

10. ELECTRICITY

10.1 No.of Power Station

Year : 2005-2006

Sl. No	Name of the Power Stations	Year of Operation	Installed Capacity (M.U.)	Generation (M.U.)	Station Consumption (M.U)	Net Unit Sent out (M.U.)
1	2	3	4	5	6	7
1	Hydro	-	-	-	-	-
2	Thermal	-	-	-	-	-
3	Gas Turbine	-	-	-	-	-
4	Wind Mills	-	-	-	-	-

Source : 1. Superintending Engineer, TNEB., Velloer.6.
2. Superintending Engineer, TNEB. Thirupathur.

10.2 QUANTUM OF POWER PURCHASED

Year : 2005-2006

Power Purchased Sectors Name (1)	Power Purchased in M.U. (2)
NOT APPLICABLE	

10.3 POWER CONSUMPTION SECTOR WISE

Year : 2005-2006

Sl.No	Sectors	Consumption in M.U		% of Consumption	
		Vellore	Tirupathur	Vellore	Tirupathur
1	Industries	1028.125	0.539	1.78	1.29
2	Agriculture & Huts	13228.600	10.095	22.90	22.29
3	Domestic	3151.087	28.839	5.40	63.69
4	Commercial	5414.798	4.379	9.27	9.68
5	Public lightening & Public Works	1362.150	1.375	2.34	3.05
6	Sales to licencess	0.00	0.000	0.00	0.00
7	Sales to other States	0.00	0.000	0.00	0.00
8	Miscellaneous	33785.500	0.000	58.31	0.00
9	Railway Line		0.000	0.00	0.00
	Total	57970.26	45.227	100	100

10.4 PEAK DEMAND AND ENRGY OUTPUT

Year : 2005-2006

Power Demond (1)	Details	
	Vellore (2)	Tirupathur (3)
1. Instantanneous Peak demand	214 MVA	179.165 MVA
2. Sustained peak demand	190.4 MVA	130.800 MVA

10.5 REVENUE FROM ELECTRIC SCHEMES AND COST PER UNIT

Year : 2005-2006

Sector	Cost per unit in Rs.		Income in Rs.in '000'	
	Vellore	Tirupathur	Vellore	Tirupathur
1. Government	3.575	---	11044.91	---
2. Public				
3. Private				
Total				

Source : 1. S.E., Vellore Electrical Division, Vellore.6.
2. S.E., Tirupathur Electrical Division, Tirupathur.

10.6 TRANSMISSION AND DISTRIBUTION OF ELECTRICITY

Year : 2005-2006

Sl.No	Item	Unit	Achievement	
			Vellore	Thirupathur
(1)	(2)	(3)	(4)	(5)
1	H.T. Lines	KM	61	37.726
2	L.T. Lines	KM	294	76.659
3	Distric Trans formers	KVA	129	86
4	Domestic	Nos	13064	13068
5	Industrial	..	599	181
6.	Commercial	..	3921	2265
7	Public Water Works	..	135	661
8	Public Street Lights	..	1507	181
9	Agricultural	..	771	550
10	Huts	..	600	1600
11	Others	..	500	31

10.7 CAPACITY OF TRANSFORMERS

Year : 2005-2006

Sl.No	Name of the SUB STATION	Voltage Ratio	Nos	Capacity in MVA
(1)	(2)	(3)	(4)	(5)
1	Singarapet	230/110	3	150 MVA
2	Vinnamangalam	230/110	2	100 MVA
3	Tirupattur	110/33	2	32 MVA
		110/11	1	16 MVA
4	Pakkam	110/33	2	26 MVA
		110/11	1	20 MVA
5	Vinnamangalam	230/10	2	100 MVA
		110/11	1	10 MVA
6	Vadakathipatty	110/33	1	16 MVA
		110/11	1	10 MVA
7	Anaicut	110/11	1	10 MVA
8	Paravakkal	110/11	1	10 MVA
9	Pernambut	110/11	1	10 MVA
10	Chinnavarigam	110/11	2	20 MVA
11	Vaniyambadi	110/11	2	20 MVA
12.	Alangayam	110/33	1	10MVA
		110/11	1	7.5 MVA
13.	Singarapet	110/33	2	32 MVA
		33/11	1	8 MVA
14.	Ambur	66/11	3	15 MVA
15.	Odugathur	33/11	2	13 MVA
16.	Kandhili	33/11	1	8 MVA
17.	Koratty	33/11	1	8 MVA
18.	Natrampally	33/11	1	8 MVA
19.	Kethandapatty	33/11	1	8 MVA
20.	Seduckarai	33/11	2	16 MVA
21.	Paradarami	33/11	1	5 MVA
22.	Kavalur	33/11	1	1 MvA

10.8 RURAL ELETRIFICATION

Year : 2005-2006

Electrified during the year				Electrified upto the year			
Townns	Villages	Hamlet	Agricultural Pumpset	Townns	Villages	Hamlet	Agricultural Pumpset
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Vellore	100%	100%	771	All	All	All	65918
Tirupathur	100%	100%	550	All	All	All	61772

10.9 NAME AND ADDRESS OF THE FAULT REPORT OFFICES

Year : 2005-2006

Sl.No	Name of the Block/ Municipality	Name Of the Station / Sub Station	No. of fault reported
(1)	(2)	(3)	(4)
1.	Vellore Municipality	Vellore 110 / 11 KV SS	430
2.	Arakkonam Municipality	Mosur 110 / 33 - 11 KV SS	178
		Arakkonam 33 / 11 KV SS	56
3.	Arcot Municipality	Arcot 33 / 11 KV SS	48
4.	Ranipet Municipality	Ranipet 33 / 11 KV SS	65
5.	Thirupattur Block	Thirupattur	108
6.	Kandili Block	Koratty	45
7.	Kandili Block	Kandili	49
8.	Vaniyambadi Municipality	Vaniyambadi	55
9.	Jolarpet Block	Kethandapatty	59
10.	Natrampally Block	Natrampally	11
11.	Alangayam Block	Alangayam	39
12.	Pernampet Block	Vinnamangalam	70
13.	Madhanur Block	Vadakathipatty	28
14.	Ambur Municipality	Ambur	36
15.	Anaicut Block	Anaicut	18
16.	Anaicut Block	Odugathur	42
17.	Gudiyatham Block	Pakkam	30
18.	Gudiyatham Municipality	Sedukkarai	39
19.	Prenampet Block	Paravakkal	22
20.	Prenampet Block	Pernampet	37
21.	Prenampet Block	Chinnavarigam	28

**Source : S.E., Vellore Electrical Division, Vellore.6.
S.E., Tirupathur Electerical Division, Tirupathur.**