

**BEFORE THE HONOURABLE TAMIL NADU ELECTRICITY REGULATORY
COMMISSION, CHENNAI**

M.P. No. 44 of 2012

IN THE MATTER OF : Equitable power distribution pattern in the State of Tamil Nadu as per the direction of Hon'ble Madurai Bench of Madras High Court in W.P.(MD) 13434 of 2012.

Tamil Nadu Generation and Distribution

Corporation Limited (TANGEDCO),

144, Anna Salai, Chennai -600 002.

Represented by its Chief Engineer/Commercial

..... Petitioner

Vs

--- NIL ---

..... Respondent

**PETITION FILED UNDER Regulation 38 of TAMIL NADU ELECTRICITY
DISTRIBUTION CODE, 2004 WITH THE PROVISIONS OF
ELECTRICITY ACT, 2003.**

I, P. Bagavathiraj, S/o K. Perumal, Hindu, aged about 55 years having office at NPKRR Maaligai, No.144, Anna Salai, Chennai 600 002 do hereby solemnly affirm and sincerely state as follows:-

I submit that, I am the Chief Engineer / Commercial of the Petitioner herein and as such I am well acquainted with the facts of the case.

1. The petitioner submits that, they are mainly engaged in the distribution and generation of Electricity throughout the State of Tamil Nadu.

2. At the outset, the above Petition has been preferred by this Petitioner as per the direction of the Hon'ble High Court, Madras, (Madurai Bench) in W.P.No. (M.D) 13434/2012, dated 17.10.2012 which reads as follows:-

“considering the legal requirement which mandates an order by the TNERC insofar as the present crisis is concerned, the TANGEDCO is directed to approach the Tamil Nadu Electricity Regulatory Commission for suitable modification of the earlier order passed on 22.03.2012 in M.P. No.15/2011 for appropriate directions”.

3. It is respectfully submitted that, the petitioner at this juncture is experiencing deficiency or shortage of power supply taking into account of the demand and supply of power in the State. It is submitted that, on the said aspect, the demand – supply forecast indicates that there is a net deficit to a tune of about 4000 MW, during peak as well as day time. Though the demand growth is sustained at a level of 7-8% as projected, the expected commissioning of some of the projects are getting delayed due to various factors.

It is expected that an additional capacity generation of about 4300 MW may be added before end of December '13. The list of on going projects and expected Commercial Operation Date (COD) are given below:

Sl. No.	Name of Project	Capacity in MW	Anticipated Commissioning date
1	Mettur Thermal Power Project Stage-III	600	Dec-12
2	NTPC-TNEB Joint Venture Project (NTECL) at Vallur 3x 500MW Unit-I	500	Commissioned on 29.11.2012
3	NTPC-TNEB Joint Venture Project (NTECL) at Vallur 3x 500MW Unit-II	500	Mar-13
4	North Chennai Thermal Power Project (NCTPP) Stage-II UNIT-I	600	Apr-13
5	North Chennai Thermal Power Project (NCTPP) Stage-II UNIT-II	600	May-13
6	NTPC TNEB Joint Venture Project (NTECL) at Vallur 3x 500MW Unit-III	500	Oct-13
7	NLC TNEB Joint Venture Project (NTPL) at Tuticorin (2 x 500 MW) Unit-I	500	Dec-13
8	NLC TNEB Joint Venture Project (NTPL) at Tuticorin (2 x 500 MW) Unit-II	500	Dec-13

4. It is respectfully submitted that as per the directions of the Hon'ble Chief Minister of Tamil Nadu, a High Level Committee comprising of 9 Members was formed under the Chairmanship of Hon'ble Minister for Electricity and Prohibition and Excise to review the power position in our State and thereby the said committee of 9 members meets on every Monday to review the power position in our State. It is submitted that the Chief Secretary, Govt. of Tamil Nadu is also reviewing the status of the above new power projects with main suppliers of NTPC, BHEL, NLC for early commissioning of above the projects.

5. It is respectfully submitted that the following proposed power purchase are also being carried out by the Petitioner and some of the details relating to the same are as follows:-

- a. 500 MW of power has been tied up from private generators from outside Southern Region with effect from 16.06.2013 onwards for three years.
- b. Tenders were floated for procurement of 1000 MW of power from the market on 11.10.2012. However, only one bid for a quantum of 20 MW has been received in the tender.
- c. Though the availability of power from the power exchange is not sizeable, efforts are being made to procure about 300 MW during night hours (00.00 hrs. to 06.00 hrs. next day).
- d. Tenders for procurement of power for a longer duration of 3 years and 5 years are proposed to be floated for which the orders of the TNERC are awaited.
- e. Local private generators are also encouraged to maximize their generation in their existing units and to commission early the new units wherever proposed.
- f. A tender was finalized and orders were issued for supply of 1100 MW from various sources from outside Southern Region from 01.06.2012 to 31.05.2013. However, due to corridor congestion, only 145 to 265 MW is available out of total contracted quantum of 1100 MW.
- g. Additional power purchase has become impossible due to corridor congestion and for the same reason, even the available power has become abnormally costlier for Distribution Companies in Southern Region.

6. It is respectfully submitted that the following energy conservation measures are being carried out by the Petitioner and some of the details relating to the above action are as follows:-

- a. The Government of Tamil Nadu vide its G.O.Ms.No.126, dt.10.11.2008 has issued the guidelines for achieving energy conservation and has banned the usage of Incandescent Bulbs (ICBs) and to use Compact Fluorescent Lamps (CFL) in place of Incandescent Bulbs in all the Govt. Departments, Public Sector Undertakings, Boards, Societies, etc. vide G.O. Ms.No.75 dt.20.08.2010.
- b. Further, the Government of Tamil Nadu has ordered usage of LED lamps in locations such as pathways, entrances, corridors, rest rooms, etc. Electrical equipments and appliances with minimum 3 star rating label to be procured and installed in the Government offices and buildings vide its G.O.95, dt.02.08.2012. The above G.O. No.126, 75 and 95 have already been communicated to all CEs of TANGEDCO, TANTRANSCO and TNEB for strict adherence.
- c. As per the advice of the Hon'ble Madurai Bench of Madras High Court in W.P. (MD) No.13434 of 2012, the Secretary Public Works Department has been requested to revise the guidelines on number of electrical fittings and fixtures provided to Government buildings

to save substantial quantum of electrical energy. Also field engineers have been advised to educate the public about the restriction on use of exterior lights in wedding and other type of function.

- d. Apart from the above, the TANGEDCO have taken all steps on its own in creating wide awareness among general public on the need for energy conservation and on the methods available as follows:-
- e. The adoption of Star labeled domestic appliances like Ceiling fans, Refrigerators, AC units, Tube lights, etc.
- f. The Energy Conservation Day/Week every year during December across the state is arranged to be celebrated in a grand manner by organizing various events.
- g. TANGEDCO through Hello FM have created awareness among the Chennai Public on issues related to general in nature, LT billing and Energy conservation on 14.08.2012.
- h. TANGEDCO have celebrated "Electricity Awareness Week" in all districts across the State between 21st and 27th of August 2012 to create awareness on Electrical safety, Electrical Theft and prevention of theft and Energy conservation by disseminating a Handbook on the same which was released by the Hon'ble Minister for Electricity on 21.08.2012 at Chennai.
- i. TANGEDCO is taking steps to issue one CFL at free of cost to the Hut Services across the State and at subsidized rate of Rs15/- per CFL to metered domestic services to offset the peak demand as announced by the Hon'ble Chief Minister of Tamil Nadu and the Hon'ble Minister for Electricity, Excise and Prohibition in the Legislative Assembly.
- j. Energy conservation tips along with other suggestions have been displayed in the web-site of TANGEDCO for wider publicity among the public.
- k. The need for energy conservation is being emphasized in all training programmes / workshops / seminars conducted by TANGEDCO.

7. It is respectfully submitted that the Hon'ble Chief Minister of Tamil Nadu has announced "TamilNadu Solar Energy Policy-2012" on 20.10.2012 with a vision of achieving 3000 MW by 2015 and promote Solar Rooftops based on the following measures:-

- a. All domestic consumers will be encouraged to put up roof-top solar installations. A Generation Based Incentive (GBI) of Rs.2/- per unit for first

two years, Rs.1/- per unit for next two years and Re.0.5/- per unit for subsequent two years will be provided for all solar installed before 2014.

- b. Solar home lighting is being installed in three lakh houses under the Chief Minister's Solar Powered Green House Scheme (CMSPGHS).
- c. Energisation of one lakh street lights with solar energy.
- d. All new Government/Local body buildings shall necessarily install Solar roof-tops.
- e. Existing Government/Local body buildings will be provided with Solar roof-tops in a phased manner.
- f. All street lights and water supply installations in local bodies will be energized through Solar power in a phased manner.
- g. The State will promote Solar water heating systems by suitably amending the relevant Acts of Municipalities/Corporations.
- h. TANGEDCO has proposed to procure 1000 MW of Solar power through competitive bidding on a long term basis.

8. It is respectfully submitted that due to the delay in commissioning of the New Projects, the Petitioner is unable to achieve the required quantum of power from open markets and due share from Central Grid Stations, the following load shedding methodology and R&C measures are being carried out which reads as follows from 02.06.2012.

A. Load shedding

- a. One hour load shedding between 08.00 hours to 18.00 hours, in Chennai and its suburbs.
- b. Three hours load shedding between 06.00 hours to 18.00 hours, to areas other than Chennai.

B. R&C enforcement

- (i) The power cut of 40% on base demand and energy for all HT Industrial and Commercial services covered under Tariff I & III.
- (ii) 90% cut on quota demand and energy for HT industrial & commercial services during peak hours i.e. 18.00 hrs to 22.00 hrs.

9. It is humbly submitted that due to the **failure of South-West monsoon**, recession of wind generation, the Petitioner was forced to enforce additional load shedding in order to maintain the frequency band width of 49.7 Hz to 50.2 Hz as per new CERC guidelines in order to avoid total block out as happened during September 2012 in Northern and Eastern Regions.

10. It is respectfully submitted that, **even for Chennai the load shedding has been increased to 2 hours from 18.10.2012 onwards due to the above said factors.** The load shedding in other areas of the State ranges from 8 to 12 hours depending upon the availability of power and quantum of power purchased through exchanges.

11. It is respectfully submitted that the City of Chennai as a metropolitan city had been exempted from substantial hours of load shedding taking into consideration of the factors which reads as follows:-

a. Chennai being the State Capital with the establishment of the State Legislative Assembly, Hon'ble High Court, Government Secretariat, major chunk of the State machinery including the State owned/controlled organizations, the offices of Consulate and Embassy of Foreign States, International/National Airports, a major Port for clearing goods, Major Hospitals, Police Head Quarters, tourism and business hub and the connecting City for the National and International Tourists to visit other parts of Tamil Nadu, uninterrupted supply of power is very much essential for the welfare of the State.

b. It is further stated that, the Petitioner would bring to the notice of this Hon'ble Commission with regard to the Cramped status of the distribution network in Chennai and thereby at this juncture the pillar box fuses would not last after a prolonged duration of load shedding and restoration afterwards due to concentrated loads and UPS being recharged almost in every service connection.

c. It is further stated that, the establishment of multi storey buildings with lifts used for domestic, commercial and hospital purposes activities long hours of load shedding would cause hardship in the capital city of Tamil Nadu.

d. It is respectfully submitted that, the Chennai Transmission Network inclusive of both EHT lines and auto Transformers are also highly loaded.

12. It is respectfully submitted that the petitioner would like to bring to the notice of this Hon'ble Commission with regard to the practice being adopted in the State of Karnataka for load shedding and state that Bangalore being the capital city of Karnataka has been totally exempted from load shedding and in other parts in the State of Karnataka, load shedding has been imposed.

13. It is respectfully submitted that, the Petitioner is, however, taking sincere efforts in maintaining distribution of power to the different sections of society based on the orders passed by this Hon'ble Commission in M.P. No.15 of 2011. It is submitted that, if the request of petitioner in W.P.No.13434/2012 is considered, it may lead to severe hardship, irreparable loss and financial loss for the State economy including TANGEDCO.

14. It is respectfully submitted that, however with onset of monsoon and expected commissioning of the new projects as per Para-3, the condition of supply and distribution of power is likely to improve throughout the State.

In view of the above circumstances, it is prayed that this Hon'ble Commission may permit the petitioner for continuation of adoption of the present system of distribution to overcome the deficit supply of power.

The petitioner pays a fee of Rs.10,000/- as per the Tamil Nadu Electricity Regulatory Commission – Fees and Fines Regulations, 2004.

Before me

Solemnly affirmed at Chennai on this)
30th day of Nov. 2012 and the deponent)
has signed his name in my presence.)

Advocate

**BEFORE THE HON'BLE TAMILNADU
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Tamil Nadu Generation and
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Versus

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**P.H.Vinod Pandian
Standing Counsel**