

ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION
4th & 5th Floors, Singareni Bhavan, Red Hills, Hyderabad - 500 004

Revised Order on Restriction and Control measures - Approval granted.

Proceedings No. APERC/Secy/14 /2012-13

Dated: 14-09-2012

Read the following:

1. Proceedings No. APERC/Secy/ 13 /2012-13 Dated: 07-09-2012
2. CGM(Comml)/SE(C)/ DE(C) /ADE(C)/D.No. 1831/12 Dated 11-09-2012.
3. CGM(Comml)/SE(C)/ DE(C) /ADE(C)/D.No. 1624/12 Dated 29-08-2012
4. Tariff Order FY 2012-13
5. Secy/01/2006 Dated 06-01-2006.

The Central Power Distribution Company of Andhra Pradesh Limited (APCPDCL), on behalf of all the four Distribution companies, namely APCPDCL, APEPDCL, APNPDCL, APSPDCL, submitted a representation vide reference (3) cited, seeking permission to impose restriction on power supply under section 23 of Electricity Act, 2003 and Clause 16 of General Terms and Conditions of Supply. The brief details of the proposals are furnished below:

2. The Distribution Licensees stated that the state will be in an energy deficit situation during the year 2012-13 due to the following reasons:
 - **Load Growth:** Presently power supply to APDISCOMs is about 202 MU / day as against a demand of 276 MU / day. There is a shortfall of 74 MU / day. This is due to load growth by about 10% when compared to previous year i.e., 2011. The demand met during the month of August 2012 is 9929 MW due to prevailing R&C measures as against demand of 11377 MW met during the month of August 2011 which is due to shortfall in generation.
 - **Outages of Thermal Generating Plants:** Continuous dry spell in the State and increasing demand combined with more forced outages of thermal units due to technical problems has resulted in average shortfall of 49 MU / day during the month of August 2012.



- **Non-availability of Hydel Capacity:** Due to delay in monsoon and insufficient inflows to hydel reservoirs, the hydel stations are not in a position to operate at full capacity and thus the shortfall in hydel generation is about 30 MU / day.
- **Gas shortage -** Due to short supply of gas, around 2038 MW of availability has been affected adversely.

3. **Demand Supply Estimates for the period August 2012-May 2013:**

Power Availability, System Requirement and deficit position in the State is as shown in the table below:

Month	Total Power Availability (MU)	System Requirement (MU)	Monthly Energy Deficit (MU)	Daily Energy Deficit (MU)
Aug'12	6,462	7,888	1,426	46
Sept'12	7,086	8,223	1,137	38
Oct'12	7,473	8,986	1,513	49
Nov'12	6,978	8,155	1,177	39
Dec'12	7,354	8,323	969	31
Jan '13	7,478	8,139	661	21
Feb '13	6,987	8,104	1,117	40
Mar '13	7,699	10,140	2,441	79
Apr'13	7,018	9,246	2,228	74
May'13	7,239	8,470	1,232	40

4. Major States in the country are facing energy deficit and the inter-regional transmission corridor constraints limit the extent of power procurement by APDISCOMs from market. The Licensees projected that, there would be high quantum of energy deficit to the extent of 21 MU to 79 MU during the period between September, 2012 and March, 2013 and further stated that the APDISCOMs have no other option but to impose restriction on usage of power.

5. The Commission examined the Licensees' proposal in detail and considering the recent Grid disturbance in Northern Region on 30th July 2012 and in Northern, Eastern & North-Eastern Region on 31st July 2012, the Commission came to the view that it is



essential to permit the restriction on usage of power by consumers in order to protect the Grid from such grid failures and to maintain discipline among various consumers.

Accordingly, the Commission issued order cited in reference (1) imposing certain Restriction and Control measures effective from 12-09-2012.

The DISCOMs submitted a revised proposal vide letter cited in reference (2), stating that the revised proposals were made to the R&C order issued on 7-9-2012 in pursuance of representations received by them from various consumer groups and after discussions with all the four DISCOMs in the tele-conference held on 10-09-2012. Further the Discoms stated that, as per the order, consumers can consume power only to the extent of 36.6%, which is very low and requested to revise the existing load factor from 0.7 to unity.

The Commission has examined the changes suggested by APDISCOMs and also taken note of certain representations made orally or in writing by certain Consumer Associations to the Commission.

Considering the above, the Commission in supersession of the order dated 07-09-2012, has decided to impose the following R&C measures in the state, with effect from 12-09-2012.

ORDER:

6. In exercise of the powers conferred by Section 23 read with clause (k) of Sub-section (1) of Section 86 of the Electricity Act, 2003 (36 of 2003) and all powers, enabling it in that behalf, the Andhra Pradesh Electricity Regulatory Commission hereby imposes the following revised Restrictions and Control Measures in supersession of the order dated 07-09-2012 to be implemented from 12th September 2012 to 31st March, 2013.

7. For the purpose of implementation of this order, the consumers have been classified into the following categories. These categories are relevant only for the purpose of this order.

- (a) HT Consumers
- (b) LT industrial Consumers and Advertising hoardings



8. The List of consumer categories exempted from provisions of power restrictions are set out in *Para 13*.

9. Category of consumers to whom R&C measures are applicable:

- HT Consumers and Advertising hoardings.
- LT - Industrial consumers including industries in RESCOs.
- For Rural Electric Cooperative Societies (RESCO) no energy restriction is imposed. However, RESCOs shall implement R & C measures to consumer categories as approved in this order.

10. Restriction on Contracted Demand and Energy consumption from September 2012 to March, 2013:

Category	Load Relief (LR) %		Permitted Demand Limit (PDL)		Permitted Consumption Limit (PCL)	
	Off-Peak	Peak	Off peak period (00:00 Hrs to 18:00 Hrs and 22:00 to 24:00 Hrs)	Peak period (18:00 to 22:00 Hrs)	Off-Peak	Peak
HT-I continuous process Industries	40% of Contracted Maximum Demand	70% of Contracted Demand	60% of Contracted Maximum Demand	30% of Contracted Demand	Consumption upto 90% Load Factor on the PDL	Consumption upto 100% Load Factor on the PDL
HT-I other than continuous process industries	40% of Contracted Maximum Demand	90% of Contracted Demand	60% of Contracted Maximum Demand	10% of Contracted Demand	Consumption upto 80% Load Factor on the PDL	Consumption upto 50% Load Factor on the PDL
HT- II	40% of Contracted Maximum Demand	70% of Contracted Demand	60% of Contracted Maximum Demand	30% of Contracted Demand	Consumption upto 80% Load Factor on the PDL	Consumption upto 80% Load Factor on the PDL
LT - III B	40% of Contracted Maximum Demand	90% of Contracted Demand	60% of Contracted Maximum Demand	10% of Contracted Demand	Consumption upto 70% Load Factor on the PDL	Consumption upto 50% Load Factor on the PDL
LT - III A (Applicable for above 20 HP)	0% (No load relief)	Shall not consume power except lighting	100% of Contracted Load	Shall not consume power except lighting	Consumption upto 70% Load Factor on the PDL	Shall not consume power except lighting
LT - II (c)	100%	No relief	Nil	100%	Nil	Ninety units/month per kW



Definitions of Permitted Demand Limit (PDL) and Permitted Consumption Limit (PCL) are as shown below:

HT-I Continuous Process Industries:

To avail supply under this category, the Consumers have to take prior approval from the respective CMD of the Discoms duly explaining their process.

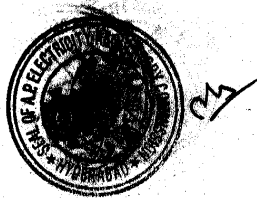
- PDL Off peak = 60% x Contracted Maximum Demand
- PDL peak = 30% x Contracted Maximum Demand
- PCL Off peak = $CMD \times 60\% \times 90\% \times 1(PF) \times \text{No. of off-peak hours in the month}$
- PCL peak = $CMD \times 30\% \times 1(PF) \times \text{No. of peak hours in the month}$

Note: Consumers under this category can also opt for 18 days supply with the following conditions:

- (a). Permitted Demand Limit (PDL) during off-peak hours 100% of Contracted Demand for 18 days
- (b). Permitted Demand Limit (PDL) during peak hours 30% of Contracted Demand for 18 days.
- (c). Permitted Demand Limit (PDL) during power holiday period 10% of Contracted Demand for 12 days
- (d). PCL Off peak = $CMD \times 90\% \times 1(PF) \times \text{No. of off-peak hours for 18 days}$
- (e). PCL peak = $CMD \times 30\% \times 1(PF) \times \text{No. of peak hours for 18 days}$
- (f). PCL during power holiday = $CMD \times 10\% \times 50\% \times 1(PF) \times \text{No. of hours for 12 days.}$

HT-I other than continuous process industries:

- PDL Off peak = 60% x Contracted Maximum Demand
- PDL peak = 10% x Contracted Maximum Demand
- PCL Off peak = $CMD \times 60\% \times 80\% \times 1(PF) \times \text{No. of off-peak hours in the month}$
- PCL peak = $CMD \times 10\% \times 50\% \times 1(PF) \times \text{No. of peak hours in the month}$



Note: Consumers under this category can also opt for 18 days supply with the following conditions:

- (a). Permitted Demand Limit (PDL) during off-peak hours 100% of Contracted Demand.
- (b). Permitted Demand Limit (PDL) during peak hours 10% of Contracted Demand.
- (c). Permitted Demand Limit (PDL) during power holiday period 10% of Contracted Demand for 12 days.
- (d). PCL Off peak = $CMD \times 80\% \times 1(PF) \times \text{No. of off-peak hours for 18 days}$.
- (e). PCL peak = $CMD \times 10\% \times 50\% \times 1(PF) \times \text{No. of peak hours for 18 days}$.
- (f). PCL during power holiday period = $CMD \times 10\% \times 50\% \times 1(PF) \times \text{No. of hours for 12 days}$.

HT- II:

- PDL Off peak = $60\% \times \text{Contracted Maximum Demand}$
- PDL peak = $30\% \times \text{Contracted Maximum Demand}$
- PCL Off peak = $CMD \times 60\% \times 80\% \times 1(PF) \times \text{No. of off-peak hours in the month}$
- PCL peak = $CMD \times 30\% \times 80\% \times 1(PF) \times \text{No. of peak hours in the month}$

LT - III B:

- PDL Off peak = $60\% \times \text{Contracted Maximum Demand}$
- PDL peak = $10\% \times \text{Contracted Maximum Demand}$
- PCL Off peak = $CMD \times 60\% \times 70\% \times 1(PF) \times \text{No. of off-peak hours in the month}$
- PCL peak = $CMD \times 10\% \times 50\% \times 1(PF) \times \text{No. of peak hours in the month}$

LT - III A:

- PDL Off peak = $100\% \times \text{Contracted Load (Demand)}$
- PDL peak = Only lighting load
- PCL = $\text{Contracted Load (Demand)} \times 70\% \times 1(PF) \times \text{No. of off-peak hours in the month}$

LT - II C:

- PCL = Ninety units per month per kW of contracted load.



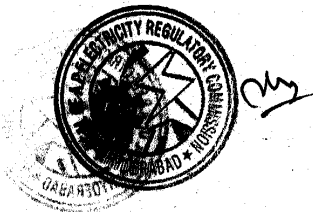
For Seasonal Industries: Seasonal demand and off-Season demand as per the Tariff Order shall be taken into account to arrive at PDL and PCL.

The Distribution Companies shall strictly implement these Restriction and Control measures and all Consumers, for whom these measures are applicable shall co-operate with the Distribution Licensees in implementing the directions of the Commission in true spirit.

11. Penal charges for non-compliance of R&C measures:

The Clause 213.6 (8) and Clause 213.3 (4) (iv) of Tariff Order 2012-13, specifies the penal charges to be paid by a consumer for exceeding the contracted demand. In view of the shortage scenario and in order to maintain grid discipline and equitable distribution of available power among different consumer categories, the following penal charges are approved in place of clause 213.6(8) and Clause 213.3(4) of Tariff Order 2012-13.

- (a) Demand Charges on excess over Permitted Demand Limit (PDL) shall be billed at the rate of 3 times of normal tariff.
- (b) For HT-II Consumers, Energy charges on excess over PCL during off-peak period shall be billed at the rate of 2 times of normal tariff. Energy charges on excess over PCL during peak period shall be billed at the rate of 3 times of normal tariff consumed during that particular peak time period i.e., 18:00 Hrs. to 22:00 Hrs. of that day.
- (c) For consumers other than HT II consumers, energy charges on excess over PCL during Off-peak period shall be billed at the rate of 3 times of normal tariff. Consumers opting for 18 days power supply with 100% CMD during off -peak shall pay 3 times of normal tariff for exceeding PCL during power holiday period of 12 days.
- (d) For consumers other than HT II consumers, energy charges on excess over PCL during peak period shall be billed at the rate of 5 times of normal tariff consumed during that particular peak time period, i.e., 18:00 Hrs. to 22:00 Hrs. of that day.



12. Specific conditions/provisions:

- (a) The Billing Demand shall be the maximum recorded demand during the month and clause 213.6.(6) of Tariff Order shall not apply during these R & C measures.
- (b) No deemed consumption charges shall be billed during Restriction and control period for HT I b category.
- (c) The Licensees shall permit non-discriminatory open access as per Regulation No. 2 of 2005, subject to technical feasibility. The Distribution Licensees shall not levy cross subsidy surcharge and additional surcharge till these restrictions are removed.
- (d) The Distribution Companies shall permit de-ration of contracted demand with in one month from the date of receipt of application during these restriction and control period without any minimum period of two years contractual obligation mentioned in Clause 5.9.3 of GTCS.
- (e) The distribution companies shall not allow drawal of power by welding sets during evening peak hours i.e., 18:00 Hrs to 22:00 Hrs and shall disconnect the power supply whenever this restriction is contravened.
- (f) The distribution companies shall not allow power supply to Advertising Hoardings and shall not allow decorative lighting except for festivals organized at public places of worship.

13. List of consumer categories excluded from Restriction and control measures:

- (a) Andhra Pradesh Secretariat and High Court.
- (b) Assembly and council.
- (c) All state Government and Central Government offices and colleges.
- (d) News paper printing and Electronic media.
- (e) Singareni Collieries loads, Ports, Telegraphs, A.I.R and Doordarshan.
- (f) Dairies and Milk Chilling plants, Feed mixing plants, Cold storage plants.
- (g) All Universities.
- (h) Power supply to Irrigation construction projects.
- (i) Naval Dock Yard, Visakhapatnam.
- (j) Nuclear Fuel Complex, Hyderabad.
- (k) Heavy water plant, Manuguru.
- (l) Oil exploration Service connections and Oil refineries.
- (m) HT - 3 Air ports and Aviation related services.



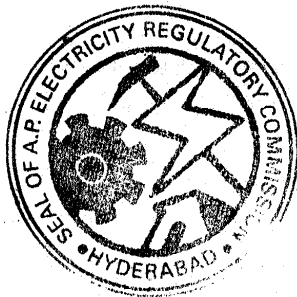
- (n) Railway Traction and stations.
- (o) HT - 7 RESCOs.
- (p) Hospitals.
- (q) Police stations and Fire stations.
- (r) Defense establishments.
- (s) Street Lights.
- (t) Drinking Water Supply Schemes.
- (u) Water Works, Water pumping stations and Sewerage pumping stations.
- (v) Domestic Services, Townships and Residential Colonies.
- (w) Lift irrigation and Agricultural services.

The restrictions now imposed would be reviewed by the Commission from time to time based on the demand and supply position. These orders shall come into force w.e.f. 12-09-2012 and will be in force till 31st March, 2013.

This order is signed by the Commission on this 14th day of September 2012

(BY ORDER OF THE COMMISSION)

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SECRETARY

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A.P. Electricity Regulatory Commission
Hyderabad.