

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.)	Generation (M.U.)	Station Consumption (M.U.)	Nett Unit sent out (M.U.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	Hydro	-	-	-	-	-
2.	Thermal	-	-	-	-	-
3.	Gas Turbine	-	-	-	-	-
4.	Wind Mills	-	-	-	-	-
5.	Atomic	1986	220	1852	188	1649

Source: 1. S.E, Kancheepuram Electricity distribution circle, O.M pettai, Kpm.

2. S.E, Chengalpattu, Electricity distribution circle, Chengalpattu

3. S.E, Chennai Elec. Distribution circle south, K.K. Nagar chennai- 78.

4. Madras Atomic Power Station, Kalpakkam-603 102.

10.2 QUANTUM OF POWER PURCHASED

Year: 2005-2006

Power purchased sectors name	Power purchased in M.U.
(1)	(2)
M/s Mohan Breweries Distilleries	Nil
M/s S.V.Sugar Mill Ltd.	2.702
Atomic Powerstation Kalpakkam	-
M/s Sastha paper Ltd.	0.766
Wind Eergy	0.766
Trident Textile Mills pvt.Ltd.,	2.15
Annai Flour Mills Pvt.Ltd.,	0.768
Saint Gobain Glass India Ltd.,	0.063
Global Corporation Ltd.,	0.25

S.E, Kancheepuram Electricity distribution circle, O.M pettai, Kpm, Chpt

10.3 Power Consumption Sector wise

Year: 2005-2006

Sl.No.	Sectors	Consumption (M.U.)	% Of the Consumption	Kancheepuram Div.	CPT Div.	KK Nagar Div
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	Industries	1119.544	13.21	22.964	882.14	214.44
2.	Agriculture & Huts	171.420	2.02	116.300	55.12	--
3.	Domestic	5952.522	70.26	124.012	105.90	5722.61
4.	Commercial	1125.258	13.28	21.208	54.41	1049.64
5.	Public lighting and Public Works	83.316	1.00	18.408	27.008	37.90
6.	Sales to licencees	-		-	-	-
7.	Sales to other States	-		-	-	-
8.	Miscellaneous	20.484	0.23	-	20.484	-
	Total	8472.544	100.00	302.892	1145.062	7024.59

Source: 1. S.E, Kancheepuram Electricity distribution circle, O.M pettai, Kpm.
 2. S.E, Chengalpattu, Electricity distribution circle, Chengalpattu
 3. S.E, Chennai Elec. Distribution circle south, K.K. Nagar chennai- 78.

10.4 Peak Demand and Energy Output

Year: 2005-2006

Power Demand	KPM	CPT	KK Nagar	Total
(1)	(2)	(3)	(4)	(5)
1. Instantaneous peak demand	197.547	--	196.039	393.586
2. Sustained peak demand	185.688	307.760	--	493.448

Source: 1. S.E, Kancheepuram Electricity distribution circle, O.M pettai, Kpm.
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10.5 Revenue from Electric Schemes and cost per unit

Year: 2005-2006

Sectors	Unit in Range	Rate/Per Unit	2003-2004	2005-2006
(1)	2.	(3)	(4)	(5)
1. Domestic	1-50	-	1.10	0.65/0.75
	51-100	-	1.30	0.75/0.85
	1 – 50	-	1.10	-
	51 – 100	-	1.30	-
	101 – 200	-	2.60	1.50
	201 – 600	-	3.50	2.20
	601 – 1000	-	4.75	3.05
	above 1000	-	4.75	-

Source: District Electricity Board, Kancheepuram

10.6 Transmission and Distribution of Electricity

Year: 2005-2006

Sl.No. (1)	Item (2)	Unit (3)	Achievement (4)
1.	Kancheepuram Division		
	Kancheepuram	114.56	Commissioned
	110/33/11 KVSS	-	Commissioned
	Kaliyampoondi	10.557	Commissioned
	110/33-11 KVSS	-	Commissioned
	Vilakkanampoondi Pudur	-	Commissioned
	33/11KVSS	-	Commissioned
	Orikkai 110/11kv	64.770	Commissioned
	SV chatram 33/11kv	21.932	Commissioned
	Walajabad 33/11kv	34.965	Commissioned
	Damal 110/33-11kv	33.696	Commissioned
	Nelvoy 33/11kv	20.166	Commissioned
	Perunagar 33/11kv	18.700	Commissioned
	Musaravakkam 33/11kv	27.710	Commissioned
	Magaral 110/11kv	15.634	Commissioned
	Neervallur 110/33/11kv	8.144	Commissioned
	Pillaiyarpalayam 33/11kv	10.868	Commissioned
	Paranthur 33/11kv	3.115	Commissioned
2.	Chengalpattu Division		
	Acharapakkam	1*100MVA	Commissioned
	230/110 KVSS	-	
	Kadambathur	1*10MVA	Commissioned
	110/11KVSS	-	
	Perambakkam	1*16MVA	Commissioned
	110/11 KVSS	-	
	Polambakkam	1*5MVA	Commissioned
	33/11 KVSS	-	
	Illedu	1X10 MUA	Commissioned
	110x11 kvss		
	Veerapuram	1X10 MUA	Commissioned
	33/11KVS		Commissioned
	Thirukazhukundram	1X16 MUA	Commissioned
	110/11kvs		
	Thinnalur	33 KV	Commissioned
	110/11 KVS	1X16 MUA	Commissioned
	Madhuranthakam	1*8+1*5MVA	
	33/11KVSS	-	
	Illedu 110/11KVS	1x10MVA	
	Veerapuram 33/11KVS	1X10MVA	
	Thirukalzhukundram	1X60MVA	
	110/11KVS		
	Thinnalur 110/11KVS	33KV	
	Maraimalainagar	1X16MVA	
	110/33KVS		

3	K.K. Nagar Division		
	Tidal Park	9.936MU	6.603MU
	110/33/11KVSS		
	Ramapuram	7.622MU	6.967MU
	110/11KVSS		
	Virugambakkam	6.301MU	5.892MU
	33/11KVSS		
	Thuraipakkam	6.524MU	5.972MU
	33/11KVSS		
4	Pammal	5.967MU	5.609MU
	33/11 KVSS		
	Nuclear Power Corp. of India Ltd., Kalpakkam.		
	i) TNEB	399	
	ii) Kerala	94	--
	iii) Karnataka	159	--
iv) Andhra	163	--	
v) Pandi	29	--	
vi) IGCAR	72	--	

Source: 1. S.E, Kancheepuram Electricity distribution circle, O.M pettai, Kpm.

2. S.E, Chengalpattu, Electricity distribution circle, Chengalpattu

3. S.E, Chennai Elec. Distribution circle south, K.K. Nagar chennai- 78.

10.7 Capacity of Transformers

Year: 2005-2006

Sl.No.	Name of the Stations / Sub Stations (1)	Capacity in KVA (2)
1.	Sriperumpudur 400/230-110 KVSS	1030000
2.	Singaperumal Koil 230/110 KVSS	330000
3.	Chengalpet 110/33-11 KVSS	36000
4.	Mossivakkam 110/33-11 KVSS	26000
5.	Acharapakkam 230/110 KVSS	100000
6	Acharapakkam 110/33-11 KVSS	51000
7.	Sriperumpudur 110/33-11 KVSS	36000
8.	Maraimalainagar 110/11 KVSS	46000
9.	Thirupporur 110/11 KVSS	10000
10.	Mambakkam 110/11 KV SS	20000
11.	Alathur 110/11 KVSS	10000
12	Irrungattukotti 110/11 KVSS	16000
13.	Thirukazhukundram 33/11 KVSS	10000
14.	Sadras 33/11 KVSS	5000
15.	Guduvancherry 33/11 KV SS	16000
16.	Maduranthagam 33/11 KV SS	13000
17.	Orathy 33/11 KV SS	6300
18.	Nugumbal 33/11 KV SS	10000
19.	Kadugupattu 33/11 KV SS	6000

20.	Nerumbur 33/11 KV SS	8000
21.	Palanjur 33/11 KV SS	5000
22.	CMC Hospital 33/11 KV SS	5000
23.	Thirumazhiissasi 110/33-11KVSS	36000
24.	Siruseri 110/11KVSS	10000
25.	Polambakkam 33/KVS	5000
26.	Illedu 110/11kvss	10000
27.	Veerapuram 33/11kvs	10000
28.	Cheyyur 110/11kvs	10000
29.	Perampakkam 110/11kvs	16000
30.	Thirunindram33 /11kvs	16000
31.	Kilanur 33/11kvs	16000
32.	Kadambathur 110/11 KVSS	10000
33.	Perambakkam 110/11 KVSS	16000
34.	Thiruninravur 33/11KVSS	16000
35.	Kilanur 33/11 KVSS	13000
36.	Kancheepuram 110/33 -11 KVSS	82000
37.	Orikkai 110/11 KV	20000
38.	Neervalur 110/33 – 11 KV	1X10 MVA
39.	Kaliambondi 110/33-11 KV	2X26MVA
40.	Pillaiyarpalayam 33/11KV	1X8MVA
41.	Devariambakkam 33/11 KVL	1X1MVA
42.	S.V. Chtram 33/11 KV	6300
43.	Walajabad 33/11 KV	10000
44.	Damal 33/11 KV	13000
45.	Nelvoy 33/11 KV	10000
46.	Perunagar 33/11 KV	10000
47.	Musaravakkam 33/11 KV (UM)	5000
48.	Magaral 33/11 KV (UM)	8000
49.	Palur 33/11 KV (LT)	3000
50.	Perungudi 33/11 KV	8000
51.	Nanganallur 33/11 KV	8000
52.	ST. Thomas Mount 33/11 KV	8000
53.	Pallavaram 33/11 KV	8000
54.	Perunkalathur 33/11 KV	8000
55.	Kadapai 230/110/33/11KVSS	272000
56.	Velacherry 110/33/11 KVSS	132000
57.	Kadapperi 110/33/11 KVSS	99000
58.	Alandur 33/11 KV	8000
59.	Virugambakkam 33/11 KV	8000
60.	Pammal (Unmanned) 33/11 KV	8000
61.	Generator Transformer#1Kalpakkam	260
62.	Generator Tranformer# 2Kalpakkam	260

10.8 Rural Electrification

Year: 2005-2006

Electrified during the year				Electrified unto the year			
Agricultural Pump set (1)	Village (2)	Hamlet (3)	Agricultural Pumpset	Town (5)	Village (6)	Hamlet (7)	Agricultural Pump set (8)
-	-	-	507	All	All	All	76591

Source: 1. S.E.; Kancheepuram, Electricity Board, O.M.Pettai, Kpm.

2. S.E, Chengalpattu, Electricity distribution circle, Chengalpattu

3. S.E, Chennai Elec. Distribution circle south, K.K. Nagar chennai- 78.

10.9 Name and address of fault report offices

Year: 2005-2006

Sl.No. (1)	Name of the Blocks/Municipalities (2)	Name of the Stations/Sub Stations (3)	No.of fault reported (4)
	All section officers in various places in kancheepuram, Chengalpattu and K.K nagar divisions are fault reported section.		696