

**Note on****Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of March-2017.****Maharashtra system Overview:-**

The overview of Maharashtra system operation for the month of March-2017 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in March-2017 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	23055 MW (with Load shedding 538 MW)	30.03.2017	13:00 Hrs
2	Min. Demand	14508 MW	14.03.2017	03:00 Hrs
3	Max. Demand Catered	22745 MW	30.03.2017	16:00 Hrs
4	Energy Catered	14199 MUs		
5	Max. Energy Catered	501 MUs	30.03.2017	
6	Avg. Energy Catered	458 MUs		

- The power supply position for **MSEDCL** in March-2017 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	19745 MW (with Load shedding 538 MW)	30.03.2017	13:00 Hrs
2	Min. Demand	12564 MW	13.03.2017	22:00 Hrs
3	Max. Demand Catered	19207 MW	30.03.2017	13:00 Hrs
4	Energy Catered	12434.8 MUs		
5	Max. Energy Catered	435.1 MUs	30.03.2017	
6	Avg. Energy Catered	401 MUs		

- The power supply position for **Mumbai system** in March-2017 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3341 MW	29.03.2017	13:00 Hrs
2	Min. Demand	1433 MW	14.03.2017	04:00 Hrs
3	Max. Demand Catered	3341	29.03.2017	13:00 Hrs
4	Energy Catered	1764 MUs		
5	Max. Energy Catered	66.6 MUs	29.03.2017	
6	Avg. Energy Catered	56.9 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 703 MW on 29/03/2017 at 14:00 Hrs. and Min. load shedding was recorded as 00 MW on 01/03/2017 at 01:00 Hrs. Average load shedding quantum for the month was 14 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. 16.12.2017 vide MSEDCL letter No. EDI/12hrs Ag supply/37003 dt. 15.12.2017, 3 Phase supply to AG Loads will be 8/10 Hrs w.e.f. 16.12.2017
  - There was no distress load shedding due to shortfall of Power supply during the month.
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### **Other Highlights of Maharashtra System in March-17.**

- RGPPL one block is on bar. The RGPPL Power is scheduled to Railways only.
  - 6.5 TMC of Koyna water was utilized for month of March-2017.
  - Wind Generation for the month was 240 Mus. Average wind generation was 321 MW/hour.
  - The average grid frequency for the month was 49.96 Hz. The Instantaneous Maximum frequency was 50.32 Hz and Minimum frequency was 49.63Hz.
  - There was no instance of under frequency operation during the month.
  - MSPGCL Thermal actual generation was as high as 6856 MW (hourly max) on 27/03/2017 at 02:00 hrs.
  - MSPGCL Thermal actual generation was as low as 4087 MW (hourly min) on 12/03/2017 at 24:00 hrs.
  - Max.Voltage at 765KV Substation was recorded at Ektuni substation i.e 797 KV and Min voltage was recorded at Tiroda substation i.e. 745 KV
  - Max. Voltage at MSETCL 400 kV Substation was recorded at Kalwa Substation i.e 435 kV and Min voltage was recorded at Lamboti substation i.e. 368 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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