

**ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION**  
4<sup>th</sup> Floor, Singareni Bhavan, Red Hills, Hyderabad - 500 004

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Revised Order on Restriction and Control(R&C) measures - Approval granted.

Proceedings No. APERC/Secy/08/2013

Dated: 17-04-2013

Read the following:

1. CGM (Comml)/SE(C)/ DE(C) /ADE(C)/D.No.108 /13 Dated 12-04-2013.
2. Proceedings No. APERC/Secy/07/2013, Dated 28-03-2013
3. CGM (Comml)/SE(C)/ DE(C) /ADE(C)/D.No.108 /13 Dated 02-03-2013.
4. Proceedings No. APERC/Secy/ 16 /2012-13 Dated: 01-11-2012.
5. Proceedings No. APERC/Secy/14/2012-13 Dated 14-09-2012
6. CGM (Comml)/SE(C)/ DE(C) /ADE(C)/D.No. 2198/12 Dated 11-10-2012.
7. CGM(Comml)/SE(C)/ DE(C) /ADE(C)/D.No. 1624/12 Dated 29-08-2012
8. Secy/01/2006 Dated 06-01-2006.

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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 (7) 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 DISCOMs proposed stringent penal charges for violation of R&C orders, vide reference (6) cited and sought approval.

2. The Commission examined the Licensees' proposal in detail and considering the recent Grid disturbance in Northern Region on 30<sup>th</sup> July 2012 and in Northern, Eastern & North-Eastern Region on 31<sup>st</sup> 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.

3. Accordingly, the Commission issued order cited in reference (5) and subsequently issued order cited in reference (4) imposing certain Restriction and Control measures.

4. M/s APCPDCL, on behalf of all four DISCOMs in the state submitted a representation, vide reference (3) cited, seeking extension of Restriction and Control measures order till 30-06-2013. Accordingly, the Commission has extended the R& C order till 30-06-2013 vide



order cited in reference (2). The DISCOM submitted another letter vide reference (1) cited stating that an additional energy of 10 MU /day is being generated from IPPs using RLNG and Naphtha as fuel. The DISCOM proposed to enhance the present Permitted Demand Limit to 65% from the 60% of Contracted Demand. The details of Power Availability, System Requirement and deficit position in the State are as shown in the table below:

Month	Demand (MU/day)	Availability (MU/day)	Deficit (MU/day)
Apr'13	311.82	234.96	76.86
May'13	291.64	234.68	56.97
June'13	274.40	197.08	77.31

5. Considering the above, the Commission has decided to enhance **Permitted Demand Limit (PDL)** from 60% to 66% of Contracted Demand. Based on the representations of consumer groups and DISCOMs, the Commission has issued various amendments to the order dated 01-11-2012. It is essential to issue a consolidated order, considering all the amendments issued as on date and accordingly, the Commission issues the following order.

**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 Restriction and Control measures, enhancing the **Permitted Demand Limit (PDL)** from 60% to 66% of Contracted Demand, in super-session of the order dated 28-03-2013 to be implemented from the meter reading date of April, 2013.

7. For the purpose of this order, the off-peak period means 00:00 Hrs to 18:00 Hrs and 22:00 to 24:00 Hrs. Peak period means 18:00 to 22:00 Hrs.

8. No consumer shall exceed the Permitted Demand Limit (PDL) prescribed hereunder for the respective category during peak hours or off-peak hours.





9. No consumer shall exceed Permitted Consumption Limit (PCL) prescribed hereunder for the respective category during peak hours or off-peak hours.

10. This Restriction and Control (R&C) measures order is applicable to the following categories of consumers.

- (a) HT -I and HT-II Consumers.
- (b) Advertising hoardings.

For Rural Electric Cooperative Societies (RESCOs), no demand and energy restrictions are imposed. However, RESCOs shall implement R & C measures to consumer categories as approved in this order.

11. Category wise Restrictions on Contracted Demand and Energy consumption are mentioned in para 12 to 15 below.

**12. HT-I (B) Ferro Alloy Industry:**

Consumers who fall under this category will have the option to indicate their choice either for option 1 or for option 2 mentioned below. The DISCOMs shall regulate supply to consumers under this category as per the option indicated by the consumer.

**Option-1:**

Power supply throughout the month with 66% contracted demand during off peak hours and 30% contracted demand during peak hours.

**Permitted Demand Limits (PDL) under option - 1:**

- (a) PDL during Off peak = 66% x Contracted Maximum Demand
- (b) PDL during peak = 30% x Contracted Maximum Demand

**Permitted Consumption Limit (PCL) under option - 1:**

- (a) PCL during Off peak  
= CMD x 66% x 90% x 1(PF) x No. of off-peak hours in the month
- (b) PCL during peak  
= CMD x 30% x 100% x 1(PF) x No. of peak hours in the month



### Option-2:

20 days power supply at a stretch and power holiday of 10 days in a month. During 20 days power supply, 100% contracted demand during off peak hours and 30% contracted demand during peak hours is permitted. During power holiday period of 10 days, 10% of contracted demand is permitted for maintenance.

### Permitted Demand Limits (PDL) under Option - 2:

- (a). PDL during off-peak hours = 100% of Contracted Demand for 20 days
- (b). PDL during peak hours = 30% of Contracted Demand for 20 days.
- (c). PDL during power holiday period= 10% of Contracted Demand for 10 days

### Permitted Consumption Limit (PCL) under option -2:

- (a). PCL during Off peak =  $CMD \times 90\% \times 1(PF) \times \text{No. of off-peak hours for 20 days.}$
- (b). PCL during peak =  $CMD \times 30\% \times 100\% \times 1(PF) \times \text{No. of peak hours for 20 days.}$
- (c). PCL during power holiday =  $CMD \times 10\% \times 1(PF) \times \text{No. of hours for 10 days.}$

### 13. 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 furnishing the details of their manufacturing process and end product.

Consumers who fall under this category will also give their option in writing for option 1 or for option 2 or for option 3 mentioned below to the concerned SE/Operation with a copy to the CMD /DISCOM

The DISCOMs shall regulate supply to consumers under this category as per the option indicated by the consumer.

The voltage wise Load Factor shall be as mentioned in the table-1 to arrive at **Permitted Consumption Limit (PCL)**.

Table -1

Sl. No.	Supply Voltage	LF for PCL	
		Off-Peak	Peak
1	EHT	75%	100%
2	33 kV	70%	100%
3	11 kV	65%	100%



### Option-1:

Power supply throughout the month with 66% contracted demand during off peak hours and 30% contracted demand during peak hours.

#### Permitted Demand Limits (PDL) under option - 1:

- (a) PDL during Off peak = 66% x Contracted Maximum Demand  
(b) PDL during peak = 30% x Contracted Maximum Demand

#### Permitted Consumption Limit (PCL) under option-1:

- (a). PCL during Off peak  
=  $CMD \times 66\% \times \#LF\% \times 1(PF) \times \text{No. of off-peak hours in the month}$   
*# The LF shall be as mentioned in the table-1 based on the supply voltage.*
- (b). PCL during peak =  $CMD \times 30\% \times 100\% \times 1(PF) \times \text{No. of peak hours in the month}$

### Option-2:

20 days power supply at a stretch and power holiday of 10 days in a month. During 20 days power supply, 100% contracted demand during off peak hours and 30% contracted demand during peak hours is permitted. During power holiday period of 10 days, 10% of contracted demand is permitted for maintenance.

### Option - 3:

Staggered power supply for 20 days, like four days power supply in a week with 100% contracted demand during off peak hours and 30% contracted demand during peak hours. During power holiday period of 10 days, 10% of contracted demand is permitted for maintenance.

#### Permitted Demand Limits (PDL) under option - 2 or option - 3:

- (a) PDL during Off peak = 100% x Contracted Maximum Demand for 20 days  
(b) PDL during peak = 30% x Contracted Maximum Demand for 20 days  
(c) PDL during power holiday period= 10% of Contracted Demand for 10 days

#### Permitted Consumption Limit (PCL) under option-2 or option-3:

- (a). PCL during Off peak  
=  $CMD \times \#LF\% \times 1(PF) \times \text{No. of off-peak hours for 20 days.}$   
*# The LF shall be as mentioned in the table-1 based on the supply voltage.*
- (b). PCL during peak =  $CMD \times 30\% \times 100\% \times 1(PF) \times \text{No. of peak hours for 20 days}$
- (c). PCL during power holiday =  $CMD \times 10\% \times 1(PF) \times \text{No. of hours for 10 days.}$





#### 14. HT-1 Other Industries:

Consumers under this category shall give their option in writing either for option-1, or for option -2, or for option-3 mentioned below to the concerned SE/operation with a copy to the concerned CMD/DISCOM.

The DISCOMs shall regulate supply to consumers under this category as per the option indicated by the consumer.

The voltage wise Load Factor shall be as mentioned in the table-2 to arrive at **Permitted Consumption Limit (PCL)**.

Table-2

Sl. No.	Supply Voltage	LF for PCL	
		Off-Peak	Peak
1	EHT	70%	100%
2	33 kV	65%	100%
3	11 kV	60%	100%

#### Option 1:

Power supply throughout the month with 66% contracted demand during off peak hours and 10% contracted demand during peak hours.

#### Permitted Demand Limits (PDL) under option - 1:

- (a) PDL during Off peak = 66% x Contracted Maximum Demand for 30 days  
(b) PDL during peak = 10% x Contracted Maximum Demand for 30 days

#### Permitted Consumption Limit (PCL) under option-1:

- (a). PCL during Off peak  
=  $CMD \times 66\% \times \text{\#LF} \times 1(PF) \times \text{No. of off-peak hours in the month}$   
*# The LF shall be as mentioned in the table-2 based on the supply voltage.*
- (b). PCL during peak =  $CMD \times 10\% \times 100\% \times 1(PF) \times \text{No. of peak hours in the month}$

#### Option 2:

20 days power supply at a stretch and power holiday of 10 days. During 20 days power supply, 100% contracted demand during off peak hours and 10% contracted demand during peak hours is permitted. During power holiday period of 10 days, 10% of contracted is permitted for maintenance.



### Option 3:

Staggered power supply for 20 days, like four days power supply in a week with 100% contracted demand during off peak hours and 10% contracted demand during peak hours. During power holiday period of 10 days, 10% of contracted demand is permitted for maintenance.

### Permitted Demand Limits (PDL) under option - 2 or option - 3:

- (a) PDL during Off peak =  $100\% \times \text{Contracted Maximum Demand for 20 days}$
- (b) PDL during peak =  $10\% \times \text{Contracted Maximum Demand for 20 days}$
- (c) PDL during power holiday period =  $10\% \text{ of Contracted Demand for 10 days}$

### Permitted Consumption Limit (PCL) under option-2 or option -3:

- (a). PCL during Off peak  
=  $\text{CMD} \times \text{\#LF\%} \times 1(\text{PF}) \times \text{No. of off-peak hours for 20 days.}$   
*# The LF shall be as mentioned in the table-2 based on the supply voltage.*
- (b). PCL during peak =  $\text{CMD} \times 10\% \times 100\% \times 1(\text{PF}) \times \text{No. of peak hours for 20 days}$
- (c). PCL during power holiday =  $\text{CMD} \times 10\% \times 1(\text{PF}) \times \text{No. of hours for 10 days.}$

## 15. HT-II, LT-III and LT-II C

### HT- II - Others:

- PDL (for both peak and off peak) =  $80\% \times \text{Contracted Maximum Demand}$
- PCL =  $\text{CMD} \times 80\% \times 70\% \times 1(\text{PF}) \times \text{No. of hours in the month}$

### LT - III Industry:

No restrictions shall apply during off peak hours and during peak hours only lighting load is permitted.

### LT - II C (Advertising Hoardings):

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

16. In case of feeders which are subjected to Load Relief (LR) by DISCOMs for durations of 4 hrs per day or more, the following Restriction and Control (R&C) measures shall be applicable:



**HT - I:**

100 % Contracted Demand is permitted throughout the month and shall limit energy consumption to the level of Permitted Consumption Limit (PCL) mentioned below:

**Permitted Demand Limits (PDL):**

PDL for both peak and off peak = 100% Contracted Maximum Demand

**Permitted Consumption Limit (PCL)**

PCL during a month = CMD x 66% x <sup>#</sup>LF% x 1(PF) x 600 hrs.

*# The LF for HT-1, shall be as mentioned in the table-2 based on the supply voltage.*

17. The Distribution Companies shall strictly implement these Restriction and Control (R&C) measures and all Consumers, for whom these measures are applicable shall cooperate with the Distribution Licensees in implementing the directions of the Commission. For any non compliance by a consumer, the Licensee shall take action as per the control measures mentioned in para 18.

The Licensees are directed to strictly implement these Restrictions and Control measures in true spirit. Any non-compliance of the order / directions by any Licensee, will attract punishment under section 142 of the Electricity Act, 2003.

**18. Control measures:**

- (a) No consumer shall exceed the PDL during peak or off peak period. If any consumer exceeds the PDL by a quantum less than or equal to 5% of PDL, the Distribution Licensee shall issue a warning notice for first violation in a month. For any subsequent violation, the service will be disconnected with out notice for 24 hours.

If any consumer exceeds the PDL by a quantum exceeding 5% of PDL, the Licensee shall disconnect the service connection for the following time period immediately after detection of violation:

- i) 48 hours disconnection for first violation.
- ii) 7 days disconnection for second time violation.
- iii) 15 days disconnection for third violation.
- iv) 1 month disconnection for fourth violation.





(b) Penal charges for non-compliance of R&C measures:

The Clause 6(8) (page- 208) of chapter XIV of Tariff Order 2013-14, 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 6(8) of Tariff Order 2013-14 in addition to the measures mentioned in para (a) above.

- I. Demand Charges on excess over Permitted Demand Limit (PDL) shall be billed at the rate of 5 times of normal tariff, if the Demand consumed is less than or equal to 5% of PDL in a month.
- II. Demand Charges on excess over Permitted Demand Limit (PDL) shall be billed separately for peak and off-peak at the rate of 6 times of normal tariff for exceeding the PDL beyond 5% of PDL.
- III. For HT-II Consumers, energy charges on excess over PCL during off-peak period shall be billed at the rate of 5 times of normal tariff. Energy charges on excess over PCL during peak period shall be billed at the rate of 6 times of normal tariff consumed during that particular peak time period i.e., 18:00 Hrs. to 22:00 Hrs. of that day.
- IV. For HT-1 consumers, energy charges on excess over PCL during Off-peak period shall be billed at the rate of 6 times of normal tariff.
- V. Consumers opting for 20 days power supply, shall be billed at the rate of 6 times of normal tariff for exceeding PCL during off-peak hours of power holiday period.
- VI. For HT-1 consumers, energy charges on excess over PCL during peak period shall be billed at the rate of 7 times of normal tariff consumed during that particular peak time period, i.e., 18:00 Hrs. to 22:00 Hrs. of that day.
- VII. For LT II(c) consumers, energy charges on excess over PCL shall be billed at the rate of 5 times of normal tariff.

**19. Specific conditions/provisions:**

- (a) The Billing Demand shall be the maximum recorded demand during the month and clause 6 of Chapter (XIV) of Tariff Order 2013-14, shall not apply during these R & C measures. For consumers who opt for 20 days power supply, the demand charges shall be billed on pro-rata rate basis i.e., at the rate of 20/30 of the prescribed rate.
- (b) No deemed consumption charges shall be billed during Restriction and Control period for HT I b category.



- (c) The Distribution Licensees shall not collect Additional Consumption deposit from the consumers to whom these R&C measures are applicable, towards additional security for the year 2013-14, based on the previous year consumption till these Restrictions and Control (R&C) measures are in force.
- (d) The Distribution Licensees shall release additional loads for the services covered in para 21.
- (e) The Distribution Licensees shall not release additional loads for the existing services except those covered in para 21, till these restrictions are removed. However, the Distribution Licensees shall permit restoration of de-rated demand upto a demand less than or equal to de-rated capacity, on a request from any consumer.
- (f) The Licensees shall permit non-discriminatory open access to all HT consumers, subject to technical feasibility, and minimum procurement quantum of 100 kW during R&C period shall be allowed without reference to the clause 8.1 of Regulation No. 2 of 2005. The Distribution Licensees shall not levy cross subsidy surcharge and additional surcharge till these Restrictions are removed.
- (g) Consumers having Generating plants running in parallel with the Grid are exempted from Permitted Demand Limit (PDL) to the extent of start up power operations.
- (h) 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.
- (i) 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.
- (j) The distribution companies shall not allow decorative lighting. The DISCOMs shall give wide publicity in news papers and educate consumers about banning of decorative lighting. The DISCOMs shall disconnect the power supply without any notice for non-compliance.

**20. Working Instructions:**

- (a) The Divisional Engineer (DE) and Assistant Divisional Engineer (ADE) operation shall be made responsible for effective implementation of these Restriction and Control measures. The Divisional Engineer and Assistant Divisional Engineer shall arrange reading of all HT services in their respective jurisdiction once in a





week and get the readings. The readings along with inspection report mentioning incriminating points shall be submitted to the corporate office at the end of every week.

- (b) Apart from the above, the DISCOMs shall form special teams consisting of DPE, MRT and Operation wings. Each team will have a minimum of three officers headed by not below the rank of Divisional Engineer cadre and shall inspect 3 to 4 services every day and all HT services will be inspected weekly once. The inspecting team will submit a comprehensive report to the corporate office every day.
- (c) The inspecting team shall act as per para 18(a), for non-compliance of this order immediately.
- (d) The DISCOMs shall submit a comprehensive report to the Commission once in 15 days mentioning the details like, name of the service, CMD, PDL and PCL limits, Violations detected, number of services inspected, number of services disconnected etc. At the end of billing month, the DISCOMs shall submit a report to the Commission mentioning the service wise details of penal charges levied and collected.
- (e) The DISCOMs shall issue detailed working instructions to all the concerned officers and a copy shall be submitted to the Commission.

**21. List of consumer categories exempted from the purview of R & C measures:**

- (a) Andhra Pradesh Legislative Assembly / Andhra Pradesh Legislative Council.
- (b) Andhra Pradesh High Court.
- (c) Andhra Pradesh Secretariat.
- (d) APSRTC Depots and Zonal workshops.
- (e) Aadhaar Cards printing service connections
- (f) Central Government R & D units.
- (g) Cotton Ginning and Pressing
- (h) Dairies and Milk Chilling plants, Feed mixing plants, Cold storage plants, and Food processing & Food Preservation Plants.
- (i) Defense Establishments.
- (j) Drinking Water Supply Schemes.
- (k) Heavy water plant, Manuguru.
- (l) Hospitals.
- (m) Ice manufacturing Industry.
- (n) Medical oxygen manufacturing plants.
- (o) Medical Diagnostic Centers.






- (p) National Informatics Centre
- (q) Naval Dock Yard, Visakhapatnam.
- (r) Nuclear Fuel Complex, Hyderabad.
- (s) News paper printing and Electronic media.
- (t) Oil exploration Service connections and Oil refineries.
- (u) Power supply to Irrigation construction projects.
- (v) Police Stations and Fire Stations.
- (w) Poultry farms including Hatcheries, Prawn Hatcheries, and Feed Mills.
- (x) Pumping stations being operated by HPCL, IOCL & BPCL.
- (y) Railway traction, Railway workshops, good sheds and Railway stations.
- (z) Religious places.
- (aa) Rice Mills.
- (bb) Sago Mills Industry.
- (cc) Seasonal Industries.
- (dd) Seed Processing Industry
- (ee) Security Printing Press (Government Mint, Hyderabad).
- (ff) Singareni Collieries, Ports, Telegraphs, A.I.R and Doordarshan.
- (gg) Solvent Extraction Plants
- (hh) Street Lights.
- (ii) Telephone Exchanges and Telecom Tower Supply connections
- (jj) Uranium Corporation of India.
- (kk) Water Works, Water pumping stations and Sewerage pumping stations.

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., meter reading date of April, 2013 and will be in force till meter reading date of June, 2013.

This order is signed by the Commission on this 17<sup>th</sup> day of April, 2013

(BY ORDER OF THE COMMISSION)



  
**SECRETARY**  
**SECRETARY**  
 A.P. Electricity Regulatory Commission  
 Hyderabad.