

## 10. ELECTRICITY

### 10.1 NO. OF POWER STATIONS

YEAR: 2015-2016

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	Sarkarpathy Power House	14.08.66	30	152.956	0.547	152.409
2	Aliyar Power House	21.03.70	60	79.271	0.089	79.182
3	Sholayar P.H-I	22.04.71	70	207.060	0.380	206.679
4	Sholayar P.H-II	29.03.71	25	56.753	0.220	56.533
5	Kadamparai P.H	17.10.87	400	413.410	3.174	410.236
6	Punachi Mini P.H.	16.12.92	2	3.221	0.247	2.974
7	Aliyar Mini P.H.	17.12.04	2.5	8.057	0.064	7.993
8	Kadamparai PH	Pump consumption-	-	-	406.07	-
9	Wind Mills (Coimbatore EDC/South)			186.9	-	166.6

*Source: TANGEDCO, Chief Engineer Distribution, Coimbatore region, Tatabad, CBE.  
Superintending Engineer, Kadamparai Generation Circle. Minparai*

### 10.2 QUANTUM OF POWER PURCHASED

YEAR: 2015-2016

Circle	Power purchased sectors name	Power purchased in M.U.
Metro	Nil	Nil
CEDC/North/CBE	Wind Mill Developers	401.82
CEDC/South/CBE	Wind Mill Developers	59.87
	Total	461.69

*Source: TANGEDCO Chief Engineer Distribution, Coimbatore region, Tatabad, CBE.*

### 10.3 POWER CONSUMPTION SECTORWISE

YEAR: 2015-2016

<b>Sl. No.</b>	<b>Sectors</b>	<b>Consumption (M.U)</b>	<b>% of the Consumption</b>
1.	Industries	2799.708	55.74
2.	Agriculture & Huts	24.21	0.5
3.	Domestic	1248.698	24.86
4.	Commercial	501.361	10.0
5.	Public lighting & Public Works	182.400	3.63
6.	Sales to licenses	0	0
7.	Sales to other states	0	0
8.	Miscellaneous	266.426	5.30
	<b>Total</b>	<b>5022.803</b>	<b>100</b>

Source: TANGEDCO, Chief Engineer Distribution, Coimbatore region, Tatabad, Coimbatore

### 10.4 PEAK DEMAND AND ENERGY OUTPUT

YEAR: 2015-2016

<b>Details</b>	<b>Power Demand in MW</b>
(1)	(2)
1. Instantaneous peak demand	1199.50
2. Sustained peak demand	1064.80

Source: TANGEDCO, Chief Engineer Distribution, Coimbatore region, Tatabad, CBE.

## 10.5 REVENUE FROM ELECTRIC SCHEMES AND COST PER UNIT

YEAR: 2015-2016

Sectors	Consumption Cost per unit (in Rs.)	Income Rs.in lakhs
<b>Domestic</b>	Up to 100 Units - 1.00	1407.11
	101 to 200 Units - 1.50	5225.10
	201 to 500 Units - 3.30	20632.16
	501 and above Units - 5.75	9385.43
	<b>Total</b>	<b>36649.80</b>
<b>Commercial</b>	Up to 100 Units - 4.30	1008.03
	101 Units & above - 7.00	33283.14
	<b>Total</b>	<b>34291.17</b>

Source: TANGEDCO, Chief Engineer Distribution, Coimbatore region, Tatabad, CBE.

## 10.6 TRANSMISSION AND DISTRIBUTION OF ELECTRICITY

YEAR: 2015-2016

Sl. No (1)	Item (2)	Achievement in MU (3)	Net Unit sent out in MU (4)
1.	Sarkarpathy Power House	152.956	152.409
2.	Aliyar Power House	79.271	79.182
3.	Sholayar P.H-I	207.06	206.679
4.	Sholayar P.H-II	56.753	56.533
5.	Kadamparai P.H	413.41	410.236
6.	Punachi Mini P.H.	3.221	2.974
7.	Aliyar Mini P.H.	8.057	7.993
8.	Wind Mills (Coimbatore EDC/South)	85.68	85.68

Source: TANGEDCO Chief Engineer Distribution, Coimbatore region, Tatabad, CBE.

### 10.7 COST OF GENERATION

YEAR: 2015-2016

<b>HYDRO</b>	<b>Name of the Power Stations</b>	<b>Cost per Unit (in paise)</b>
	Sarkarpathy PH	21.62
	Aliyar PH	35.40
	Sholayar PH-I	25.52
	Sholayar PH-II	27.03
	Kadamparai PH	58.22
	Punachi Mini PH	103.16
	Aliyar mini	61.15
<b>WIND</b>	Wind Mill(Coimbatore)	3.39

Source: TANGEDCO Chief Engineer Distribution, Coimbatore region, Tatabad, CBE.

### 10.8 RURAL ELECTRIFICATION

<b>Electrified during the YEAR</b>				<b>Electrified up to the YEAR</b>			
Towns	Village	Hamlet	Agricultural Pump set	Town	Village	Hamlet	Agricultural Pump set
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Source: TANGEDCO Chief Engineer Distribution, Coimbatore region, Tatabad, CBE.

### 10.9 NUMBER OF FAULT REPORT OFFICES

<b>Sl.No.</b>	<b>Name of the Circle</b>	<b>No. of fault report Offices</b>
1	Coimbatore (Metro)	3
2	Coimbatore (South)	54
3	Coimbatore (North)	62

Source: TANGEDCO, Chief Engineer Distribution, Coimbatore region, Tatabad, CBE.

### 10.10 Capacity of Transformers

<b>Sl. No</b>	<b>TNEB Circle</b>	<b>No. of Substations</b>	<b>Total Capacity MVA</b>
1	Coimbatore Metro	13	528.00
2	Coimbatore South	25	824.75
3	Coimbatore North	20	796.00

Source: TANGEDCO, Chief Engineer Distribution, Coimbatore region, Tatabad, CBE.