

## 10. ELECTRICITY

### 10.1 No.of Power Stations

YEAR:2005-2006

Sl.No.	Name of the Power Stations	Year of Operation	Installed Capacity (M.W.)	Total generation (M.U)	Station Consumption (M.U.)	Nett Unit sent out (M.U.)
1	2	3	4	5	6	7
1	Lower Mettur Barrage Power House II Nerunjipettai	18	2x15	92.22	0.6583	91.5617
2	Barrage Power House III K.K.Medu.	19	2x15	88.310	0.8556	87.4544
3	Barrage Power House IV Ooratchikottai	18	2x15	67.19	0.7695	66.4205
4	Micro Hydel Power House Bhavani Sagar	16	4x2	37.96	0.0641	37.89594
5	Right Bank Canal Power House/ Bhavani Sagar	9	2x4	25.04	0.0084	25.0316

Source: S.E. T.N.E.B. EEDC/Erode.

## 10.8 Rural Electrification

YEAR:2005-2006

Towns	Village	Hamlet	Agricultural Pumpset	Town	Village	Hamlet	Agricultural Pumpset
1	2	3	4	5	6	7	8
<b>All villages are electrified</b>							

Source: S.E., T.N.E.B., Erode -9

## 10.7 Capacity of Transformers

YEAR:2005-2006

Sl.No.	Name of the Stations / Sub Stations	Capacity
1	2	3
<b>E.H.T. SUB - STATIONS</b>		
1	Erode 110/22KV -4Nos	64000
2	Ingur 110/33 - 11 KV - 2Nos	41000
3	Ingur 110/33 - 11 KV - 2Nos	20000
4	Elumathur 110/22 - 11 KV -1No.	10000
5	Elumathur 110/22 - 11 KV -1No.	10000
6	Kodumudi 110/11 KV-1No	10000
7	Kangayam 110/33 - 11KV -1	25000
8	Kangayam 110/33 - 11KV -1	16000
9	Kavindapadi 110/22 - 11KV -2Nos	20000
10	Kavindapadi 110/22 - 11KV -2Nos	10000
11	Sivagiri 110/11 KV -2 No	20000
12	Rasathavalasu 110/33 - 11 KV -2Nos.	32000
13	Rasathavalasu 110/33 - 11 KV -1No.	5000
14	Perundurai SIPCOT 110/11 KV -1No.	10000
15	Perundurai SIPCOT 110/11 KV -1No.	16000
16	Suriampalayam 110/22 KV - 2No.	32000
17	Kaspapettai 110/22 KV ss - 1No.	16000
18	Ghandhinagar 110/22 - 1	10000
19	Ghandhinagar 110/22 - 1	10000
20	Mettukadai 110/22 - 1	16000
21	Nadupalayam 110/22 - 1	10000
22	Nadupalayam 110/22 - 1	10000
23	Gobi 230/110 KVSS	2 X100MVA
24	Gobi	2 X10MVA

**HIGH TENSION SUB - STATIONS**

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1	Kunnathur 33/11 KV - 2Nos.	13000
2	Thingalore 33/11 KV -2Nos.	10000
3	Chennimalai 33/11 KV - 2Nos	10000
4	Uthukuli 33/11 KV - 2Nos	13000
5	Pallagoundenpalayam 33/11 KV -2Nos.	8000
6	Palayakottai 33/11 KV -1No.	8000
7	Vellakoil 33/11 KV - 2Nos.	13000
8	Muthur 33/11 KV - 2Nos.	11000
9	Vellode 33/11 KV (UM) - 1No.	5000
10	Kasturibagramam 33/11KV (UM) -1No.	5000
11	Ellapalayampudur 33/11KV -2Nos.	5000
12	Sivan Malai 33/11KV (UM) -1No.	5000
13	Mettupalayam 33/11 KV (UM) -1No.	3150
14	Dasanaikanpatty 33/11 Kv (UM) - 1No.	8000
15	Arachalur 33/11 KV (UM) -1No.	8000
16	Olapalayam 33/11 KV	8000
17	Alampady 33/11 (UM)	8000
18	Sanitorium 33/11 (UM)	8000
19	Gobi/110/11 KVSS	2X16MVA
20	T.N.palayam 110/11 kvss	1X10MVA
21	Nambiyur 110/11 kvss	2X10MVA
22	Karattupalayam110/11 kvss	1X10MVA
23	Kugalur 110/22 kvss	1X10MVA
24	Kugalur 110/11 kvss	1X10MVA
25	Bhavanisagar 110/11 kvss	2X10MVA
26	Pulliapatty110/11 kvss	2X10MVA
27	Shenbagapudur 110/11kvss	2X10MVA
28	Gazallatty 110/11 kvss	1X4MVA
29	Thalavady 110/11 kvss	1X10MVA
30	Periyakodivery 110/11 kvss	2X10MVA
31	Anthiyur 110/22 kvss	2X25MVA
32	Koneripatty 110/22 kv ss	1X10MVA
33	Chennampatty 110/22 kv ss	1X10MVA
34	Dhalavaipettai 110/22 kv ss	2X10MVA
35	Kavilipalayam 110/ 11kv ss	1X10MVA
36	Mulanur 110/33KVS	3X10MVA
37	Kundadam 110/22KVSS	2X16MVA
38	Marudhur 110/22 KVSS	4X16MVA
39	Marudhur 110/22 KVSS	1X25MVA
40	Dharapuram 110/22 KVSS	2X16MVA
41	Kannivady 33/11 kvss	1X8MVA

Source: S.E.,T.N.E.B., Erode.

## 10.6 Transmission and Distribution of Electricity

YEAR:2005-2006

Sl.No	Item	Unit	Achievement
1	2	3	4
1	Nadu Palayam 110/22 KV	2	20000 KVA

Source: S.E., T.N.E.B., Erode - 9

## 10.5 Revenue from Electric Schemes and Cost per unit

YEAR:2005-2006

Sl.No	Sectors	Cost per Unit	Income Rs. In '000'
1	2	3	4
1	Government II B	Rs. 4.40	67729
2	Public II A	Rs. 3.50	401182
3	Private I A	Unit            Rate upto 50        0.75 51 to 100      0.85 101-200        1.50 201-600        2.20 601-Above      3.05	646489
	III A	upto500        1.60 501-1500       2.50 1501above      3.00	270513
	III B	upto1500       3.50 1501above      4.30	1449838
	V	upto200        4.50 201above       5.00	886605
	VI	OTHERS	
Total			3722356

Source: S.E., T.N.E.B., Erode, Gobi &amp; Dharapuram.

## 10.4 Peak Demand and Energy Output

**YEAR:2005-2006**

( in MVA)

Power Demand	Details
1	2
1. Instantaneous peak demand	662.2
2. Sustained peak demand	557.5

Source: S.E., T.N.E.B., Erode & Gobi.

## 10.3 Power Consumption Sectorwise

YEAR:2005-2006

Sl.No.	Sectors	Consumption (M.U)	% of the Consumption
1	2	3	4
1	Industries	878.15	31.11
2	Agriculture & Huts	636.55	22.55
3	Domestic	797.92	28.27
4	Commercial	265.75	9.42
5	Public lighting and Public Works	182.39	6.46
6	Sales to licencees	0.00	0
7	Sales to other States	0.00	0
8	Miscellaneous	61.68	2.19
	Total	2822.44	100.00

Source: S.E., T.N.E.B., Erode,Gobi &amp; Dharapuram.

## 10.2 QUANTUM OF POWER PURCHASED

YEAR:2005-2006

Sc. No.	Power purchased Sectors Name	Power purchased (in Lakh.Unit).
HT 7	M/s Sakthi Sugars (p) Ltd	1648.77
112	M/s DCW LTD, Mumbai	771620
113	M/S DCW Home products, Ltd, Chennai	792625
114	M/s DCW Finance LTD, Mumbai	1125350
166	M/s Ganga wind farm, Sahibabad	2137342
167	M/s Cauvery wind farm. Ghaxiabad	1833540
168	M/s Yamuna wind farm, Sahibabad	2115620
169-170	M/s Empee Inter.National Hotels & Resorts Ltd, Chennai	274812
214 - 217	M/s Ushdev International	2501450
220-222	M/s Empee Distelleries Ltd	2341540
230	M/s Kody wind farm	395800
231	M/s Sun wind farm	305240

Source: S.E., T.N.E.B., Dharapuram.

### 10.9 Name and Address of Fault Report Offices

YEAR:2005-2006

Sl.No.	Name of the Blocks/Municipalities	Name of the Stations/Sub Stations	No.of fault reported
1	2	3	4
1	ERODE	All the O&M Section Offices Functioning in Erode District are Under taking Operation and Maintainance works	

Source: S.E., T.N.E.B., Erode.