

**Note on****Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of September-2016.****Maharashtra system Overview:-**

The overview of Maharashtra system operation for the month of September-2016 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in September-2016 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	20714 MW (with Load shedding 0 MW)	12.09.2016	20:00 Hrs
2	Min. Demand	11857 MW	24.09.2016	04:00 Hrs
3	Max. Demand Catered	20714 MW	12.09.2016	20:00 Hrs
4	Energy Catered	11371.62 MUs		
5	Max. Energy Catered	450.7 MUs	12.09.2016	
6	Avg. Energy Catered	379 MUs		

- The power supply position for **MSEDCL** in September-2016 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	17881 MW (with Load shedding 0 MW)	12.09.2016	20:00 Hrs
2	Min. Demand	10250 MW	24.09.2016	04:00 Hrs
3	Max. Demand Catered	17881MW	27.08.2016	12:00 Hrs
4	Energy Catered	9677.4 MUs		
5	Max. Energy Catered	391.1 MUs	12.09.2016	
6	Avg. Energy Catered	322.6 MUs		

- The power supply position for **Mumbai system** in September-2016 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3103 MW	02.09.2016	12:00 Hrs
2	Min. Demand	1553 MW	22.09.2016	04:00 Hrs
4	Energy Catered	1694 MUs		
5	Max. Energy Catered	61.0 MUs	14.09.2016	
6	Avg. Energy Catered	56.5 MUs		

#### **Load shedding in MSEDCL area :**

- Revised Feeder wise planned load shedding protocol in MSEDCL, based on MERC Order in Case No.41 of 2012 dt.26.11.2012, is implemented w.e.f. 16/01/2013 by MSEDCL as per circular No.46 Dated 14/01/2013. The hourly load relief quantum is submitted at the end of the day, daily, by LM cell of MSEDCL, Kalwa.
  - Maximum load shedding was recorded as 10 MW on 10/09/2016 at 09:00 Hrs. and Min. load shedding was recorded as 05 MW on 10/09/2016 at 08:00 Hrs. Average load shedding quantum for the month was 0.020 MW.
  - Planned load shedding for load relief is carried out in MSEDCL area to mitigate the availability in real time if required. AG-LM load management scheme is revised, as per the new load shedding circular **w.e.f 08.09.2016 vide MSEDCL letter No. EDI/27651 dt.07.09.2016 to provide 12 Hrs 3 Phase supply to AG Loads.**
  - There was no distress load shedding due to shortfall of supply during the month.
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### **Other Highlights of Maharashtra System in September-16.**

- RGPPL one block is on bar. The RGPPL Power is scheduled to Railways only.
  - 3.55 TMC of Koyna water was utilized for September-2016.
  - Wind Generation for the month was 613 Mus. Average wind generation was 851 MW/hour.
  - The average grid frequency for the month was 49.97 Hz. The Instantaneous Maximum frequency was 50.21Hz and Minimum frequency was 49.66Hz.
  - There was no instance of under frequency operation during the month.
  - MSPGCL Thermal actual generation was as high as 6087MW (hourly max) on 10/09/2016 at 11:00 hrs.
  - MSPGCL Thermal actual generation was as low as 1793MW (hourly min) on 20/09/2016 at 03:00 hrs.
  - Max. Voltage at 765KV Substation was recorded at Ektuni substation i.e 787 KV and Min voltage was recorded at Koradi III substation i.e 737 KV
  - Max. Voltage at MSETCL 400 kV Substation was recorded at Nanded Substation i.e 439 kV and Min voltage was recorded at Lamboti substation i.e 370 kV
  - There was no planned load shedding in Mumbai area (i.e. BEST, R-Infra-D, and TPC-D) during the Month.
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