

ELECTRICITY
10.1 NUMBER OF POWER STATIONS

Year : 2015-16

Sl.No.	Name of the Power Stations	Year of Operation	Installed Capacity (M.W.)	Generation (M.U.)	Station Consumption (M.U.)	Net Unit sent out (M.U.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	Hydro	Nil				
2.	NCTPS Thermal (Ennore)	2015-16	340	442.260	94.900	347.360
3.	Wind Mills	Nil				
4.	Gas Turbine	-				

Source: 1) Ennore Thermal Station, Ennore

10.2 QUANTUM OF POWER PURCHASED

Year:2015-16

S.no	Power purchased sectors name	Power purchased in M.U.
(1)	(2)	(3)
1	M/S.Winwind power Energy pvt.Ltd.,HT,SC.No.248	Nil
2	M/S.Ruchi Soya industries Ltd., HT,SC.No.188	1.57
3	M/S.Hydrabad industries Ltd., HT,SC.No.162	1.06
4	M/S.Golden Rock Granites Ltd.,HT,SC.No.217	0.30
5	M/S Subramania Spinning Mill Pvt. LTD	Nil
6.	M/S Real Talent Engg.Ltd	0.79
7.	M/S Real Talent Engg.Ltd	3.69

Source: 1) Superintending Engineer, Kancheepuram Electricity Distribution Division,

10.3 POWER CONSUMPTION - SECTORWISE

Year : 2015-16

Sl.No.	Sectors	Consumption (M.U)	% of Consumption
(1)	(2)	(3)	(4)
1.	Industries	38.58	9.78
2.	Agriculture	117.81	29.86
3.	Domestic	163.87	41.53
4.	Commercial	32.02	8.12
5.	Public lighting and Public Works	23.88	6.05
6.	Sales to licences	0.00	0.00
7.	Sales to other States	0.00	0.00
8.	Miscellaneous	18.40	4.66
	Total	394.56	100.00

Source: 1) Superintending Engineer, Kancheepuram Electricity Distribution Division

10.4 PEAK DEMAND AND ENERGY OUTPUT

Year: 2015-16

Power Demand	Details
(1)	(2)
1. Instantaneous peak demand	249.02MVA
2. Sustained peak demand	219.14MVA

Source: 1) Superintending Engineer, Kancheepuram Electricity Distribution Division,

10.5 REVENUE FROM ELECTRICITY SCHEMES AND COST PER UNIT

Year: 2015-16

Sectors	Unit in range	Rate per unit
(1)	(2)	(3)
Domestic	Up to 100 units	
	0 - 100 units	1.00
	Above 100 Units	
	0-200Units	1.50
	Above 100 upto500 units	
	0-200 Units	2.00
	201-500 Units	3.00
	Above 500 units	
	0-200 Units	3.50
	201 to 500 units	4.60
Above 501 units	6.60	
Commercial	Upto 100 units	
	0-100 units	5.00
	Above 100 units	
	From first units	8.05

Source: 1) Superintending Engineer, Kancheepuram Electricity Distribution Division,

10.6 TRANSMISSION AND DISTRIBUTION OF ELECTRICITY

Year:2015-16

Sl.No. (1)	Item (2)	Unit (3)	Achievement (4)
1	Tiruthani 110/11 KV	96.749	76.203
2	A.J.Pet 110/33-11 KV	55.466	42.400
3	Kakkalur 110/11 KV	84.005	58.268
4	Tiruvallur-110/33-11KV	79.390	54.437
5	Periapalayam 110/11KV	68.339	41.940
6	Poonimangadu 110/11KV	35.360	26.884
7	K.G. Kandigai 33/11KV	23.506	18.154
8.	Melapudi 33/11 KV	27.531	21.149
9.	Ramanjeri 33/11 KV	13.946	7.437
10.	Bandikavanur 33/11 KV	31.479	21.170
11.	Uthukottai 33/11 KV	21.487	12.152
12.	Palavakkam 33/11 KV	21.731	11.551
13.	V.Pudur 33/11 KV	26.665	18.014
14.	Kolathur 33/11 KV	41.041	31.398
15.	V.P.Pudur 33/11 KV	23.380	16.968
16	Kunjalam 33/11KV LTSS	9.220	5.909
17	Othappai 33/11KV LTSS	6.748	6.748
18	Nungambakkam33/11KV LTSS	6.768	6.768
19	Poondi 33/11KV UMSS	2.370	1.274
	Total	675.181	478.824

Source: 1) Superintending Engineer, Kancheepuram Electricity Distribution Division,
Anna Maligai, Oli Mohammed Pet, Kancheepuram - 631 502.
2) Superintending Engineer, Electricity Distribution Division, Tiruvallur,
Tiruthani & Tiruvotriyur

10.7 CAPACITY OF TRANSFORMERS

Year: 2015-16

Sl No.	Name of the Stations / Sub Stations	Voltage Rating	Principal Transformer Capacity
1	Thiruvallur 110/33-11 KV SS	110/33KV 110/33KV 110/11KV	1X16 MVA 2X10 MVA 2X10 MVA
2	Kakkalur 110/33-11 KV SS	110/33KV 110/11KV 110/11KV	1X25 MVA 1X16MVA 1X10 MVA
3	Periyapalayam 110/33-11 KV SS	110/33KV 110/33KV 110/11KV 110/11KV	1X25 MVA 1X16MVA 1X16MVA 1X10 MVA
4	Tirutani 110/11 KV SS	110/33KV 110/11KV	1X10MVA 3X10MVA
5	A.J.PET 110/33 -11 KV	110/33KV 110/11KV	2X16MVA 1X16MVA
6	Poonimangadu 110/11 KV	110/11KV	2X10MVA
7	K.G. KANDIGAI 33/11 KV SS	110/33KV 33/11 KV	1X16MVA 3X8MVA
8	Bandi Kavanur 33/11 KV SS	33/11 KV	2X8MVA
9	Ramanjeri 33/11 KV SS	33/11 KV	1X8MVA 1X5MVA
10	Uthukottai 33/11 KV SS	33/11 KV	2X8MVA
11	Palavakkam (Unmanned SS) 33/11KV	33/11 KV	1X8MVA
12	V.Pudur (Unmanned SS) 33/11 KV	33/11 KV	1X8MVA
13	Melapudi (Unmanned SS) 33/11 KV	33/11 KV	2X8MVA
14	Kolathur (Unmanned SS) 33/11 KV	33/11 KV	2X5MVA
15	V.P. Pudur (Unmanned SS) 33/11 KV	33/11 KV	1X8MVA
16	Kunjalam 33/11 KV (Line Tap SS)	33/11 KV	1X2MVA
17	Kolathur 33/11KV (Line Tap SS)	33/11 KV	1X3.15MVA
18	Othapai 33/11KV (Line Tap SS - I)	33/11 KV	1X3.15MVA
19	Othapai 33/11KV (Line Tap SS - II)	33/11 KV	1X1 MVA
20	Nungambakkam 33/11 KV (Line Tap SS)	33/11 KV	1X3.15MVA
21	Poondi (Unmanned SS) 33/11 KV	33/11 KV	1X8MVA
22	Tiruvallur Indoor 33/11 KV SS	33/11 KV	1X8MVA
	Total		451.45MVA

Source: 1) Superintending Engineer, Kancheepuram Electricity Distribution Division,

10.8 RURAL ELECTRIFICATION

Year: 2015-16

Electrified during the year				Electrified upto the year			
Towns	Village	Hamlet	Agricultural Pumpset	Town	Village	Hamlet	So far effected Agricultural Pumpset
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10.9 NAME AND ADDRESS OF FAULT REPPORT OFFICES

Year:2015-16

Sl.No.	Name of the Stations/Sub Stations	Number of Faults Reported
1.	Tiruvallur	65Nos
2.	Tiruthani	26Nos

Source: 1) Superintending Engineer, Kancheepuram Electricity Distribution Division,