottukara	Palakkad/Shoranur	1 SHAG	AAAC	9.2	2017	
349	SL Puram - Eramalloor		1SLEM	ACSR Wolf	23.16		
350	Sreekantapuram - Chemberi	KANNUR / LMS KANNUR II	1 SKCM	ACSR Wolf	10.398	13.05.2020	
351	Tap No.I to Aluva from KLCB feeder	Kalamassery	1 KL CB-T-AL-I	ACSR Wolf	2	1964	
352	Tap No.I to BSES from KLKA feeder	Kalamassery	1 KL EP-T-BSES-II	ACSR KUNDAH	1.3	1993	
353	Tap No.I to CIAL from KLCB feeder	Thrissur/Angamaly LMS		ACSR Wolf	1.81		
354	Tap No.I to CSEZ from KLBR No.I feeder	Kalamassery	1 KL BR-T-CS-I	ACSR Wolf	0.05	2004	

Table-34 110 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
355	Tap No.I to HNL from BRVK feeder	Kalamassery	1 BR VK-T-HNL-I	ACSR Wolf	8.7	1981	
356	Tap No.I to IAC from KLED No.I feeder	Kalamassery	1 KL EDI-T-IAC- I	ACSR Wolf	0.05	2001	
357	Tap to Kazhakkuttom Technopark from 1KZTE		1KZTE -T- Technopark	ACSR Wolf	0.05		
358	Tap No.I to Nedumangad from PCAV feeder			ACSR Wolf	0.2		
359	Tap No.I to Piravam from HNL Tap No.I	Kalamassery	1 BR VK-T-HNL-T-PI-I	ACSR Wolf	7.7	1981	
360	Tap No.I to Rubber Park from KLMV feeder	Thodupuzha/Muvattupuza	1KLMV#1-T-IR#1	ACSR Wolf	2.1	2003	
361	Tap No.I to TCC from KLFA No.I feeder	Kalamassery	1 KL FA I-T-TCC I	ACSR Wolf	0.8	1975	
362	Tap No.II to Aluva from KLKR feeder	Kalamassery	1 KL KR-T-AL-II	ACSR Wolf	2	1964	
363	Tap No.II to CIAL from CHAN feeder	Thrissur/Angamaly LMS		ACSR Wolf	1.81		
364	Tap No.II to CSEZ from KLBR No.II feeder	Kalamassery	1 KL BR II-T-CS II	ACSR Wolf	0.05	2004	
365	Tap No.II to HNL from KNVK feeder	Kalamassery	1 KN VK -T-HNL II	ACSR Wolf	8.7	1981	
366	Tap No.II to IAC from KLED No.II feeder	Kalamassery	1 KL ED II-T-IAC II	ACSR Wolf	0.05	2001	
367	Tap No.II to Nedumangad from PCKK feeder			ACSR Wolf	0.2		
368	Tap No.II to Piravam from HNL Tap No.II	Kalamassery	1BR VK-T-HNL-T-PVM	ACSR Wolf	7.7	1981	
369	Tap No.II to Rubber Park from KZMV feeder	Thodupuzha/ Muvattupuzha	1KLKZ#2-T-IR#2	ACSR Wolf	2.1	1987	
370	Tap No.II to TCC from KLFA No.II feeder	Kalamassery	1 KL FA II-TCC II	ACSR Wolf	0.8	1975	
371	Tap No.III to BSES from KLED No.I feeder	Kalamassery	1 KL ED I-T-BSES-III	ACSR KUNDAH	0.8	1999	
372	Tap No.IV to BSES from KLED No.II feeder	Kalamassery	1 KL ED II-T-BSES-IV	ACSR Wolf	0.8	1999	
373	Tap to BPCL from BRFA No.II feeder	Kalamassery	1 BR FA-T-BP	ACSR Wolf	2.81	1999	
374	Tap to Chingavanam Traction from PLTN feeder	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu		ACSR Wolf	1.578		Tapline from PLTN feeder
375	Tap to Co-op. Med. College from KLBR No.II	Kalamassery	1 KL BR II-T-MC	ACSR Wolf	0.04	2004	
376	Tap to GTN Textiles from KLPM feeder			ACSR Wolf	0.86		
377	Tap to Infopark from SL- Chellanam			ACSR Wolf	0.125		
379	Tap to MPS Steel from PKKE feeder	Palakkad/Palakkad	1PKKE - T - MPS	ACSR Wolf	0.05		
381	Tap to Paragon Steel from PKKJ No.II	Palakkad/Palakkad	1PKKJ#2 - T - PARAGON	ACSR Wolf	0.05		
382	Tap to PATSPIN from PKKJ No.II	Palakkad/Palakkad	1PKKJ#2 - T - PATSPIN	ACSR Wolf	0.05		
383	Tap to Petronet from BRFA No.I feeder	Kalamassery	1 BR FA-T-PT	ACSR Wolf	2.81	1999	
384	Tap to Precot Meridian from WLMC No.II	Palakkad/Palakkad	1WLMC#2 - T - PRECOT	ACSR Wolf	0.22		
385	Tap to Sasthamkotta from EPKD feeder			ACSR Wolf	13.5		
387	Tap to Thiruvalla from Mallappally - Chengannoor	Transmission Circle, Poovanthuruthu/LMS Poovanthuruthu		1X300mm ug cable SC	0.38		Tapline from MPCG feeder
388	Tap to Thrissur Corpn. from VIPL feeder	Thrissur/LMS Viyyur		ACSR Wolf	1.5		
389	TERLS - VELI	TC Thiruvananthapuram	1TEVE	ACSR Wolf	4.1	2018	
390	TERLS -VSSC I		1TEVS I	ACSR Wolf	0.8		

Table-34 110 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
391	TERLS -VSSC II		1TEVS II	ACSR Wolf	0.8		
392	Thalassery - Panoor	KANNUR / LMS KANNUR II	1 TLPA	ACSR wolf	7.177	18.03.2016	
393	Thaliparamba - Mangad	TC Kannur/ LMS Payyannur	1TAMG	ACSR Wolf/Tiger	10.53		
394	Thaliparamba - Payangadi No.I	TC Kannur/ LMS Payyannur	1TAPG I	ACSR Wolf	9.5	2000	
395	Thaliparamba - Payangadi No.II	TC Kannur/ LMS Payyannur	1TAPG II	ACSR Wolf	9.5	1997	
396	Thaliparamba - Payyannur	TC Kannur/ LMS Payyannur	1TAPY	ACSR Wolf/Tiger	22.4	1998	
397	Thykkattusery - SL Puram		1SLTK	ACSR Wolf	16.15		
398	TIRUR-TIRUR TRACTION	Malappuram/Malappuram	1TTI-TR	XLPE UG	0.566	2018	
399	Udumbannoor - Erattupetta	POOVANTHURUTHU/PALA	1UDER	ACSR Wolf	28.4		
400	Valappad - Kattoor	Thrissur/LMS Viyyur	1VAKA	ACSR Wolf	11.16	2014	Corrected the name of feeder as Valappad-Kattoor instead of Kattoor-Valappad
401	Veli - Muttathara		1VEMT	630 Sq mm SC UG	8.45		
402	Vennakkara - Malampuzha	Palakkad/Palakkad	1 VNMA	ACSR Wolf	10.25		
403	Vidyanagar - Kubanur	TC Kannur/ LMS Mylatty	1KBVD	ACSR Wolf	21.7	1983	
404	Vidyanagar - Mulleria No.I	TC Kannur/ LMS Mylatty	1VDMI - I	ACSR Wolf	17.8	2003	
405	Vidyanagar - Mulleria No.II	TC Kannur/ LMS Mylatty	1VDMI II	ACSR Wolf	17.8	2011	
406	Viyyur - Kandassankadavu	Thrissur/LMS Viyyur	1VIKK	ACSR Dog	15.73	2018	
407	Viyyur - Pullazhy	Thrissur/LMS Viyyur	1VIPL	ACSR Dog	7.22	2007	
408	Vytilla - New Vytilla UG		1NVVT	UG Cable	0.71		
409	Wadakkanchery - Shornur	Palakkad/Shoranur	1 WDSH	ACSR Wolf	16.56		
410	Walayar - Malabar Cement No.I	Palakkad/Palakkad	1 WLMC # 1	ACSR Wolf	4.41		
411	Walayar - Malabar Cement No.II	Palakkad/Palakkad	1 WLMC # 2	ACSR Wolf	4.41		
412	WELLINGTON ISLAND - NAVAL BASE		1WINY	UG CABLE	0.525	2022	Newly added on 10.22
413	Wellington Island - Port Trust		1WICO	UG Cable	2.31		
414	West Hill - Gandhi Road	TC KOZHICODE	1WHGD	110kV 630 Sq mm XLPE UG CABLE	7.036	2015	
415	West Hill -Quilandy	TC KOZHICODE/ LMS, Vatakara	1WHQL	STACIR	17.312		
416	West Hill -Traction Elathur	TC KOZHICODE	1WHTR	400 Sq mm UG Cable	4.42	2016	
417	Tap to TECIL from PLTN feeder	Transmission Circle, Poovanthuruthu/LMS Poovanthuruthu		ACSR Wolf	2.12		
418	Nallalam-Mankavu	T C KOZHICODE/TS, Nallalam	1NLMN	HTLS	6.1		
419	Kanhirode - KINFRA Park	LMS1 KANNUR	1KHKF	HTLS	13.243	12.12.2022	LILO arrangement of Kanhirode - Mattannur
420	KINFRA Park - Mattannur	LMS1 KANNUR	1KFMT	HTLS	5.607	12.12.2023	LILO arrangement of Kanhirode - Mattannur
421	THALASSERY - MUNDAYAD		1TLMU	ACSR Panther	21.58	2023	
<b>110kV LINE-Total in Ckt.KM</b>					<b>5460.85</b>		
<b>IV. 66 kV Lines</b>							
1	Adoor - Pathanamthitta	under upgradation by TRANSGRID	6ADPT	Mink	12.6		under upgradation by TRANSGRID
2	Adoor- Enathu	TD Pathanamthitta LMS Pathanamthitta	6ADEN	ACSR Wolf	11.4	2019	
3	Alappuzha - Pathirappally		6ALPT	Tiger	6.3	2020	
4	Aluva - Edayar	Kalamassery	6 ALED	Mink / Copper	5.65	1943	

Table-34 66 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
5	ALUVA - KARUKUTTI	Thrissur/ Angamaly	6ALKK	Mink/DOG	18.02		
6	Aroor -Mattancherry		6ARMH	Mink	9		
7	CHALAKUDY-KARUKUTTY TAP-VAIGAI	Thrissur/ Angamaly	6ALCH II-T-VG	DOG	0.8		
8	Kunnamangalam- Kuttikatoor 66-Tap-Mavoor	Kozhikode & TS, Nallalam	6KGKT-T-MV	Mink	13.71	1971	13.71km from Tap 1 at Paingottupuram to Tap 52 at Ambalapparamba S/S under Transmission Section, Nallalam
9	Ambalavayal Tap line	TC KOZHICODE	6KNKU I-T-ST-AM	ACSR Wolf	4.013	2021	
10	AROOR - CHERTHALA		6ARCT	DOG	23.3		
11	Attingal - Palode		6ATPL	Mink	19.4	1979	
12	Chalakkudy - Aluva I	Thrissur/ Angamaly	6ALCH I	Mink/Dog	26.78		
13	Chalakkudy - Aluva II		6ALCH II	Mink	26.78		
14	Chalakkudy - Viyyur - 2	Thrissur/LMS Viyyur	6CHVI-2	AAAC 80 sq mm	34.5	1947	
15	Chalakkudy - Viyyur -1	Thrissur/LMS Viyyur	6CHVI-1	AAAC 80 sq mm	34.5	1947	
16	CHALAKUDY - KARUKUTTI	Thrissur/ Angamaly	6CHKK	Mink/Copper	8.75		
17	Chevayur - Puthiyara	KOZHICODE / KOZHICODE	6 CHPT	400 Sq.mm XLPE UG	4.37	2004	
18	Chumathra - Thiruvalla	Alappuzha/Edappon	6CUTV	ACSR Dog	2.8	1940	
19	Edappon - Adoor No.I	Alappuzha/Edappon	6EPADI	ACSR Dog	16	1980	
20	Edappon - Adoor No.II	Alappuzha/Edappon	6EPADII	ACSR Dog	16	1980	
21	Edappon - Mavelikkara No.I	Alappuzha/Edappon	6EPMVI	ACSR Dog	10.8	1980	
22	Edappon - Mavelikkara No.II	Alappuzha/Edappon	6EPMVII	ACSR Dog	10.8	1980	
23	Gandhi Nagar - Pallom	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	6PLGN	ACSR Dog	10		
24	IDUKKI - Malankara		6IDML	ACSR Dog	15.9		
25	Idukki Koothaattukulam- Tap- Thodupuzha		6IDKK-T-TD	ACSR Dog	10.85		
26	Idukki- Koothattukulam		6IDKK	Dog	29.7		
27	Idukki -Vazhathope	TC Thodupuzha/LMS Vazhathoppu	6IDVZ	ACSR Dog-8.65 km ACSR Mink -3.462 km ACSR Wolf -2.423 km	14.535	1956	Single Circuit Line
28	Kalamassery - Aluva I	Kalamassery	6 KL AL I	ACSR Dog	6.857	1976	(0.577ug)
29	Kalamassery - Aluva II	Kalamassery	6 KL AL II	ACSR Dog+.577 UG	6.857	1976	(0.577ug)
30	Kalamassery - Njarakkal No.I	Kalamassery	6 KL NJ I	ACSR Dog	13.6	1977	
31	Kalamassery - Njarakkal No.II	Kalamassery	6 KL NJ II	ACSR Dog	13.6	1977	
32	Kalamassery - NPOL (Thrikkakara)	Kalamassery	6 KL NP	ACCC Sivassa	5.7	1990	
33	NPOL (Thrikkakara) -Vyttila	Kalamassery	6NPVT	5.9 dog+ 4.02 Tiger	8.52	1990	
34	Kalamassery Vyttila	Kalamassery	6KLV T	ACSR TIGER/DOG	13.3	1990	
35	Kalamassery - Premier Tyres No.I	Kalamassery	6 KL PR I	ACSR Wolf+ UG	2	1981	
36	Kalamassery - Premier Tyres No.II	Kalamassery	6 KL PR II	ACSR Wolf +UG	2	1981	
37	Kallada - Edamon No.I	Kottarakkara, LMS Edamon	6 KLEM I	ACSR Dog	9.24	1993	
38	Kallada - Edamon No.II	Kottarakkara, LMS Edamon	6 KLEM II	ACSR Dog	9.24	1993	
39	Kaloor - Marine Drive	Kalamassery	6KAMD	400 Sq.mm XLPE	3.85	2007	
40	Kaniyampetta - Anchukunnu	KOZHICODE	6KNAN	AAAC	9.2	1942	

Table-34 66 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
41	Kaniyampetta - Kuthumunda I	KOZHICODE	6KNKUI	ACSR Wolf	12.801	1942	
42	Kaniyampetta - Kuthumunda II	KOZHICODE	6KNKUII	ACSR Wolf	12.801	1942	
43	KANJIKODE - CHANDRANAGAR	Palakkad/Palakkad	6 KJCD	ACSR Dog / Mink	17.77		12.97 km - Dog & 4.8 km Mink
44	Kanjikode - Chittoor No.I	Palakkad/Palakkad	6KJCI # 1	ACSR Dog	15.58		
45	Kanjikode - Chittoor No.II	Palakkad/Palakkad	6KJCI # 2	ACSR Dog	15.58		
46	Kanjikode - ITI	Palakkad/Palakkad	6KJIT	Mink	0.36		
47	Kanjikode - MCL Quarry	Palakkad/Palakkad	6KJMC	Mink	23.45		
48	Kanjikode-Kannampully	Palakkad/Palakkad	6 KJKN	ACSR Dog / Mink	25.28	1993	12.97 km Dog & 12.31 km Mink
49	Karuvatta - Mavelikkara	Alappuzha/Kottarakkara	6MVKV	ACSR Dog	16		
50	Kattanam - Karunagappally	Edappon/Kundara	6KTKP	Copper/ ACSR Dog/ ACSR Wolf	29.65	1942/2019	LILo portion to Kattanam Substation commissioned during 2019)
51	Kochu Pampa - Sabarigiri	TD Pathanamthitta LMS Moozhiyar	6SBKP	ACSR Dog	15.831	1964	
52	Kochu Pampa - Thriveni No.I	TD Pathanamthitta LMS Moozhiyar	6KPTR1	ACSR Dog	12.1	2005	
53	Kochu Pampa - Thriveni No.II	TD Pathanamthitta LMS Moozhiyar	6KPTR2	ACSR Dog	12.1	2005	
54	Koothattukulam - Kuravilangad		6KKKV	Copper	13.1		
55	Kunnamangalam - Thamarassery	KOZHICODE & TS, Nallalam	6KGTm	ACSR Dog/copper	17.8	1947	Under Upgradation to 110kV
56	Kunnamgalam - Cyberpark	T C KOZHICODE & TS, Nallalam	6KGCb	ACSR Tiger/wolf	8.73		
57	Kuthumunda - Thamarassery	KOZHICODE	6KUTM	ACSR Dog	20.679		Dog
58	Kuthumunda - Uppatty (Inter state)	KOZHICODE	6KUUP	Dog + copper	16.8	1942	18.14( One circuit Dog, One circuit Copper)
59	LA Complex - Powerhouse	TC Thiruvananthapuram	6 LA TV	400 Sq.mm XLPE	3.48	2005	
60	Malankara - Thodupuzha		6MLTD	ACSR Dog	13.9		
61	Mananthavadi - Anchukunnu	KOZHICODE	6ANMN	AAAC	9.7	1942	
62	Mankavu - Puthiyara	T C KOZHICODE	6PTMN	400 Sq.mm (2XLYYWaY)	3.17	2004	
63	Mattanchery - Fort Kochi No.I		6MHFRI	400 Sq.mm XLPE	4.2		
64	Mattanchery - Fort Kochi No.II		6MHFR II	400 Sq.mm XLPE	4.2		
65	Mavelikkara - Kattanam	Alappuzha/Edappon	6MVKT	Copper/ ACSR Dog/ ACSR Wolf	13.65	1942/2019	LILo portion to Kattanam Substation commissioned during 2019
66	Mavelikkara - Nangiarkulangara		6MVNG	ACSR Dog	9.3		
67	Mundakkayam - Peerumedu	Transmission Circle Poovanthuruthu/LMS Poovanthuruthu	6PMMD	ACSR Dog	13.5	1960	
68	Nallalam - Cyberpark	T C KOZHICODE & TS, Nallalam	6NLcb	TIGER/DOG/ ACSR Wolf	6.12		
69	Nedumkandam - Kattappana	TC Thodupuzha/LMS Vazhathoppu	6NDKT	ACSR Wolf - 11 km ACSR Mink -5.671 km	16.671	1992/2006	11 km LILo toedumkandam S/S commissioned during 2006
70	Nedumpoyil - Mananthavadi	LMS1 KANNUR	6NEMN	Copper	28.98	1947	
71	Odakkali-Aluva I	Thodupuzha / Kothamangalam	6ODAL1	Copper	23.9	1947	

Table-34 66 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
72	Odakkali-Aluva II	Thodupuzha / Kothamangalam	6ODAL11	Copper	38.1	1947	
73	Pallivasal - Karimanal I	Thodupuzha / Kothamangalam	6 PV KR I	Copper	26.8	1940	
74	Pallivasal -Sengulam	Thodupuzha / Kothamangalam	6 PVSG	ACSR Dog	6.5	1954	Double circuit line shorted at both end
75	Pallivasal-Karimanal II	Thodupuzha / Kothamangalam	6 PV KR II	Copper	75.06	1940	
76	Pallom - Chumathra	Alappuzha/Edappon	6PLCU	ACSR Dog	18.55	1940	
77	Pallom - Kuttanad		6PLKT	ACSR Dog	18.54		
78	Pallom - Thiruvalla	Alappuzha/Edappon	6PLTV	ACSR Dog	20.7	1940	
79	Panampilly Nagar - Perumanoor	Kalamassery	6 PN PR	ACSR Dog	0.704	1989	
80	Paruthippara - Balaramapuram	TC Thiruvananthapuram	6PPBL-T VZ	Mink	17.58	1952	
81	Paruthippara - LA Complex	TC Thiruvananthapuram	6 PP LA	400 Sq.mm XLPE	4.35	2005	
82	Paruthippara - TERLS	TC Thiruvananthapuram	6PPT	ACSR Dog	8.294	1973	
83	Paruthippara - Vattiyoor kavu	TC Thiruvananthapuram	6PPVT	Mink	9.25	2004	
84	Pathirappally - Cherthala		6PTCT	Tiger	17.1		
85	PCBL- Puthencruz	Kalamassery	6 PC PT	ACSR Dog	7.5	1984	
86	Peerumedu - Vandiperiyar	TD Pathanamthitta LMS Moozhiyar	6VDPM	ACSR Dog	13.79	1990	
87	Perumanoor - Cochin Shipyard I		6PRCS I	400 Sq.mm XLPE	0.09		
88	Perumanoor - Cochin Shipyard II		6PRCS II	400 Sq.mm XLPE	0.09		
89	Perumanoor - Marine Drive		6PRMD	400 Sq.mm XLPE	4.25		
90	Kothamangalam-Aluva I-Tap-Perumbavoor I	Thodupuzha / Kothamangalam	6KOAL I-T-PMI	ACSR Dog	1.8	1947	
91	Kothamangalam-Aluva I-Tap-Perumbavoor II	Thodupuzha / Kothamangalam	6KOAL II-T-PM II	ACSR Dog	1.8	1947	
92	Powerhouse - Thirumala		6 THTV	400 Sq.mm XLPE	6.8		
93	Punnpra - Alappuzha No.I		6PUAL I	ACSR Dog	8.9		
94	Punnpra - Alappuzha No.II		6PUAL II	ACSR Dog	8.9		
95	Punnpra - Karuvatta		6PUKV	ACSR Dog	17.4		
96	Punnpra - Nangiarkulangara		6PUNG	ACSR Dog	24.1		
97	Sasthamkotta - Karunagappally	Kottarakkara/Kundara	6STKP	ACSR Dog	13.2		
98	Sengulam - Vazhathope	TC Thodupuzha/LMS Vazhathoppu	6SGVZ	ACSR Dog-19.749 km ACSR Wolf -2.423 km	22.172	1956	
99	Kaniyampetta-Kuthumunda -Sulthan Bathery Tap line	TC KOZHIKODE	6KNKUI-T-ST	MINK	20.46	1986	
100	Tap I to Kakkanadu S/S from 6 KL VT	Kalamassery	6 KL VT-T-KK I	ACSR TIGER	0.1	1967	
101	Tap II to Kakkanadu S/S from 6 NP VT	Kalamassery	6 NP VT-T-KK II	ACSR TIGER	0.1	1967	
102	Tap line to KAMCO from CHAL feeder	Thrissur/ Angamaly		Mink	0.47		
103	Tap No.I to Appollo Tyres from CHVI feeder	Thrissur/LMS Viyyur		ACSR Dog	0.97		
104	Tap No.I to HOC from VT PC feeder	Kalamassery	6 VT PC-T-HCO I	ACSR Dog	0.3	1986	
106	Tap No.II to Appollo Tyres from CHVI feeder	Thrissur/LMS Viyyur		ACSR Dog	0.97		
105	Tap No.I to TELK from CHAL feeder	Thrissur/ Angamaly		Mink	0.35		
107	Tap No.I to Changanassery from PLCU feeder	Alappuzha/Edappon	6PLCU-T-CH	ACSR Dog	0.03	1940	
108	Tap No.II to Changanassery from PLTV feeder	Alappuzha/Edappon	6PLTV-T-CH	ACSR Dog	0.03	1940	
109	Tap No.II to Ernakulam North from KLNJ No.II feeder	Kalamassery	6 KL NJ II-T-EKM	ACSR Dog	4.96	1984	

Table-34 66 kV lines contd..



Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
110	Tap No.II to HOC from TP PT feeder	Kalamassery	6 TP PT-T-HOC	ACSR Dog	0.3	1986	
111	Tap No.II to TELK from ALKR feeder	Thrissur/ Angamaly		Mink	0.35		
112	Tap to Carborandum from KLPR No.II feeder	Kalamassery	6 KL PR II-T-CBDM	Mink	2.6	1981	
113	Tap to Edamula KRL Pumphouse from KLAL feeder	Kalamassery	6 KL AL -II-T-Edamula	ACSR Dog	1.9	2001	
114	Tap to HMT from KLVV feeder	Kalamassery	6 KL VT-T-HMT	Mink	0.37	1967	
115	Tap to INDSIL from KJCI No.I feeder	Palakkad/Palakkad	6KJCI#1 - T -INDISIL	ACSR Dog	0.1		
116	Tap to Iruttukanam PH from PVKR -I feeder	Thodupuzha / Kothamangalam	viyyattu -tap	ACSR Wolf	1.25	2010	
117	Tap to Kottayam from PLET feeder	Transmission Circle, Poovanthuruthu/LMS Poovanthuruthu		ACSR Dog	0.08		Tap line from PLET feeder
118	Tap to Kulamavu from 6MLVZ feeer	TC Thodupuzha/LMS Vazhathoppu	6MLVZ -T -KU	ACSR Dog- 0.989 km	0.989	1964	Single Circuit Line
119	Tap to Mulavukad from KLNJ No.II feeder			ACSR Dog	0.1		
120	Tap to Nangiarkulangara from KVMV feeder			ACSR Dog	0.01		
121	Tap to PRECOT Mills from 6KJKN feeder	Palakkad/Palakkad	6KJKN - T- PRECOT	ACSR Dog	1		
122	Tap to Thrissur Corporation from 6CHVI-2 feeder	Thrissur/LMS Viyyur		ACSR Dog	2.1		Corrected the name of feeder as 6CHVI-2 instead of VIOL
123	TERLS - Veli		6TEVE	240 Sq.mm XLPE	4.8		
124	Thiruvalla - Mavelikkara I	Alappuzha/Edappon	6TVMVI	ACSR Dog	19.74	1940	
125	Thiruvalla - Mavelikkara II	Alappuzha/Edappon	6TVMVII	ACSR Dog	19.74	1940	
126	TRIPUNITHARA-PUTHENCROUZ	Kalamassery	6 TP PT	14.5KM DOG+1.5KM UG	16	1984	
127	Valiavelicham - Nedumpoil	LMS1 KANNUR	6VLNE	ACSR Wolf	15.428	27.3.18	
128	Vandiperiyar - Kochu Pampa	TD Pathanamthitta LMS Moozhiyar	6KPVD	ACSR Dog	25.215	1990	
129	Vattiyooravu - Thirumala		6VTTH	Mink	7.25	2004	
130	Vazhathope - Nedumkandam	TC Thodupuzha/LMS Vazhathoppu	6VZND	ACSR Dog-15.64 km ACSR Wolf - 11 km	26.64	1992/2006	11 km LILO TO Nedumkandam S/S commissioned during 2006
131	Veli - Airport No.I		6VETA I	240 Sq.mm XLPE	4.3		
132	Veli - Airport No.II		6VETA II	240 Sq.mm XLPE	4.3		
133	Veli-TTPL		6VETT	UG	0.705		
134	VYTILLA-TRIPUNITHARA	Kalamassery	6 VT TP	3 km DOG + 2.275 UG	5.275	1984	
135	Vyttila - Panampilly Nagar	Kalamassery	6 VT PN	ACSR Dog	2.7	1989	
136	Vyttila - PCBL	Kalamassery	6 VT PC	15.35 DOG + .775 UG	16.125	1984	
137	Vyttila - Perumanoor	Kalamassery	6 VT PR	ACSR Dog	3.4	1972	
<b>66 kV LINE-Total in Ckt.KM</b>					<b>1542.232</b>		
<b>V. 33 kV Lines</b>							
1	Agastyamoozhi - Thambalamanna No.I	KOZHICODE	3THAGI	ACSR Dog	8.6	2003	
2	Agastyamoozhi - Thambalamanna No.II	KOZHICODE	3THAGII	ACSR Dog	8.6	2003	

Table-34 33kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
3	Agastyamoozhi - Vellannur	KOZHICODE	3AGVL	ACSR Dog	8.3	2011	
4	Ambalappuram - Chengamanad	TC Kottarakara/ES Chengamanadu	3AMCG	ACSR Dog	12.56	2006	
5	Ambalappuram - Ezhukone	TC Kottarakara/ES Ezhukone	3AMEZ	ACSR Dog	4.4	2008	
6	Ambalappuram - Pooyappally	TC Kottarakara/ES Pooyapally	3AMPY	ACSR Dog	11	2011	
7	Ambalappuram - Puthur (Kollam)	TC Kottarakara/ES Puthur	3AMPU	ACSR Dog	10.4	2010	
8	Ambalathara - Solar Park 1	TC Kannur	3ABSP1(A)	33 KV XLPE 3X300 mm UG Cable	1.3	2016	
9	Ambalathara - Solar Park 2	TC Kannur	3ABSP2(B)	33 KV XLPE 3X300 mm UG Cable	1.3	2016	
10	Ambalathara - Solar Park 3	TC Kannur	3ABSP3(C)	33 KV XLPE 3X300 mm UG Cable	1.3	2016	
11	Ambalathara - Solar Park 4	TC Kannur	3ABSP4(D)	33 KV XLPE 3X300 mm UG Cable	1.3	2016	
12	Ambalathara - Solar Park 5	TC Kannur	3ABSP5(E)	33 KV XLPE 3X300 mm UG Cable	1.3	2016	
13	AMBALATHARA-KANHANGAD I	TC Kannur	3ABKG I	ACSR Dog	6.2	2016	
14	AMBALATHARA-KANHANGAD II	TC Kannur	3ABKG II	ACSR Dog	6.2	2016	
15	ANAKKAMPOYIL - THAMBALAMANNA	KOZHICODE	3ANTH	AL 59	9	2021	ANAKKAMPOYIL THAMBALAMANNA
16	Anchangady - Methala	Thrissur/LMS Viyyur	3ANMT	ACSR Dog	9.61	2014	
17	Athani - Erumappetty	TC Thrissur	3ATER	ACSR Dog	13	2001	
18	Athani - Mundoor	TC Thrissur	3ATMU	ACSR Dog	8	2001	
19	Attingal - Kacheri UG Cable		3ATKC	UG	4.8	2017	
20	Attingal - Kadakkavur		3ATKD	ACSR Dog	11.247		
21	Attingal - Venjaramoodu		3ATVJ	ACSR Dog	10.935		
22	Azhikode - Coast Guard	TC KANNUR	3AZCG	UG	13.74	2018	
23	Azhikode - Kannur Town	TC KANNUR	3AZKN	ACSR Dog	7.9	2010	
24	Belur - Rajapuram	TC KANNUR	3BLRJ	3C300SQR UG	13.815	2020	
25	BRAHMAPURAM - DLF TOWER I		3BRDL I	3C300SQR UG	8.234	2021	
26	BRAHMAPURAM - DLF TOWER II		3BRDL II	3C300SQR UG	8.234	2015	
27	Chalakudy - Kallettumkara	TC Thrissur	3CHKT	ACSR Dog	11.497	2006	
28	Chalakudy - Koratty	TC Thrissur	3CHKO	ACSR Dog	6.9	2009	
29	Chalakudy - Pariyaram (Thrissur)	TC Thrissur	3CHTP	ACSR Dog	7.8	2007	
30	Chalakudy - Vellikulangara	TC Thrissur	3CHVL	ACSR Dog	14.158	2010	
31	Chattankottunada-Kuttiyadi	KOZHICODE	3CHKU	UG CABLE3*300 sqmm XLPE	7.5	2021	
32	Chavakkad ( Punna) - Blangad	TC Thrissur	3CVBL	ACSR Dog(OH+UG)	5.943	2019	5.13km OH+.813km UG=5.943
33	Chelari - KINFRA No.I	Malappuram	3CLKN I	ACSR Dog	2.26	2003	
34	Chelari - KINFRA No.II	Malappuram	3CLKN II	ACSR Dog	2.26	2008	
35	Chembukadavu-II PH - Chembukadavu-I PH	KOZHICODE		ACSR Dog	1.1	2003	
36	Chengannur - Mannar	Alappuzha	3CGMA	ACSR Dog	11.3	2009	
37	Cherpu - Chirakkal	THRISSUR	3CRCH	ACSR Dog	5.8	2006	
38	Cherpu - Palakkal	THRISSUR	3CRPL	ACSR Dog	5.4	2008	
39	Cheruvathur - Thrikkariapur	ES/Trikariapur	3CVTK	ACSR Dog	11.2	2004	
40	Cheruvathur - West Elery	ES/Bheemanady	3CVWT	ACSR Dog	17.5	2007	

Table-34 33kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
41	Edapally-Aims I	Kalamassery	3EPAI-1	3*300 sqmm XLPE	0.085	2022	
42	Edapally-Aims II	Kalamassery	3EPAI-2	3*300 sqmm XLPE	0.085	2022	
43	Edapally-Medicity I	Kalamassery	3EPM1-1	3CX300 XLPE	2.75	2022	<i>Cable not energised</i>
44	Edapally-Medicity II	Kalamassery	3EPM1-2	3CX300 XLPE	2.75	2013	
45	Edappon - Pandalam	TD Pathanamthitta	3EPPD	ACSR Dog	8	2019	
46	Edappon-Vallikunnam	Alappuzha	3EPVK	ACSR Dog	17.7	2012	
47	Edarikode - Kalpakanchery	Malappuram	3EDKP	ACSR Dog	12	2017	<i>Replaced Edarikode-Thirunavaaya by this line</i>
48	Edarikode - Kooriyad (Kakkad)	Malappuram	3EDKR	ACSR Dog	8	2011	
49	Edarikode - Othukungal	Malappuram	3EDOT	ACSR Dog	8.2	2009	
50	Edathua - Kadapra	TD Pathanamthitta	3EHKP	ACSR Dog	9.2	2016	
51	Edavanna - Wandoor	MALAPPURAM	3EVWN	ACSR Dog	13.2	2003	
52	Guruvayoor - Chavakkad	THRISSUR	3GVCV	ACSR Dog	6.7	2004	
53	Irinjalakuda - Parappukara No.I	THRISSUR	3IJPR 1	ACSR Dog	11.6	2003	
54	Irinjalakuda - Parappukara No.II	THRISSUR	3IJPR 2	ACSR Dog	11.6	2003	
55	Irinjalakuda - Vellangallur	THRISSUR	3IJVL	ACSR Dog	6.5	2006	
56	Iritty-Barapole 1		3BPIR I	3X300 sq.mm UG cable	14.7		
57	Iritty-Barapole 2		3BPIR II	3X300 sq.mm UG cable	14.7	2016	
58	Kaduthuruthy - Kallara		3KDKL	ACSR Dog	7.7	2017	
59	Kaipamangalam - Anchangady No.I	Thrissur	3KPAN 1	ACSR Dog	8.5	2005	
60	Kaipamangalam - Anchangady No.II	Thrissur	3KPAN 2	ACSR Dog	8.5	2005	
61	Kaloor - Lulu Mall No.I	Kalamassery	3KALU 1	300 Sq.mm XLPE Al cable	4.2	2012	
62	Kaloor - Lulu Mall No.II	Kalamassery	3KALU 2	300 Sq.mm XLPE Al cable	4.2	2012	
63	Kaloor - Lulu Mall No.III	Kalamassery	3KALU 3	300 Sq.mm XLPE Al cable	4.2	2012	
64	KALOOR-KALOOR METRO I	Kalamassery	3KAMT1	XLPE UG CABLE	0	2017	<i>Feeder bay is only chargrd. Cable not laid by KMRL</i>
65	KALOOR-KALOOR METRO II	Kalamassery	3KAMT2	XLPE UG CABLE	0.22	2017	
66	KALOOR-LULU HOTEL I	Kalamassery	3KALI 1	UG CABLE	5.659	2017	
67	KALOOR-LULU HOTEL II	Kalamassery	3KALI 2	UG CABLE	5.642	2017	
68	KALOOR-THAMMANAM I	Kalamassery	3KATM1	XLPE UG CABLE	4.12	2018	
69	KALOOR-THAMMANAM II	Kalamassery	3KATM2	XLPE UG CABLE	4.12	2018	
70	Kandassankadavu - Mullassery	ES/Venkidangu	3KKMU	ACSR Dog	7.63	2006	
71	Kandassankadavu - Vadanappilly	ES/Vadanappilly	3KKVD	ACSR Dog	4.26	2005	
72	Kanhangad - Belur	TC KANNUR	3KGBL	ACSR Dog	11.2	2008	
73	Kanhangad – Kanhangad Town	TC KANNUR	3KGKG	ACSR Dog+ XLPE UG Cable	6.99	2016	<i>2 Km OH+4.99 Km UG</i>
74	Kanhangad - Neeleswaram	ES/Nileshwar	3KGNL	ACSR Dog	10.3	2007	
75	Kanhirode - Kuttiyattoor	TC KANNUR	3KHKT	ACSR Dog	8.9	2001	
76	Kanhirode - Pazhassi	TC KANNUR	3KHPZ	ACSR Dog	18.7	2000	
77	Kaniyampetta - Kalpetta	TC KOZHIKODE	3KNKL	ACSR Dog	9.5	2004	
78	Kaniyampetta - Meenangadi	TC KOZHIKODE	3KNMN	ACSR Dog	10	2004	

Table-34 33kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
79	Kaniyampetta - Padinjarethara	TC KOZHICODE	3KNPD	ACSR Dog	16.5	2004	
80	Kaniyampetta - Pulpally	TC KOZHICODE	3KNPL	ACSR Dog	24.5	2004	
81	Kayamkulam - Oachira		3KYOC	ACSR Dog	11	2009	
82	Kazhakuttom-Lulu I		3KZLU I	UG	7	2021	
83	Kazhakuttom-Lulu II		3KZLU II	UG	7	2021	
84	Keezhissery - Valluvambram	MALAPPURAM	3KIVL	ACSR Dog	11	2001	
85	KEEZHISSERY -EDAVANNA I	MALAPPURAM	3KIEV I	ACSR Dog	22	2020	
86	Keezhissery-Edavanna II	MALAPPURAM	3KIEV II	ACSR Dog	22	2004	
87	Kilimanoor - Kadakkal	TC Thiruvananthapuram	3KIKK	ACSR Dog	9.5	2004	
88	Kilimanoor - Kallambalam	TC Thiruvananthapuram	3KIKB	ACSR Dog	15	2009	
89	Kollenkode - Koduvayur		3KEKV	ACSR Dog	11.7	2003	
90	Kollenkode - Muthalamada		3KEML	ACSR Dog	9.7	2003	
91	Kollenkode - Nelliampathy		3KENL	ACSR Dog	9.5	2003	
92	Kollenkode - Pallassena		3KEPL	ACSR Dog	8.7	2003	
93	Koottanad - Chalisery	PALAKKAD/SHORANUR	3KOCL	ACSR Dog	4.5	2000	
94	Koottanad - Thrithala	PALAKKAD/SHORANUR	3KOTR	ACSR Dog	5.3	2000	
95	Koppam - Maruthur	PALAKKAD/SHORANUR	3KPMP	ACSR Dog	10.1	2002	
96	Koppam - Pulamanthole -T-Thazhekode	MALAPPURAM	3KPPL-T-TZ	ACSR Dog	24	2003	
97	Koppam - Thiruvegappura	PALAKKAD/SHORANUR	3KPTP	ACSR Dog	13.2	2014	
98	Koppam- Pulamanthole feeder	MALAPPURAM	3KPPL	ACSR Dog	4.5	2003	
99	Kottiyam - Adichanallur	TC Kottarakara	3KOAD	ACSR Dog	9.85	2010	
100	Kottiyam - Kannanallur	TC Kottarakara	3KOKN	ACSR Dog	7.5	2013	
101	Kottiyam - Paravoor	TC Kottarakara	3KOPR	ACSR Dog	4.85	2013	
102	Koyilandi - Balussery	ES,Balussery	3QLBL	ACSR Dog	13	2002	
103	Kozhinjampara - Meenakshipuram		3KZMS	ACSR Dog	4		
104	Kozhinjampara - Vannamada		3KZVN	ACSR Dog	16		
105	Kozhinjampara - Velanthavalam		3KZVL	ACSR Dog	9.2		
106	Kunnamangalam - Vellannur	TC KOZHICODE	3KGVL	UG	5.3	2020	
107	Kunnamkulam - Kongannur	Thrissur	3KNKG	ACSR Dog	8.5	2007	
108	Kurumassery - Puthenvelikkara	KALAMASSERY	3KRPV	ACSR Dog	7.2	2006	
109	Kurumassery 110 - Kurumassey 33	KALAMASSERY	3KRKR	ACSR Dog	1.2	2000	
110	Kurumassery-Annamanada	THRISSUR	3KRAM	ACSR Dog	9.1	2016	
111	Kuthumkal - Senapathy	TC Thodupuzha	3KTSN	ACSR Dog	16.79	2014	
112	Kuthunkal-Senapathy	TC Thodupuzha	3KTSN	ACSR Dog	16.79		
113	Kuttiapuram- Thirunavaya		3KUTR	ACSR Dog	16.5		
114	Kuttiapuram - Thirunavaya	Malappuram/Malappuram	3KUTR	ACSR Dog	11	2015	
115	Kuttiyadi - Poozhithodu PH	TC Kozhikde	3PZKU	ACSR Dog	13.7	2011	
116	Makkaraparamba - Pulamanthole	MALAPPURAM	3MKPL	ACSR Dog	14.2	2004	
117	MALAMPUZHA - OLAVAKKODE		3MAOL	ACSR Dog	8.5	09.06.2022	
118	Malappuram - Makkaraparamba	MALAPPURAM	3MLMK	ACSR Dog	8.7	2004	
119	Malappuram - Valluvambram	MALAPPURAM	3MLVL	ACSR Dog	11	2010	
120	Malayattoor - Kalady		3MAKA	ACSR Dog	6.3		
121	Malayattoor - Koovapady		3MAKV	ACSR Dog	4.2		

Table-34 33kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
122	Mallappally - Karukachal		3MPKR	ACSR Dog	7.1		
123	Mallappally - Kumbanad	TD Pathanamthitta	3MPKM	ACSR Dog	10.5	2016	
124	MANNARKKAD -AGALI II -TAP -KAVANDIKKAL (Wind Eva)		3MNAG II-T-KD				
125	Mannarkkad - Agali No.I		3MNAG I	ACSR Dog	28.5		
126	Mannarkkad - Agali No.II		3MNAG II	ACSR Dog	28.5		
127	Mannarkkad - Alanellur		3MNAL	ACSR Dog	16.2		
128	MARUTHUR -SOUTH MALABAR	PALAKKAD-SHORANUR	3MRSM	UGC	0.8	2011	
129	Mattannur - Kuyiloor (KWA) No.I	TC Kannur	3MTKY#1	ACSR Dog	4.6	2011	
130	Mattannur - Kuyiloor (KWA) No.II	TC Kannur	3MTKY#2	ACSR Dog	4.6	2011	
131	Mattannur- KIAL 33 DC	TC Kannur	3MTKI	UGC	12.4	2016	
132	MATTANNUR-PAZHASSI	TC Kannur	3MTPZ	3X300 mm2 XLPE CABLE+coverd conductor	10.24	2020	
133	MATTANNUR-THOLAMBRA	TC Kannur	3MTTB	3X300 mm2 XLPE CABLE+coverd conductor	16.07	2020	
134	Medical college, TVM - Pattoor SC UG	TC Thiruvananthapuram	3 MCPT	UG	3.235	2017	
135	Medical college, TVM - Vidyuthi Bhavanam	TC Thiruvananthapuram	3 MCVB	UG	1.68	2019	
136	MEENANGADI-AMBALAVAYAL		3MNAM	DOG	3	2021	
137	Melattur - Thazhekodde	MALAPPURAM	3METZ	ACSR Dog	23	2006	
138	Melattur - Wandoor	MALAPPURAM	3MEWN	ACSR Dog	18.7	2006	
139	Meppayur - Melady	Elctrical Section Melady	3MPML	ACSR Dog	9.45	2008	
140	Meppayur - Perambra	Electrical Section Perambra South	3MPPB	ACSR Dog	8.5	2017	
141	Moovattupuzha - Kallorokkad		3MVKL	ACSR Dog	14	2009	
142	Moovattupuzha - Mazhuvannur		3VMVZ	ACSR Dog	4.8		
143	Mulleria - Badiadka	Electrical Section Badiadka	3MIBD	ACSR Dog	12.5	2009	
144	Mulleria - Perla	Electrical Section Perla	3 MIPR	ACSR Dog	15.8	2009	
145	Mulloorkara - Chelakkara	TC THRISSUR	3MLCL	ACSR Dog	9.7	2008	
146	Mundakkayam - Kootikkal	Electrical section , Mundakkayam	3MDKT	ACSR Dog	8.09	2016	
147	Mundayad - Puthiyatheru	TC KANNUR	3MUPT	ACSR Dog	6.5	2001	
148	Mundayad - Thottada	TC KANNUR	3MUTT	ACSR Dog	10.5	2002	
149	Nadukani - Alakode	TC KANNUR	3NDAL	ACSR Dog	16.7	2009	
150	Nallalam - Feroke	T C KOZHICODE	3NLFR	(OH+UG)ACSR Dog	7.5	2016	
151	NALLALAM-HILITE		3NLHL	cable	9.5	2016	
152	Nedumangad - Aryanadu		3NDAR	OH+UG	12.5	2018	
153	Nedumangad - Chullimanur		3NDCL	ACSR Dog	5.8		
154	Nedumangad - Vithura No.I		3NDVI I	ACSR Dog	12.1		
155	Nedumangad - Vithura No.II		3NDVI II	300 sq.mm XLPE	24.518		
156	Nedumangad to LPSC SC UG		3NDLP	UG	5.1		
157	Nedumkandom - Vandanmedu	TC Thodupuzha	3NDVN	ACSR Dog	21	2019	
158	Nedumkandam - Kelakom	KANNUR	3NEKL	UG	10.23	2019	
159	Nilambur - Pookkottumpadam	MALAPPURAM	3NIPP	ACSR Dog	8.05	2013	

Table-34 33kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
160	Nilambur - Pothukallu - Tap - Adyanpara	MALAPPURAM	3NIPK-T-AD	ACSR Dog	1.5	2020	Tap line to Adyanpara from Nilambur Pothukallu line . AD forAdyanpara
161	Nilambur-Pothukallu	MALAPPURAM	3NIPK	ACSR Dog	17.5	2015	
162	North Parur - Alangad	kalamassery	3NPAL	ACSR Dog	6.75	2009	
163	North Parur - Vadakkekara	kalamassery	3NPVK	ACSR Dog	9.724	2006	
164	North Parur - Varappuzha	Kalamassery	3NPVP	ACSR Dog	8.5	2007	
165	Ollur - Pattikkad	THRISSUR	3 OLPT	ACSR Dog	16	2003	
166	Ollur - Puthur (Thrissur)	THRISSUR	3 OLTP	ACSR Dog	4.3	2003	
167	Paivelika Solar park - Kubanur 1	TC KANNUR/ LMS MYLATTY	3PVKBI	Covered Conductor XLPE	8	2020	
168	Paivelika Solar park - Kubanur 2	TC KANNUR/ LMS MYLATTY	3PVKBII	Covered Conductor XLPE	8	2020	
169	Pala - Kidangoor	PALA ELECTRICAL CIRCLE	3PAKI	ACSR Dog	9.6	2010	
170	Pala - Paika	PALA ELECTRICAL CIRCLE	3PAPI	ACSR Dog	10		
171	Pala - Ramapuram	PALA ELECTRICAL CIRCLE	3PARM	ACSR Dog	10		
172	Palakkad Vydhyuthi Bhavan - Olavakkode			Covered conductor/ABC	2.78		
173	Pallivasal-Marayoor	TC Thodupuzha	3PVMR	ACSR Dog	55	2021	
174	Panoor - Kodiyeri			ACSR Dog	6.5		
175	Panoor - Puthur (Kannur)		3PAPT	ACSR Dog	8.9	2001	
176	Parali - Kongad		3PRKN	ACSR Dog	12	2006	
177	Parali - Maniyampara		3PRMP	ACSR Dog	8		
178	Parali - Sreekrishnapuram		3PRSR	ACSR Dog	30		
179	Parappur-Mullassery	Electrical Section,Parappur	3PAMU	ACSR Dog	6.3	2020	
180	Parassala - Poovar		3PRPV	ACSR Dog	15.5	2008	
181	Parassala - Vellarada		3PRVL	ACSR Dog	14.5	2011	
182	PARIPPALLY - ESIC I		3PAES I	3*300mm2 XLPE	3.7		
183	PARIPPALLY - ESIC II		3PAES II	3*300mm2 XLPE	3.7		
184	Pathanamthitta - Konny	TD Pathanamthitta	3PTKO	ACSR Dog	8.3		
185	Pathanamthitta - Ranni Perinad	TD Pathanamthitta	3PTPE	ACSR Dog	18.6	2008	
186	Pattambi-Maruthur	TC Palakkad	3PTMR	3*300 Sqmm Cable	3.1	2022	
187	Payyannur - Payyannur Town	TC Kannur	3PYPN	ACSR Dog	5.49	2006	
188	Peerumedu - Upputhara	Thodupuzha Transmission Circle	3PMUP	ACSR Dog	23	2009	
189	Peerumedu - Vagamon	TC Thodupuzha	3PMVA	ACSR Dog	17	2010	
190	Perumbavoor - Kurupampady		3PMKR	ACSR Dog	8.5		
191	Perumbavoor - Travancore Rayons tap 1	Thodupuzha / Kothamangalam	Ryns tap	ACSR Dog	1.3	1947	
192	Perumbavoor - Travancore Rayons tap 2	Thodupuzha / Kothamangalam	Ryns tap	ACSR Dog	1.3	1947	
193	Perumbavoor - Vengola		3PMVG	ACSR Dog	4.8	2012	
194	PERUMTHENARUVI-RANNI-PERINAD-TAP-RANNI		3PRRP-T-RA	UG	9.24	2017	
195	Pinarayi - Dharmadom		3PIDR	ACSR Dog	5.8	2009	
196	Pinarayi - Tholambra		3PITB	ACSR Dog	31		
197	Pinarayi - Thottada		3PITT	ACSR Dog	10.5		
198	Punnapra - Kalarcode		3PUKR	Cov C	4.5		

Table-34 33 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
199	Punnpra - Thakazhy		3PUTK	ACSR Dog	11.4	2001	
200	Pushpakandam- Nedumkandam No.1	TC Thodupuzha/LMS Vazhathope	3PUND I	ACSR Dog	8	2007	Power evacuation line from wind farm
201	Pushpakandam- Nedumkandam No.11	TC Thodupuzha/LMS Vazhathope	3PUND II	ACSR Dog	8	2007	Power evacuation line from wind farm
202	Ranni - Manimala		3RAMN	ACSR Dog	18.5	2017	
203	Ranni - Perumthenaruvi	TD Pathanamthitta	3PRRP	OH+UG	12.1	2017	
204	SUZLON -AGALI (Wind Evacuation)		3SUAG				
205	Tap to Alanellur from METZ feeder		3METZ-T-AL	ACSR Dog	6		
206	Tap to Ramanattukara from CLKN No.I feeder	TC KOZHICODE	3CLKN II-T-RM	ACSR Dog	5.92	2009	
207	Thaliparamba - Nadukani No.I	TC KANNUR	3TAND-I	ACSR Dog	12.5	2007	
208	Thaliparamba - Nadukani No.II	TC KANNUR	3TAND-II	ACSR Dog	12.5	2007	
209	Thaliparamba - Pariyaram (Kannur)	TC KANNUR	3TAPR	ACSR Dog	9.2	2003	
210	Thambalamanna - Chembukadavu-II PH	TC KOZHICODE	3CBTH	AL 59 + ACSR Dog	11	2020	AL 59 up to nellipoyil pooling station and acsr dog conductor after that
211	Thambalamanna - Urumi	TC KOZHICODE	3URTH	ACSR Dog	5.3		
212	Thirumala - Karamana			300 sq.mm XLPE	4.95		
213	Thirumala - Peyad			300 sq.mm XLPE	7		
214	Thirunavaya - Thrikkannapuram (Thavanur)	Malappuram/Malappuram	3TRTV	ACSR Dog	3.1	2008	
215	Thirunavaya -Thavanur		3TRTV	ACSR Dog	3.15		
216	Thrikodithanam - Vakathanam			ACSR Dog	11.1		
217	Thycattussery - Kuthiyathodu No.I			ACSR Dog	6		
218	Thycattussery - Kuthiyathodu No.II			ACSR Dog	6		
219	Udumpannoor - Vannapuram			ACSR Dog	15.081		
220	Urumi - Urumi-II PH	TC KOZHICODE		ACSR Dog	0.2		
221	Urumi-II PH - Urumi-I PH	TC KOZHICODE		ACSR Dog	0.82		
222	Vadakara - Thiruvallur	Electrical Section Vadakara South	3VDTV	ACSR Dog	10.16	2008	
223	Vadakkenchery - Alathur			ACSR Dog	13.6		
224	Vadakkenchery - Chittadi			ACSR Dog	12.5		
225	Vadakkenchery - Tarur			ACSR Dog	11		
226	Vaikom - Kaduthuruthy No.I		3VKKD1	ACSR Dog	10		
227	Vaikom - Kaduthuruthy No.II		3VKKD2	ACSR Dog	10		
228	Valappad - Anthikadu No.I	Thrissur	3VAAT 1	ACSR Dog	8.5	2009	
229	Valappad - Anthikadu No.II	Thrissur	3VAAT 2	ACSR Dog	8.5	2009	
230	Valappad - Kaipamangalam No.I	Thrissur	3VAKP 1	ACSR Dog	10.7	2005	
231	Valappad - Kaipamangalam No.II	Thrissur	3VAKP 2	ACSR Dog	10.7	2005	
232	Vandiperiyar - Kumily	TC Thodupuzha	3VDKM	ACSR Dog	13	2019	
233	Varkala - Vilakulam			300 sq.mm UG (3.7) + OH (1.8)	5.5		
234	Vellangalore-Anchangady	Thrissur	3VLAN	COVERED CONDUCTOR	7.8	2021	
235	Vennakkara- Palakkad Vydhyuthi Bhavan			UG Cable + OH	5		
236	Vidyanagar - Ananthapuram	Electrical section Kumbala	3VDAN	ACSR Dog	9.3	2008	

Table-34 33 kV lines contd..

Sl. No.	Name of Line	Transmission Circle/LMS	Feeder code	Conductor	Length (ckt.km)	Year of Commissioning	Remarks
237	Vidyanagar - Kasargod Town	Electrical section Nellikunu	3VDKS	UG Cable+ACSR Dog	5	12.03.2017	
238	Vilangad HEP-Nadapuram	TC Kozhikode	3VGND	3*300 Sq.mm XLPE	14.5	2014	
239	Vithura - IISER			300 sq.mm XLPE	13.4		
240	Viyyur - Parappur No.I	Thrissur	3VIPA 1	ACSR Dog	13.6	2008	
241	Viyyur - Parappur No.II	Thrissur	3VIPA2	ACSR Dog	13.6	2008	
242	Viyyur - Poomala	Thrissur	3VIPO	ACSR Dog	11	2008	
243	Wadakkanchery - Mulloorkara	Thrissur	3WDML	ACSR Dog	7.3	2003	
244	Wandoor - Kalikavu	MALAPPURAM	3WNKL	ACSR Dog	11.5	2010	
245	WANDOOR -KALIKAVU-T-POOKKOTTUMPADAM	MALAPPURAM	3WNKL-T-PP	ACSR Dog	10	2019	
<b>33kV LINE-Total in Ckt.KM</b>					<b>2349.412</b>		<b>UG-136.837</b>

<b>ABSTRACT OF TRANSMISSION LINES As on 31.03.2023</b>	
<b>Description</b>	<b>Total Length (Ckt.km)</b>
400 kV line( PGCIL owned)	1155.56
400 kV line( KSEBL owned)	177.026
320 kV line( PGCIL owned)	132.727
220 kV line( PGCIL owned)	467.32
220 kV line( KSEBL owned)	3145.983
110 kV line (KSEBL owned)	5460.85
66 kV line (KSEBL owned)	1542.232
<b>EHT lines (KSEBL + PGCIL)</b>	<b>12081.698</b>
33 kV line (KSEBL owned)	2349.412
<b>Transmission lines (KSEBL+PGCIL)</b>	<b>14431.11</b>



**TABLE 35**  
**COST PER UNIT SENT OUT**

(All figures in Ps.)

Sl. No	Year	At Generation end		At Transmission end		At Distribution LT side	
		Including interest charges	Excluding interest charges	Including interest charges	Excluding interest charges	Including interest charges	Excluding interest charges
1	2013-14	417	408	446	428	659	614
2	2014-15	382	379	422	416	625	578
3	2015-16	357	354	393	388	586	542
4	2016-17	413	410	448	443	659	613
5	2017-18	339	332	394	377	637	569
6	2018-19	60	42	398	389	653	618
7	2019-20	76	67	399	395	632	609
8	2020-21	81	72	403	397	730	693
9	2021-22	51	49	421	416	651	616
10	2022-23*	122	117	568	559	677	632

\* Provisional figures

TABLE 36

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

As on 31-3-2023

Region	Sector	Mode wise breakup									Total
		Thermal					Nuclear	Renewable			
		Coal	Lignite	Gas	Diesel	Total		Hydro	RES* (MNRE)	Renewable (Total)	
Northern Region	State	17885.00	250.00	2878.90	0.00	21013.90	0.00	6008.25	737.20	6745.45	27759.35
	Private	22324.33	1080.00	558.00	0.00	23962.33	0.00	3241.00	31897.67	35138.67	59101.00
	Central	15248.34	250.00	2344.06	0.00	17842.40	1620.00	11502.51	379.00	11881.51	31343.91
	<b>Sub Total</b>	<b>55457.67</b>	<b>1580.00</b>	<b>5780.96</b>	<b>0.00</b>	<b>62818.63</b>	<b>1620.00</b>	<b>20751.76</b>	<b>33013.87</b>	<b>53765.63</b>	<b>118204.26</b>
Western Region	State	21290.00	900.00	2849.82	0.00	25039.82	0.00	5446.50	602.23	6048.73	31088.55
	Private	31562.17	500.00	4676.00	0.00	36738.17	0.00	481.00	38203.07	38684.07	75422.24
	Central	21610.42	0.00	3280.67	0.00	24891.09	1840.00	1635.00	666.30	2301.30	29032.39
	<b>Sub Total</b>	<b>74462.59</b>	<b>1400.00</b>	<b>10806.49</b>	<b>0.00</b>	<b>86669.08</b>	<b>1840.00</b>	<b>7562.50</b>	<b>39471.60</b>	<b>47034.10</b>	<b>135543.18</b>
Southern Region	State	21392.50	0.00	791.98	159.96	22344.44	0.00	11827.48	623.08	12450.56	34795.00
	Private	13158.50	250.00	5340.24	273.70	19022.44	0.00	0.00	49117.94	49117.94	68140.38
	Central	12454.34	3390.00	359.58	0.00	16203.92	3320.00	0.00	541.90	541.90	20065.82
	<b>Sub Total</b>	<b>47005.34</b>	<b>3640.00</b>	<b>6491.80</b>	<b>433.66</b>	<b>57570.80</b>	<b>3320.00</b>	<b>11827.48</b>	<b>50282.92</b>	<b>62110.40</b>	<b>123001.20</b>
Eastern Region	State	6970.00	0.00	80.00	0.00	7050.00	0.00	3550.22	278.11	3828.33	10878.33
	Private	5553.00	0.00	0.00	0.00	5553.00	0.00	209.00	1525.07	1734.07	7287.07
	Central	15176.70	0.00	0.00	0.00	15176.70	0.00	1005.20	10.00	1015.20	16191.90
	<b>Sub Total</b>	<b>27699.70</b>	<b>0.00</b>	<b>80.00</b>	<b>0.00</b>	<b>27779.70</b>	<b>0.00</b>	<b>4764.42</b>	<b>1813.18</b>	<b>6577.60</b>	<b>34357.30</b>
North Eastern Region	State	0.00	0.00	411.36	36.00	447.36	0.00	422.00	246.25	668.25	1115.61
	Private	0.00	0.00	0.00	0.00	0.00	0.00	0.00	263.56	263.56	263.56
	Central	610.20	0.00	1253.60	0.00	1863.80	0.00	1522.01	30.00	1552.01	3415.81
	<b>Sub Total</b>	<b>610.20</b>	<b>0.00</b>	<b>1664.96</b>	<b>36.00</b>	<b>2311.16</b>	<b>0.00</b>	<b>1944.01</b>	<b>539.81</b>	<b>2483.82</b>	<b>4794.98</b>
Islands	State	0.00	0.00	0.00	84.35	84.35	0.00	0.00	5.25	5.25	89.60
	Private	0.00	0.00	0.00	35.19	35.19	0.00	0.00	28.08	28.08	63.27
	Central	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.10	5.10	5.10
	<b>Sub Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>119.54</b>	<b>119.54</b>	<b>0.00</b>	<b>0.00</b>	<b>38.43</b>	<b>38.43</b>	<b>157.97</b>
ALL INDIA	State	67537.50	1150.00	7012.06	280.31	75979.87	0.00	27254.45	2492.12	29746.57	105726.44
	Private	72598.00	1830.00	10574.24	308.89	85311.13	0.00	3931.00	121035.39	124966.39	210277.52
	Central	65100.00	3640.00	7237.91	0.00	75977.91	6780.00	15664.72	1632.30	17297.02	100054.93
	<b>Total</b>	<b>205235.50</b>	<b>6620.00</b>	<b>24824.21</b>	<b>589.20</b>	<b>237268.91</b>	<b>6780.00</b>	<b>46850.17</b>	<b>125159.81</b>	<b>172009.98</b>	<b>416058.89</b>

Figures at decimal may not tally due to rounding off

## \*Break up of Renewables

Small Hydro Power	Wind Power	Bio Power		Solar Power	Total capacity
		BM Power /Co-gen	Waste to Energy		
4944.30	42633.13	10248.01	554.03	66780.34	<b>125159.81</b>

Source: CEA Report

**TABLE 37**  
**ALL INDIA INSTALLED GENERATION CAPACITY (MW) OF POWER UTILITIES (State wise)**

As on 31-3-2023

State / UT / Utilities	Mode wise breakup									Grand Total
	Thermal					Nuclear	Renewable			
	Coal	Lignite	Gas	Diesel	Total		Hydro	RES* (MNRE)	Total	
Delhi	3649.5	0	2115.41	0	5764.91	102.83	723.09	302.26	1025.35	6893.09
Haryana	8638.39	0	581.59	0	9219.98	100.94	2324.62	1362.09	3686.71	13007.63
Himachal Pradesh	144.67	0	0	0	144.67	28.95	3248.88	1067.4	4316.28	4489.9
Jammu & Kashmir & Ladakh	577.14	0	304.07	0	881.22	67.98	2321.88	244.91	2566.79	3515.99
Punjab	8214	0	150	0	8364	196.81	3818.28	1865.63	5683.91	14244.72
Rajasthan	11747.56	1580	774.63	0	14102.19	556.74	1941.93	22398.05	24339.98	38998.91
Uttar Pradesh	20387.75	0	1029.51	0	21417.26	289.48	3424.02	4781.05	8205.07	29911.81
Uttarakhand	622.8	0	519.66	0	1142.46	31.24	2095.89	933.79	3029.68	4203.38
Chandigarh	44.83	0	15.03	0	59.86	8.01	101.71	58.69	160.4	228.27
Central unallocated	1431.03	0	291.05	0	1722.08	237.03	751.45	0	751.45	2710.56
<b>Total Northern Region</b>	<b>55457.67</b>	<b>1580</b>	<b>5780.95</b>	<b>0</b>	<b>62818.63</b>	<b>1620.01</b>	<b>20751.75</b>	<b>33013.87</b>	<b>53765.62</b>	<b>118204.26</b>
Goa	492.29	0	67.67	0	559.96	26	2	26.88	28.88	614.84
Daman & Diu	164.74	0	43.34	0	208.08	7	0	41.01	41.01	256.09
Gujarat	17159.14	1400	6586.82	0	25145.96	559	772	19435.85	20207.85	45912.81
Madhya Pradesh	15912.54	0	332	0	16244.54	273	3223.66	5905.08	9128.74	25646.28
Chattisgarh	12221.85	0	0	0	12221.85	48	233	1299.82	1532.82	13802.67
Maharashtra	25254.24	0	3512.73	0	28766.97	690	3331.84	12757.5	16089.34	45546.31
Dadra & Nagar Haveli	422.3	0	66.34	0	488.64	9	0	5.46	5.46	503.1
Central unallocated	2835.49	0	197.59	0	3033.08	228	0	0	0	3261.08
<b>Total Western Region</b>	<b>74462.59</b>	<b>1400</b>	<b>10806.49</b>	<b>0</b>	<b>86669.08</b>	<b>1840</b>	<b>7562.5</b>	<b>39471.6</b>	<b>47034.1</b>	<b>135543.18</b>
Andhra Pradesh	11230.92	180.23	4066.72	36.8	15514.68	127.27	1673.6	9360.18	11033.78	26675.73
Telangana	9438.8	61.3	831.82	0	10331.92	148.73	2479.93	5105.37	7585.3	18065.95
Karnataka	9947.56	471.9	0	25.2	10444.66	698	3631.6	16719.23	20350.83	31493.49
Kerala	2059	314.2	533.58	159.96	3066.74	362	1864.15	1092.95	2957.1	6385.84
Tamilnadu	12762.26	1916.57	1027.18	211.7	15917.71	1448	2178.2	17969.66	20147.86	37513.57
NLC	0	166	0	0	166	0	0	0	0	166
Pondicherry	140.8	111.8	32.5	0	285.1	86	0	35.53	35.53	406.63
Central unallocated	1426	418	0	0	1844	450	0	0	0	2294
<b>Total Southern Region</b>	<b>47005.34</b>	<b>3640</b>	<b>6491.8</b>	<b>433.66</b>	<b>57570.81</b>	<b>3320</b>	<b>11827.48</b>	<b>50282.92</b>	<b>62110.4</b>	<b>123001.21</b>
Bihar	7055.06	0	0	0	7055.06	0	110	389.6	499.6	7554.66
Jharkhand	2361.25	0	0	0	2361.25	0	191	114.19	305.19	2666.44
West Bengal	8616.41	0	80	0	8696.41	0	1396	621.57	2017.57	10713.98
DVC	3026.88	0	0	0	3026.88	0	186.2	0	186.2	3213.08
Odisha	4989.85	0	0	0	4989.85	0	2163.22	628.02	2791.24	7781.09
Sikkim	11.92	0	0	0	11.92	0	633	59.8	692.8	704.72
Central unallocated	1638.33	0	0	0	1638.33	0	85.01	0	85.01	1723.34
<b>Total Eastern Region</b>	<b>27699.7</b>	<b>0</b>	<b>80</b>	<b>0</b>	<b>27779.7</b>	<b>0</b>	<b>4764.43</b>	<b>1813.18</b>	<b>6577.61</b>	<b>34357.31</b>
Assam	402.52	0	741.92	0	1144.44	0	522.08	184.04	706.12	1850.56
Arunachal Pradesh	37.05	0	46.82	0	83.87	0	544.55	144.75	689.3	773.17
Meghalaya	0	0	109.69	0	109.69	0	417.38	50.48	467.86	577.55
Tripura	0	0	486.94	0	486.94	0	68.49	33.61	102.1	589.04
Manipur	15.68	0	81.58	36	133.26	0	87.24	17.73	104.97	238.23
Nagaland	32.1	0	73.93	0	106.03	0	66.33	35.71	102.04	208.07
Mizoram	10.35	0	60.46	0	70.81	0	97.94	73.49	171.43	242.24
Central unallocated	112.5	0	63.62	0	176.12	0	140	0	140	316.12
<b>Total North Eastern Region</b>	<b>610.2</b>	<b>0</b>	<b>1664.96</b>	<b>36</b>	<b>2311.16</b>	<b>0</b>	<b>1944.01</b>	<b>539.81</b>	<b>2483.82</b>	<b>4794.98</b>
Andaman & Nicobar Island	0	0	0	92.71	92.71	0	0	35.16	35.16	127.87
Lakshadweep	0	0	0	26.83	26.83	0	0	3.27	3.27	30.1
<b>Total Islands</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>119.54</b>	<b>119.54</b>	<b>0</b>	<b>0</b>	<b>38.43</b>	<b>38.43</b>	<b>157.97</b>
<b>GRAND TOTAL</b>	<b>205235.5</b>	<b>6620</b>	<b>24824.2</b>	<b>589.2</b>	<b>237268.92</b>	<b>6780.01</b>	<b>46850.17</b>	<b>125159.81</b>	<b>172009.98</b>	<b>416058.91</b>

Figures at decimal may not tally due to rounding off

Source: CEA Report

## **PSS 2022-23**

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