



TNEB LIMITED

**TAMIL NADU GENERATION AND DISTRIBUTION
CORPORATION LIMITED**

**TAMIL NADU TRANSMISSION CORPORATION
LIMITED**

VISION STATEMENT

To make
TNEB synonymous with availability
of quality and reliable power
at competitive rates

DATA CARD

(As on 01-04-2013)

INSTALLED CAPACITY (MW) as on 01.04.2013

Sl.No	Name of Power Station	Capacity in MW
Hydro		
1	Kundah PH I	60
2	Kundah PH II	175
3	Kundah PH III	180
4	Kundah PH IV	100
5	Kundah PH V	40
6	Kundah PH VI	30
7	Pykara PH	59.2
8	Pykara Micro PH	2
9	Moyar PH	36
10	Maravakandy Mini Micro PH	0.75
11	Mukurthy Mini PH	0.7
12	PUSHEP	150
13	Aliyar PH	60
14	Sarkarpathy PH	30
15	Sholayar PH-I	70
16	Sholayar PH-II	25
17	Kadamparai PH	400
18	Poonachi Mini PH	2
19	Thirumurthy Mini PH	1.95
20	Aliyar Mini PH	2.5
21	Amaravathi	4
22	Mettur Dam PH	50
23	Mettur Tunnel PH	200
24	Lower Mettur Barrage PH-I	30
25	Lower Mettur Barrage PH-II	30
26	Lower Mettur Barrage PH-III	30
27	Lower Mettur Barrage PH-IV	30
28	Bhavani Kattalai Barrage-I	30
29	Bhavani Kattalai Barrage-II	30
30	Lower Bhavani Micro Hydel PH	8
31	Lower Bhavani RBC	8
32	Sathanur Dam PH	7.5
33	Periyar PH	154
34	Papanasam PH	32

35	Servalar PH	20
36	Kodayar PH I	60
37	Kodayar PH II	40
38	Suruliyar PH	35
39	Vaigai Small PH	6
40	Perunchani	1.3
41	Periyar Vaigai – I	4
42	Periyar Vaigai – II	2.5
	Total Hydro	2237.4
Thermal		
1	Mettur Thermal Power Station	840
2	Tuticorin Thermal Power Station	1050
3	North Chennai Thermal Power Station	630
4	Ennore Thermal Power Station	450
	Total Thermal	2970
Gas		
1	Basin Bridge	120
2	Kovil Kalappal	107.88
3	Valuthur	187
4	Kuttalam	101
	Total Gas	515.88
Central Generating Stations		
1	Neyveli TPS 1	475
2	Neyveli TPS 1-Expansion	226
3	Neyveli TPS 2	474
4	MAPS Nuclear	331
5	Kaiga Nuclear (Karnataka)	227
6	Ramagundam STPS(A.P)	680
7	Simhadri-II	229
8	Talcher St-2	503
9	Vallur	375
	Total CGS Share	3520
Private Sector		
1	GMR	196
2	Samalpatti DEPP	105.66
3	Pillaiperumalnallur GTPP	330.5
4	Madurai Power Corporation	106
5	ST- CMS	250
6	LANCO Tanjore Power Co. Ltd	113.2
7	Penna power limited	52.8
	Total (Private sector)	1154.16

External Assistance		
	ER power	50
Others		
1	CPP	63.5
2	Biomass	4.4
	Total (Others)	67.9
GRAND TOTAL		10515.34

RENEWABLE ENERGY SOURCES

Sl.No	Renewable Energy Sources	Capacity in MW
1	Windmill	7145.225
2	Solar	17
3	Biomass	177.4
4	Co-generation Plants	659.4
	TOTAL	7999.025

Ongoing and new projects :

Sl. No	Project	Capacity /Share (MW)	Cost (Rs in crores)
1.	TNEB-NTPC JV at Vallur (3 x 500 MW) (Unit 1 declared COD on 29.11.12) (Unit 2 declared COD on 25.08.13)	1050	8444
2.	Mettur Stage-III (1 x 600 MW) COD on 12.10.13	600	3564.69
3.	North Chennai Stage-II (2x600 MW)	1200	5814.1
4.	Small & Mini Hydro (5 Projects)	56.5	943.7
5.	Modification of Sugar Mills	183	1241
6.	TNEB-NLC JV at Tuticorin (2 x 500 MW)	387	6540.93
7.	Kudankulam (2 x 1000 MW)	925	CGS
8.	PFBR Kalpakkam (1X500 MW)	167	CGS
9.	Neyveli TS-II Expansion (2x250 MW)	230	CGS
10.	ETPS Expansion Project (1X660 MW)	660	4000
11.	Ennore SEZ (2X660 MW)	1320	8000
12.	Udangudi Super Critical Power Project (2 x 660 MW)	1320	9000
13.	North Chennai Stage-III (1X800MW)	800	4800

14.	Kundah Pumped Storage (4 x 125 MW)	500	1200
15.	Cheyyur Ultra Mega Power Project (4000 MW)	1600	18000
16.	Uppur Thermal Power Project (2 x 800 MW)	1600	9600
17.	Udangudi Expansion (1X 800 MW)	800	4800
18.	ETPS Replacement (1 X 660 MW)	660	3600

CONSUMERS AND CONSUMPTION

Consumers	Numbers (as on 31.03.13)	Consumption 2012-13 (MU)
I. HT (Tariff I to V) (Including sale to traders)	8,244	17,391
II. LT		
I-A Domestic	1,62,52,879	18,231
I-B Huts	14,45,029	4,00
I-C Bulk Supply	1,113	12
II-A Public Lighting & Water supply	5,63,425	1,711
II-B-1,II-B-2 Recognised Educational Institutions & Private Educational Institutions	1,16,109	6,41
II-C Actual places of public worship	84,472	1,06
III-A(1) Cottage and Tiny Industries	68,094	5,65
III-A(2) Powerlooms	1,23,837	8,23
III-B Industries	3,84,726	3,717
IV Agriculture	20,33,455	10,085
V Commercial	32,50,570	5,087
VI Temporary Supply	19,241	41
LT Total	2,43,42,950	41,419
HT Total	8,244	17,391
TOTAL(HT+LT)	2,43,51,194	58,810

Revised Tariff rates from 21-06-2013 (Payable by the consumer)				
I- HIGH TENSION SUPPLY				
Tariff	Category of Consumers		Demand Charges Rs. Per KVA p.m.	Energy Charges Ps./Unit
I-A	Industries, Registered factories, Textiles, Tea estates, etc.,		300	550
I-B	Railway Traction		250	550
II-A	Govt. Educational Institutions, Govt. Hospitals, Water supply etc, Places of Worship.		300	450
II – B	Private Educational Institutions & hostels		300	550
III	Commercial and other categories, Private Communication providers, Cinema Studios and Cinema Theatres		300	700
IV	Lift Irrigation Co-op Societies		Nil	0
V	HT Temporary Supply for construction and other purposes		300	950
II- LOW TENSION SUPPLY				
	(Unit slabs bi-monthly)	Energy Charges Ps./ Unit	Fixed Charges for 2 months	Bi Monthly Minimum
I-A	Domestic , Handloom, Nutrition Centres etc.		Rs.	Rs.
	Consumption upto 100 units bi-monthly			
	0-100 units	100	20	0
	Consumption above 100 units and upto 200 units bi-monthly			
	0-200 units	150	20	0
	Consumption above 200 units and upto 500 units bi-monthly			
	0-200 units	200	30	0
	201 to 500 Units	300	30	0
	Consumption above 500 units bi-monthly			
	0-200 units	300	40	0
	201 to 500 Units	400	40	0
	Above 501 units	575	40	0
	Hand Loom Weavers 0-100 units bi-monthly	0	0	

	Above 100 units bi-monthly, credit of Rs.100 for two months will be given from the original bill.			
I-B	Huts in village panchayats,TAHDCO: Metered	0	0	0
	Till meters are fixed:---	0	0	0
I-C	L.T. Bulk supply, Railway Colonies, Defence colonies etc.	400	100	0
II-A	Public lighting, water supply, Sewer.	550	0	0
	Village Panchayats/Town Panchayats	550	0	0
	Municipality/ Corporations	550	0	0
II-B(1)	Govt and Aided Educational Institutions, Govt. Hospitals etc	500	100/KW	0
II B(2)	Private Educational Institutions & hostels	650	100/KW	0
II-C	Places of Public worship, Mutts			
	0-120 units	250	100/KW	0
	Above 120 Units	500	100/KW	0
III-A (1)	Cottage, Tiny Industries, (Upto 10HP)			
	Upto 500 Units	350	30/KW	0
	Above 500 Units	400	30/KW	0
III-A (2)	Power Looms (upto 10 HP) incl. Winding etc.			
	Upto 500 Units	0	0	0
	501-1000 units	200	60/KW	0
	1001-1500 units	300	60/KW	0
	Above 1500 Units	400	60/KW	0
III-B	Industries	550	60/KW	0
IV	Agriculture & Govt. Seed Farms. And SFS: Metered	0	0	0
	Till meters are fixed:---	0	0	0
V	Commercial & others (including construction for residential buildings), cinema theatres, cinema studios, private communication provides			
	consumption upto 100 units bi-monthly			
	0-100 units	430	120/KW	0
	consumption above 100 units bi monthly			
	From first units	700	120/KW	0

VI	Temporary Supply			
	Temporary activities such as construction of commercial complexes/residential building/complexes of more than 2000 square feet	1050	Rs.600/KW	0
	Lavish illuminations	1050	0	0

STAFF STRENGTH AS ON 31.03.13

Cadre	Sanctioned strength	Vacant	Actual utilisation
Class-I			
Technical	931	48	883
Administration	49	6	43
Accounts/Audit	105	10	95
CLASS-II			
Technical	8889	391	8498
Administration	477	39	438
Accounts/Audit	746	24	722
CLASS-III			
Provincial	28472	10832	17640
RWE	51980	25434	26546
CLASS-IV			
Provincial	1601	561	1040
RWE	44280	12095	32185
TOTAL	137530	49440	88090

SALIENT FEATURES AT A GLANCE

Details	1976-77	1986-87	1996-97	2006-07	2007- 08	2008 -09	2009-10	2010-11	2011-12	2012-13
Installed capacity (MW)	2,364	3,987	6,908	10,098	10,122	10,214	10,214	10,237	10364.54	10515.34
Generation & Purchase (MU)	8,350	14,853	32,700	63,690	66,849	67,076	72,887	76,071	76,535	74,872
Energy Sales (MU)	6,576	11,999	25,805	50,159	52,831	53,065	57,776	58,858	61,387	58,810
Substations Nos.	304	475	734	1148	1202	1259	1309	1343	1320	1341
EHT & HT lines (Lakh Ckt.Kms.)	0.715	0.919	1.25	1.54	1.63	1.64	1.69	1.77	1.80	1.84
L.T lines (Lakh.Kms.)	2.14	3.0	4.01	5.01	5.18	5.26	5.39	5.56	5.67	5.78
Distn.Transformers (Nos.)	42,499	68,826	1,11,522	1,73,053	1,80,763	1,86,638	1,92,632	2,03,794	2,12 ,921	2,21,288
ELECTRIFICATION										
Towns, Villages& Hamlets (Nos.)	63,274	63,755	64,063	63,956@	63,956	63,956	63,956	63,956	63,956	79,263*
Pumpsets (Lakhs)	7.85	11.16	15.67	18.02	18.39	18.72	19.08	19.85	20.18	20.33
Consumers (Lakhs)	32.23	64.86	112.14	185.82	194.34	203.87	212.76	223.44	231.80	243.51

@ Reduction due to electrified villages de-electrified as per new definition on village electrification

* Habitations electrified.

ACHIEVEMENTS (2012-13)

- 1) TNEB-NTPC Joint Venture Project, Vallur – unit 1 (500 MW) commissioned on 29.11.12 (Share – 375 MW) Unit 2 (500 MW) commissioned on 25.08.13 (Share- 350 MW)
- 2) Simhadhri Super Thermal Power Station Stage- 2, unit 2 was commissioned on 30.09.12 (Share – 99.5 MW)
- 3) Mettur Thermal Power Project Stage III (600 MW) commissioned on 12.10.13. North Chennai Thermal Power Project Stage II (1200 MW) is under trial run.
- 4) Sustained peak reached during 2012-13 is 11,283 MW.
- 5) Payment of current consumption charges using net banking facilities is extended to Lakshmi Vilas Bank, State Bank of India, Central Bank of India, Tamil Nadu Mercantile Bank, Tamil Nadu State Co-operative Bank, Federal Bank and Canara Bank during 2012-2013.
