

10. ELECTRICITY

10.1 NO. OF POWER STATIONS – 2015-16

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.	Hydro			NIL		
2.	Thermal					
3.	Gas Turbine					
4.	Wind Mills					

Source: Superintending Engineer, Pudukkottai Elec. Distn. Circle, Pudukkottai.

10.2 QUANTUM OF POWER PURCHASED – 2015-16

Power Purchased Sectors Name	Power Purchased in M.U.
M/S. AURO MIRA LTD., SIPCOT	NIL
M/S. E.I.D PARRY, KURUMBUR ARANTHANGI.	61.81
M/S. SABARI INDUSTRIES	NIL
M/S. EMPEE DISTILERIES LTD, ARANTHANGI	NIL
TOTAL	61.81

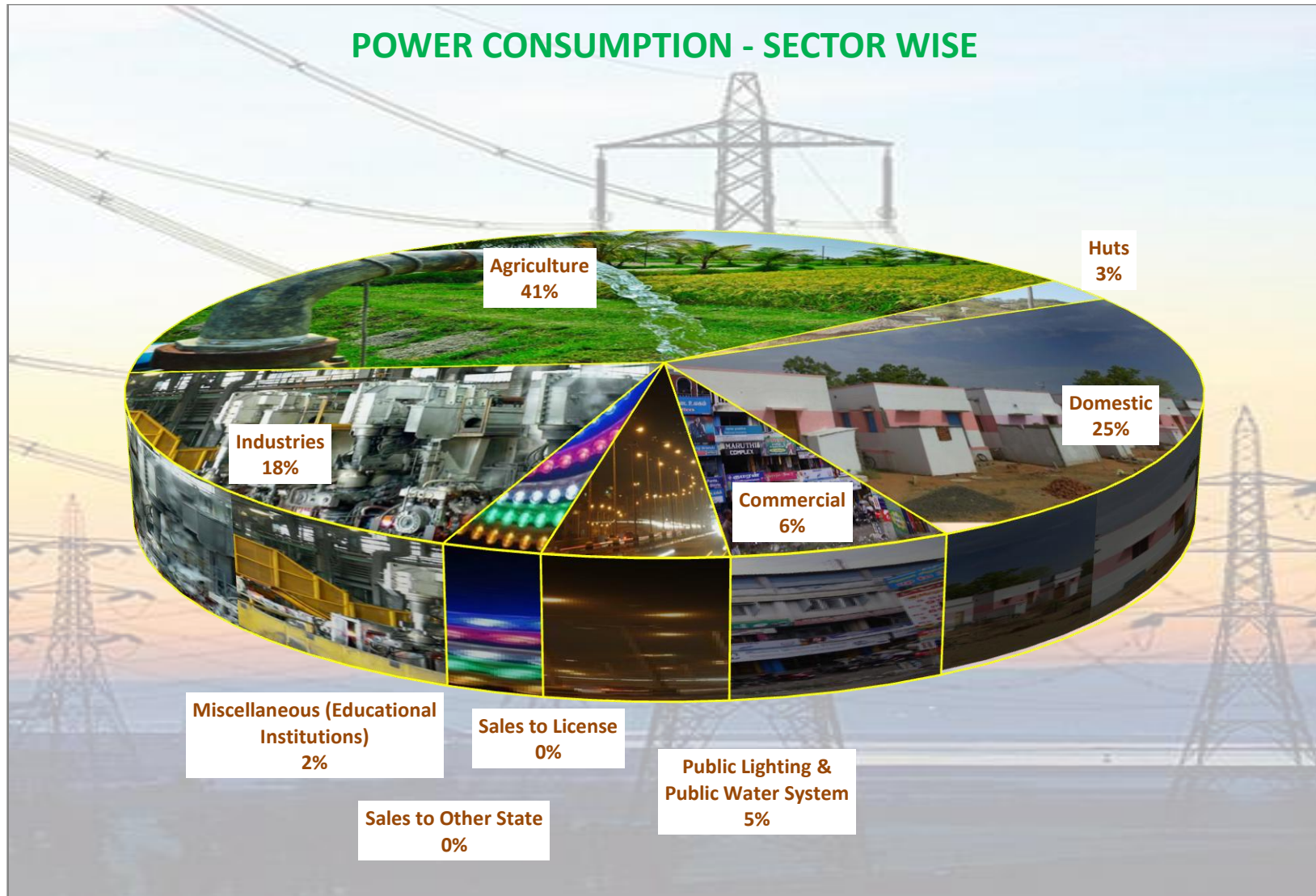
Source: Superintending Engineer, Pudukkottai Elec. Distn. Circle, Pudukkottai

10.3 POWER CONSUMPTION SECTORWISE - 2015-16

Sl. No	Sector	High / Low Tension	Consumption (in M.U.)	% of the Consumption
1	Industries	High Tension	145.682	18.41
		Low Tension	67.69	
2	Agriculture	Low Tension	478.694	41.29
3	Huts	Low Tension	29.645	2.56
4	Domestic	Low Tension	289.02	24.93
5	Commercial	Low Tension	65.449	5.65
6	Public Lighting & Public Water System	Low Tension	53.783	4.64
7	Sales to License	Low Tension	---	---
8	Sales to Other State	Low Tension	---	---
9	Miscellaneous	High Tension	16.377	2.52
		Low Tension	12.894	
TOTAL		High Tension	162.059	13.98
		Low Tension	997.175	86.02
Grand Total		---	1159.234	100

Source: Superintending Engineer, Pudukkottai Elec. Distn. Circle, Pudukkottai

POWER CONSUMPTION - SECTOR WISE



10.4 PEAK DEMAND AND ENERGY OUTPUT - 2015-16

Sl. No	Power Demand	Details
1	Instantaneous peak demand	255.7 MW
2	Sustained peak demand	210.0 MW

Source: Superintending Engineer,Pudukkottai ElecY.Distrn.Circle,Pudukkottai

10.5 REVENUE FROM ELECTRIC SCHEMES AND COST PER UNIT -2015-16

Sl. No	Consumer Category	Tariff	No. of Consumer	Units Sold (in Mill)	% of Total Unit Sold	Average Sales price per unit (in Rs.)
I. HIGH TENSION S.S.						
1	Registered Factory Textiles Railway Tea Estates etc.	I A	55	146.352	21.50	7.83
2	Recognised educational Industries Actual Place of Public Worship, Govt. Hostel	II A	5	10.505	1.54	7.12
		II B	5	3.251	0.48	8.21
3	Commercial and all categories of consumers not covered under H.T I, II, IV	III	1	1.025	0.15	16.53
4	Temporary Supply	V	3	1.184	0.17	19.45
5	Supply to Other States	----	----	----	----	----
I Sub Total			69	162.317	23.84	--
II. LOW TENSION						
1	Domestic purposes for lights and fans, power loads etc.	IA	368415	311.349	27.73	2.30
		IC	7	0.049	0.01	4.96
2	Huts in Village Panchayat TAHDCO etc.	IB	45913	0.000	0	0
3	Public Lighting & Public Water S.S. System	IIA	21928	53.783	7.90	6.92
4	Recognised Educational Industries	IIB1	2757	3.287	0.48	6.92
		IIB2	290	2.626	0.39	8.40
5	Actual Place of Public Workshop And Lab etc.,	IIC	3094	2.056	0.30	5.54

Sl. No	Consumer Category	Tariff	No. of Consumer	Units Sold (in Mill)	% of Total Unit Sold	Average Sales price per unit (in Rs.)
6	Cottage and Tiny Industries, Power Looms etc.	IIIA1	2516	3.000	0.44	4.78
7	Cottage grinding, Ice Fabrics etc. and other Industries not covered under L.T. Tariff III A	IIIA2	3	---	---	---
8	Information Technology Industries, Software Training etc.	IIIB	4307	70.331	10.33	7.38
9	Govt. Seed Firms and Agricultural	IV	63778	478.694	23.15	---
10	Commercial and all other categories not covered under IA, IB, IIA, IIB, IIIA, IIIB, IIIC, IV	V	58743	69.352	10.19	9.02
11	Temporary Supply	VI	4677	2.648	0.39	20.08
II Sub Total			576428	997.175	89.31	---
Grand Total			576497	1159.492	100	---

Source: Superintending Engineer, Pudukkottai Eley. Distn.Circle,Pudukkottai

10.6 TRANSMISSION AND DISTRIBUTION OF ELECTRICITY

Sl.No.	Item	Unit (Target)	Achievement
1.	Huts Electrification	---	---
2.	Agriculture Pump sets	1526	571
3.	Industrial Services (New)	---	127
4.	Industrial Services (Addl)	---	41
5.	Street Light	---	---
	A. Town Pt	---	1228
	i. Tube Lights	---	---
	ii. S.V. Lights	---	---
	B. Village Pt.	---	---
	i. Tube Lights	---	58
	ii. S.V. Lights	---	---
	C. Municipality	---	---
	i. Tube Lights	---	---
	ii. S.V. Lights	---	---
	iii. Fisher colony Lights	---	---
6.	Domestic	---	14019

Source: Superintending Engineer,Pudukkottai Eley.Distn.Circle,Pudukkottai

10.7 CAPACITY OF TRANSFORMERS-2015-16

Sl.No.	Name of the Stations / Sub Stations	Capacity(in MVA)
1	PUDUKOTTAI SIPCOT 110/33-22 KV	42
2	THONDAMANNALLUR 110/11KV	30
3	MATHUR 110/11KV	10
4	PUDUKKOTTAI 110/22 KV	26
5	THIRUMAYAM 110/11KV	20
6	ATHANANAKOTTAI 110/33-22-11 KV	52
7	NAGUDI 110/33-11 KV	42
8	ALIYANILAI 110/33-11 KV	52
9	ALANGUDI 110/22KV	41
10	KONNAIYUR 110/11KV	10
11	PUNALKULAM 110/11 KV	20
12	KARAMBAKUDI 110/33-22KV	46
13	VIRALIMALAI 33/11KV *2	16
14	ILLUPUR 33/11KV *2	10
15	KODIKULAM 110/33-11KV	26
16	KEERAMANGALAM 110/11KV	20
17	AVUDAYARKOIL 33/11KV	8
18	ARIMALAM 33/11KV	8
19	VADAKADU 110/22KV	30
20	MARAMADAKKI 33/11KV	8
21	KUNNANDARKOIL 33/11KV	13
22	ANNAPANNAI 33/11KV	8
23	MELATHANIYAM 33/11KV	8
24	AVANATHANKOTTAI 33/11KV	8
25	GANDARVAKOTTAI 33/11KV	16
26	REGUNATHA PURAM 33/11KV	8
27	NEDUVASAL 33/11KV	8
28	VADUGAPATTY 110/33-11KV	36
29	MAZHAIYUR 110/22 KV	10
30	ARANTHYANGI URBAN 33/11KV	16
31	THALLAMPATTY 33/11 KV	8
32	AMARADAKKI 33/11KV	8
33	PUDUKKOTTAI URBAN 110/22KV SS	16
34	PAKKUDY 110/33-33/11 KV SS	24
DISTRICT TOTAL		704 MVA

Source: Superintending Engineer,Pudukkottai ElecY.Distn.Circle,Pudukkottai.

10.8 RURAL ELECTRIFICATION – 2015-16

Electrified during the year				Electrified upto the year			
Towns	Village	Hamlet	Agricultural Pumpset	Town	Village (R.U)	Hamlet	Agricultural Pumpset
0	0	0	571	8	750	4059	63778

Source: Superintending Engineer, Pudukkottai Elec. Distn. Circle, Pudukkottai

10.9 NAME AND ADDRESS OF FAULT REPORT OFFICES – 2015-16

Sl. No.	Name of the Blocks/ Municipalities	Name of the Stations/Sub Stations	No. of fault reported
1	Pudukkottai	Pudukkottai 110/22KV SS	22
		Sipcot 110/33-22KV SS	13
		Pudukkottai Urban 110/22KV SS	-
		Athanakottai 110/33-22-11KV	12
2	Kunnandarkoil	Kunnandarkoil 33/11KV SS	15
3	Annavasal	Illupur 33/11KV SS	28
		Annapannai 33/11KV SS	16
4	Gandarvakottai	Punalkulam 110/11KV SS	15
5	Viralimalai	Mathur 110/11KV SS	12
		T.Nallur 110/11KV SS	06
		Viralimalai 33/11KV SS	11
		Vadugapatti 110/33 – 11KV SS	17
		Pakkudy 110/33/11 KV SS	-
6	Aranthangi	Aliyanilai 110/33-11KV SS	17
		Avanathankottai 33/11 KV SS	11
		Keeramangalam 33/11KV SS	-
		Aranthangi Town 33/11KV SS	-
		Nagudi 110/33-11KV SS	25
		Manamelkudy 33/11 KV SS	09
7	Thiruvarangulam	Alangudi 110/22KV SS	16
		Vadakadu 110/22 KV SS	18
		Neduvasal 33/11	07
8	Karambakudi	Karambakudi 110/22 KV SS	23
		Malaiyur 110/22 KV SS	12
		Regunathapuram 33/11 KV SS	12
9	Thirumayam	Thirumayam 110/11KV SS	11

(Contd.,)

Sl. No.	Name of the Blocks/ Municipalities	Name of the Stations/Sub Stations	No.of fault reported
10	Arimalam	Arimalam 33/11KV SS	08
		Thallampatty 33/11KV SS	13
11	Ponnamaravathi	Konnaiyur 110/11 KV SS	11
		Melapanaiyur 33/11 KV SS	09
12	Avudaiyar koil	Kodikulam 33/11 Kv SS	06
		Avudayarkoil 33/11KV SS	12
		Amaradakki 33/11KV SS	11
District Total			398

Source: Superintending Engineer,Pudukkottai ElecY.Distn.Circle,Pudukkottai

