

Chairman

FORM 1

Arms 22/6/11 (1)

BEFORE THE HONOURABLE TAMIL NADU ELECTRICITY REGULATORY COMMISSION

MP No 15 of 2011.

IN THE MATTER OF : Miscellaneous petition for filing a comprehensive proposal to overcome the power shortage in the State of Tamilnadu to enable the lifting of Restriction & Control measures.

Tamilnadu Generation and Distribution Corporation Ltd.,
No.144, Anna Salai,
Chennai-2.

.....Petitioner.

--Nil--

.....Respondent



the petitioner named above respectively showeth under:

1. Tamilnadu Generation and Distribution Corporation Ltd., the successor entity of erstwhile Tamil Nadu Electricity Board, and constituted under The Companies Act,1956 and is carrying out the business of Generation and Distribution of Electricity in the State of Tamil Nadu.
2. It is submitted that Tamilnadu Generation and Distribution Corporation Ltd., (TANGEDCO) was incorporated on 01.12.2009 and the Certificate for commencement of business was obtained on 16.03.2010.

3. Need:

It is respectfully submitted that the Hon'ble Tribunal for Electricity has issued directions to the effect that the Hon'ble Commission shall direct the Electricity Board/Utilities in the state of Tamilnadu to submit a comprehensive proposal to overcome power shortage to enable to lift the R&C measures before the Commission within a time limit of six months. In order to comply with the direction of the Hon'ble APTEL and the Hon'ble Tamilnadu Electricity Regulatory Commission, TANGEDCO is submitting a proposal on the strategy to be adopted to overcome the power shortage in the State of Tamilnadu to enable the lifting of Restriction and Control measures completely.

4. Background:

In this connection, it is humbly submitted that there was a shortage of 2500 - 4000 MW, the details of which are exhibited in Annexure. Efforts were being taken to tide over the situation by making best use of internal resources and power purchase from external sources. However, due to non-availability of

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Transmission corridor for import of power to meet the accelerated demand, the prevailing grid condition dictates the Restriction and Control measures.

5. Measures taken for revoking the R&C measures

> 5.1 Capacity addition:

(i) It is humbly submitted that the following capacity additions are programmed upto December 2011 as already approved and communicated in the 16th meeting of SRPC held on 30.04.2011.

S.No	Name of the Projects	Scheduled date of commissioning	Availability
1	Neyveli TS -II Unit I	July '11	138
2	Simhadri Stage 2 Unit 3	July '11	81
3	NTPC-TNEB at Vallur Stage-I Unit I	Oct'11	318.75
4	Kudankulam APS Unit-I	Dec'11	392.7
Total			930.45 MW

(ii) Further, the following capacity additions have been programmed to materialize before June 2012.

S.No	Name of the Projects	Scheduled date of commissioning	Availability
1	Periyar Vaigai SHEP-II	Aug'11	2.5
2	Bhavani Kattalai Barrage-II	Aug'11	30
3	Periyar Vaigai SHEP-IV	Sep'11	2.5
4	Bhavani Barrage-II	Nov'11	20
5	Modification of 12 sugar mills	Oct/Nov/Dec '11	155.6
6	Periyar Vaigai SHEP-III	Dec'11	4
7	Bhavani Kattalai Barrage-III	Jan'12	30
8	NTPC-TNEB at Vallur Stage-I Unit II	Mar'12	318.75
9	North Chennai TPS Stage 2	Mar'12	510
10	Mettur TPS Stage 3	Mar'12	510
11	Neyveli TS -II Expn. Unit II	Mar'12	138
12	North Chennai TPS Stage 2	May'12	510
Total			2331.35 MW

➤ **5.2 Power purchase :**

- i) From private traders - **305 MW + 195 MW** (June 2011)
500 MW (from June 2011 to Sep'2011)

It is further proposed to increase this quantum to 125% as tendered quantity if necessary.

- ii) Reliability power - **1000 MW** during peak hour & 200 MW during non peak hour for the months June to September 2011.
iii) Additional from private traders - **500 MW** (round the clock) is being finalized.
iv) GUVNL of Gujarat - **500 MW** power for the months of June, July, August 2011.
v) Case I bidding - **450 MW** for 5 years (as approved by this Hon'ble Commission) Tender due for opening on 24.08.11 & financial bid on 8.9.11.
vi) Depending on the requirement, additional capacities are also proposed to be procured through Case I bidding for a period from 3 to 5 years.

➤ **5.3 Captive Power Plants**

It is also submitted that the generation from Captive Power Sources upto July 2011 would be of the order of **406 MW**.

➤ **5.4 Non conventional energy sources**

It is further respectfully submitted that the following capacity additions would materialize on fruition of projects by 31.12.2011 from the following non conventional energy sources.

• Wind	: 600 MW
• Co-gen	: 19 MW
• Bio mass	: 34 MW
• Solar projects	: 7 MW
Total	: 660

➤ **5.5 Wind power:**

It is also expected that the infirm power from wind generation will be more active from May 2012 onwards to augment the availability.

6.0 In view of the above, it is submitted to the Hon'ble Commission that proposed to overcome the deficit of about 4000 MW would be met by June 2012 which would facilitate lifting of Restriction and Control measures by then.

7.0 Prayer:

The petitioner, respectfully requests the Hon'ble Commission

(i) To permit TANGEDCO to implement the Restriction and control measures until June 2012 when TANGEDCO is poised for self sufficiency.

(ii) It is also submitted to the Hon'ble Commission that periodically the position will be placed for review by the Hon'ble Commission.

(iii) It is also submitted that depending on the availability of power, partial relaxation may also be considered whenever the situation permits.

Basanthi

Solemnly affirmed at Chennai,
On this the 22nd day of June 2011
and signed his name in my presence

}

BEFORE ME

[Signature]
ADVOCATE: CHENNAI

Phone: (R) 24861008 (M) 9444178284
G. PERIYA PERUMAL, BA, LLB,
ADVOCATE
No. 430 (4th Floor) New Law Chambers
HIGH COURT, CHENNAI - 600 104

Basanthi

Chief Engineer/Commercial
TANGEDCO
Anna Salai, Chennai-2

ANNEXURE

Details	Jun-11			JUL-11			AUG-11			SEP-11			OCT-11		
	Peak	Day time	Off peak	Peak	Day time	Off peak	Peak	Day time	Off peak	Peak	Day time	Off peak	Peak	Day time	Off peak
(Fig in MW)															
Expected Demand	11975	11843	10156	11710	11263	9750	11744	10972	9829	11828	10984	9662	12033	11298	9696
Availability Excl wind & Power Purchase	7055	6106	5655	7175	6226	5975	7344	6294	6044	7216	6166	5916	7328	6278	6026
Deficit	-4920	-5738	-4501	-4535	-4978	-3775	-4400	-4678	-3785	-4612	-4818	-3746	-4765	-5020	-3870
Wind	2500	2500	2500	2500	2500	2500	2461	2461	2461	1918	1918	1918	1743	1743	1743
Swap return/Swap receipt/Power purchase	561	509	551	132	192	128	256	237	256	286	253	274	0	0	0
Nett Deficit	-1859	-2729	-1440	-1903	-2286	-1147	-1683	-1980	-1068	-2408	-2647	-1564	-3022	-3277	-2127
Quantum of power required	1800	2700	1450	1900	2300	1150	1700	2000	1100	2400	2650	1550	3000	3300	2100

Details	NOV-11			DEC-11			JAN-12			FEB -12			MAR-12		
	Peak	Day time	Off peak	Peak	Day time	Off peak	Peak	Day time	Off peak	Peak	Day time	Off peak	Peak	Day time	Off peak
(Fig in MW)															
Expected Demand	11117	9673	8291	11429	10497	8402	11928	11345	9236	12462	11935	10019	11873	11834	10538
Availability Excl wind & Power Purchase	7195	5995	5595	7365	6065	5665	7975	7125	6825	8225	7265	6905	8376	7300	7116
Deficit	-3922	-3678	-2696	-4064	-4432	-2737	-3951	-4220	-2411	-4237	-4670	-3054	-3497	-4468	-3422
Wind	501	501	501	387	387	387	660	660	650	796	795	796	421	421	421
Swap return/Swap receipt/Power purchase	0	0	0	0	0	0	0	0	0	0	0	0	450	450	450
Nett Deficit	-3421	-3177	-2195	-3677	-4045	-2350	-3291	-3560	-1751	-3441	-3874	-2258	-2626	-3597	-2501
Quantum of power required	3400	3200	2200	3700	4050	2350	3300	3550	1750	3450	3900	2250	2600	3600	2500