

ELECTRICITY
10.1 NUMBER OF POWER STATIONS

Year : 2016-17

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)	2016-17	340	192.001	47.843	144.158
3.	Wind Mills	Nil				
4.	Gas Turbine	-				

Source: 1) Ennore Thermal Station, Ennore

10.2 QUANTUM OF POWER PURCHASED

Year:2016-17

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	-
2	M/S.Ruchi Soya industries Ltd., HT,SC.No.188	4.81
3	M/S.Hydrabad industries Ltd., HT,SC.No.162	2.01
4	M/S.Golden Rock Granites Ltd.,HT,SC.No.217	-
5	M/S Subramania Spinning Mill Pvt. LTD	0.0005
6.	M/S Real Talent Engg.Ltd	0.83
7.	M/S Real Talent Engg.Ltd	1.55

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

10.3 POWER CONSUMPTION - SECTORWISE

Year : 2016-17

Sl.No.	Sectors	Consumption (M.U)	% of Consumption
(1)	(2)	(3)	(4)
1.	Industries	130.25	27.26
2.	Agriculture	123.11	25.79
3.	Domestic	140.99	29.53
4.	Commercial	31.50	6.60
5.	Public lighting and Public Works	33.00	6.91
6.	Sales to licences	0.00	0.00
7.	Sales to other States	0.00	0.00
8.	Miscellaneous	18.53	3.88
	Total	477.38	100.00

Source: 1) Superintending Engineer, Kancheepuram Electricity Distribution Division

10.4 PEAK DEMAND AND ENERGY OUTPUT

Year: 2016-17

Power Demand	Details
(1)	(2)
1. Instantaneous peak demand	262.44MVA
2. Sustained peak demand	230.95MVA

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

10.5 REVENUE FROM ELECTRICITY SCHEMES AND COST PER UNIT

Year: 2016-17

Sectors	Unit in range	Rate per unit
(1)	(2)	(3)
Domestic	Up to 100 units	
	0 - 100 units	Nil
	Above 100 Units	Nil
	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	8.05

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

10.6 TRANSMISSION AND DISTRIBUTION OF ELECTRICITY

Year:2016-17

Sl.No. (1)	Item (2)	Unit (3)	Achievement (4)
1	Tiruthani 110/11 KV	111.455	91.228
2	A.J.Pet 110/33-11 KV	67.712	55.951
3	Kakkalur 110/11 KV	88.391	64.478
4	Tiruvallur-110/33-11KV	85.794	68.772
5	Periapalayam 110/11KV	95.680	62.896
6	Poonimangadu 110/11KV	42.576	33.559
7	K.G. Kandigai 33/11KV	55.132	39.440
8.	Melapudi 33/11 KV	28.596	24.672
9.	Ramanjeri 33/11 KV	13.572	9.331
10.	Bandikavanur 33/11 KV	30.621	23.127
11.	Uthukottai 33/11 KV	21.383	14.806
12.	Palavakkam 33/11 KV	26.842	16.839
13.	V.Pudur 33/11 KV	26.396	15.396
14.	Kolathur 33/11 KV	38.132	33.599
15.	V.P.Pudur 33/11 KV	24.246	11.398
16	Kunjalam 33/11KV LTSS	14.001	9.737
17	Othappai 33/11KV LTSS	10.298	10.288
18	Nungambakkam33/11KV LTSS	6.768	6.768
19	Poondi 33/11KV UMSS	9.995	8.723
	Total	797.590	601.012

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: 2016-17

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	2X16 MVA 1X10 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 1X5MVA
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		456.45MVA

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

10.8 RURAL ELECTRIFICATION

Year: 2016-17

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:2016-17

Sl.No.	Name of the Stations/Sub Stations	Number of Faults Reported
1.	Tiruvallur	49Nos
2.	Tiruthani	21Nos

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