

TAMIL NADU ELECTRICITY BOARD

O/o. Chief Engineer/Commercial
Chennai-2.

Memo. No.CE/Comml/EE/DSM/F. Power Cut/D. 001 /2008, dated
01.11.2008

Sub: Electricity – Restriction & Control – Power cut for HT industrial and commercial services, LTCT services and LT Industrial & Commercial consumers – Working instructions – Issued – Regarding.

Ref: Govt. Letter.No (Ms.) No.121, Energy dated 22-10-2008.

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As per the reference cited above, the Govt. of Tamil Nadu has announced 40% cut on base demand and energy for all HT industrial and commercial services covered under Tariff I & III and 20% cut on energy for LTCT industrial and commercial services in the above cited reference, with effect from 01.11.2008

In this connection, the following instructions are issued:-

I. HT SERVICES

- a. The cut of 40% is on the base demand and energy for HT industrial and commercial services.
- b. The base energy consumption for HT services will be the average of any three consecutive months advantageous to the consumer between the billing period from October 2007 to September 2008.
- c. The base demand will be the highest maximum demand registered in any month during the period from October 2007 to September 2008.
- d. While arriving at the base demand, if there is any reduction in demand effected during the period from October 2007 to September 2008 the maximum demand recorded during any month subsequent to reduction in demand shall be taken as base demand for fixing the demand quota.
- e. The minimum quota for any HT service shall be 70 KVA or their sanctioned demand whichever is less.
- f. All H.T. Industrial and Commercial consumers should not draw power from TNEB Grid during evening hours (18.00hrs to 22.00 hrs).

- g. However, during evening peak hours, the quota will be five percent of the quota fixed for demand and energy for HT industrial services, and ten percent of the quota fixed for demand and energy for commercial consumers, for essential lightning and security purposes.
- h. In case of reduction of sanctioned demand permitted after September 2008, the demand quota permitted shall not exceed 60% of the sanctioned demand after reduction.
- i. For additional load to existing HT service availed on or after 01.10.2008, their additional demand quota shall be fixed as 40% of the sanctioned demand and the additional consumption quota shall be 200 units per KVA for the load additionally sanctioned.
- j. The unutilized quota in any quota period will not be carried over to the subsequent period. Transfer of quota from a service which is under strike, lock-out, lay off and sick is not permissible.
- k. There shall be no demand and energy cut for HT services in rural feeders since they are coming under single phase arrangement.
- l. For HT services in rural feeder which are provided with fourth wire, demand and energy quota has to be fixed.
- m. All HT industrial and commercial services for which power supply has been given on or after 01.10.2008 shall be deemed as new service and the demand quota shall be fixed as 40% of the sanctioned demand and energy quota will be fixed at 200 units/KVA.
- n. In the case of continuous process industries and those HT services which cannot operate with the present level of cut, the Chief Engineer/ distribution concerned can fix such optimum/minimum demand as may be required to operate the industry, but this will be subject to the power supply being made available only for such restricted specified period depending upon the nature of process of the industry so as to keep with the overall capability of the grid.

Example :-

Sanctioned demand	2200 KVA
Recorded maximum demand	2000 KVA
Base quota fixed @ 60 %	1200 KVA

Total KVA days in a month	1200 * 30 = 36000 KVA days
<p>If the industry requires minimum 1800 KVA for operation and request TNEB to fix optimum demand to run the industry then the CE/Distribution may consider the request of the consumer. The consumer may be informed to run the industry for 20 days continuously (36000 KVA days / 1800 KVA) and not to run the industry for balance days of the month. Lighting load for security and essential activities may be permitted within the load already permitted for peak hour for the balance days.</p>	

O. The following services will be exempted from demand and energy cut:

All Hospitals

Central and State Govt. Buildings

Foreign Consulates, Embassies

Railway Station and traction service

Radio broadcasting and television stations

Printing facilities for Newspapers, weekly, fortnightly and monthly magazines

All telephone exchanges

Education institutions

Fertilizer industry

Milk chilling and processing plants

Water and sewerage works

Places of public worship

Street light

Port Trust

Defence production units

Defence services and establishments

Other services as may be exempted by Chairman/TNEB from time to time.

II. LTCT SERVICES

- a. All category of LTCT industrial and commercial will be subjected to 20% energy cut, on base consumption.
- b. For LTCT industrial and commercial services the base consumption will be the average of any three consecutive months' energy consumption

advantageous to the consumer between the billing period from October 2007 to September 2008.

- c. For LTCT services the energy quota will be on monthly basis. Unutilized quota in any quota period will not be carried over to the subsequent period.
- d. There shall be no energy cut for LTCT services in rural feeders since they are coming under single phase arrangement.
- e. LTCT Industrial and Commercial consumers should not draw power from TNEB Grid during evening hours (18.00hrs to 22.00 hrs) except as mentioned in para-f below.
- f. Evening peak hour quota will be five percent of base consumption of average of any three consecutive months advantageous to the consumers between the billing period from October 2007 to September 2008 for essential lighting and security purpose.

III. LT SERVICES

- a. LT industrial and commercial services consuming more than 2000 units bimonthly will be required to reduce their consumption by 20%. The consumption ceiling of these services will be fixed at 80% of their highest recorded bimonthly consumption (based on the bimonthly billing) during previous one year i.e. October 2007 to September 2008 subject to a minimum ceiling of 2000 units.
- b. The above process should start from December 2008 reading for one cycle and January 2009 reading for another cycle.
- c. Intimation letters to all HT industrial and commercial consumers fixing the quota on demand and energy should be issued in the prescribed specimen format by Superintending Engineer EDC concerned.
- d. Intimation letters to all LTCT/LT industrial and commercial consumers fixing the quota on demand and energy should be issued in the prescribed specimen format by Executive Engineer/O&M concerned.

IV. AGRICULTURAL SERVICES

- a. In rural areas three phase supply will be given for 10 hrs and single phase supply will be given for 14 hrs in a day. Due to this agriculturists

may operate their pump sets for ten hours i.e. 6 hrs during day time and 4 hrs during night time.

	Group 1	Group 2
Three phase	0600 hrs to 1200 hrs 2200 hrs to 0200 hrs (Next day)	1200 hrs to 1800 hrs 0200 hrs to 0600 hrs
Single phase	1200 hrs to 1800 hrs 0200 hrs to 0600 hrs	0600 hrs to 1200 hrs 2200 hrs to 0200 hrs (Next day)

- b. For both groups during evening peak hours i.e. 1800 hrs to 2200 hrs, there will be single phase supply only.
- c. Agriculturists may be requested not to operate their pump sets during single phase arrangement.
- d. Large number of pamphlets should be printed by concerned Superintending Engineers/Distribution and distributed to every household in rural areas informing them not to operate agriculture pump sets during single phase arrangement timings. If they do so it will be very difficult for TNEB to extend 24 hrs power supply for their domestic use. Further wide publicity may be given through cinema slides in theatres and through local cable TV network regarding the above.
- e. A large number of agriculture consumers are using capacitors during single phase timings to pump water. The above feeders should be identified. For each feeder agriculture load and other loads may be ascertained. For the above feeder, during single phase arrangement timing, a quantum of load has to be arrived at and communicated to Sub station operator. The operator in the substation should watch the load and if the load exceeds the limit fixed abnormally, load shedding has to be done to achieve the desired result of single phase supply.
- f. Agricultural services should not operate their pump sets during single phasing and peak hour's timings. Notices may be served on such consumers informing them that the gadgets will be removed from them to prevent their using power by such methods.
- g. Executive Engineer along with their field engineers should monitor the situation during single phase timing scrupulously. Executive Engineer

should watch the load available in each feeder and the relief obtained. The above figures should be available with Executive Engineers/O&M concerned. They must furnish the above details daily in the proforma communicated.

V. OTHER RESTRICTIONS

- a. All welding sets irrespective of connected load should not work between 6.00 P.M. and 10.00 P.M. in the evening.
- b. When the grid condition warrants some load reduction, then
 - i) In town and district headquarters feeders will be divided into 6 groups and supply interruption will be done not exceeding two hours in day time in rotation.
 - ii) Power supply will be cut in Chennai suburban for 2 hours in rotation from 06.00 A.M. to 06.00 P.M. with the existing arrangement that should be followed.
 - iii) Power supply in Chennai city will be cut for 1 ½ of hours in rotation from 06.00 A.M. to 06.00 P.M. with the existing arrangement that should be followed.
 - iv) For areas covered under (i) & (ii) during peak hours (6.00 PM to 10.00 PM) supply will be interrupted for 1 hour in rotation.
- c. Domestic services in urban areas will be ensured power supply for at least 20 Hrs. daily and rural areas 24 Hrs. daily.
- d. Except for religious festivals in public worship places, TNEB Electricity supply shall not be given for lavish and decorative lighting for private functions.

VI. INSPECTION AND MONITORING

- a. The Assistant Executive Engineer and Executive Engineer/Distribution shall inspect the HT services coming under the purview of power cut at least once a week and more frequently during the introduction of power cut so as to ensure that the demand and energy quota fixed is not exceeded by the consumer. Close monitoring of the demand recorded in each service shall be done with the help of officers in other wings like GCC, operation, MRT, central office, GRT etc, so as to prevent the consumer from exceeding the quota

fixed. If at any time the consumer is found to be exceeding quota fixed the MD shall be reset immediately and appropriate action taken.

- b. The officer who inspects the service should enter the check reading in the consumer card and should authenticate it. If at a later date, it is found that the inspection officer has failed to detect/record the exceeding of quota, action should be taken against the officer.
- c. Besides, Surprise Inspection Squads may also be formed in each Division and they shall undertake surprise inspection of HT/LTCT/LT industrial and commercial services of other Division so as to ensure that the industries are operating with their quota.
- d. MD need not be reset if the quota is found not exceeded except at the time of taking monthly meter reading.
- e. A weekly report shall be sent by the SE/EDC to CE/Commercial indicating the details of cases where the quota is found exceeded and the action taken thereon.
- f. During peak hours HT/LTCT industrial and commercial consumers are to be instructed to switch off their centralized air-conditioners and should avail only lighting loads with minimum necessity for their security purposes. This should be checked by Surprise Inspection, with reference to the quota fixed.
- g. The details of base demand and energy quota fixed in respect of each HT services shall also be furnished immediately to CE/Commercial.
- h. In addition to the above, a monthly return on the consumption of energy for each HT/LTCT services coming under the purview of power cut shall be sent to CE/Commercial containing the following details. This return may be sent every month from November 2008 onwards till the power cut is lifted.
 - i. Average monthly consumption during 2007-2008
 - ii. Average monthly consumption during peak hour for 2007-2008
 - iii. Monthly consumption during the billing month after power cut is introduced.
 - iv. Monthly consumption during peak hour in the billing month after power cut is introduced.

(By Order of Chairman)

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Chief Engineer/Commercial

To

All Chief Engineers/Distribution

All Superintending Engineers/EDC