

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	21818 MW (with Load shedding 0 MW)	20.02.2017	12:00 Hrs
2	Min. Demand	14904 MW	13.02.2017	02:00 Hrs
3	Max. Demand Catered	21818 MW	20.02.2017	12:00 Hrs
4	Energy Catered	12334 MUs		
5	Max. Energy Catered	463 MUs	28.02.2017	
6	Avg. Energy Catered	440 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	18830 MW (with Load shedding 0 MW)	20.02.2017	12:00 Hrs
2	Min. Demand	13410 MW	12.02.2017	23:00 Hrs
3	Max. Demand Catered	18830 MW	20.02.2017	12:00 Hrs
4	Energy Catered	10866 MUs		
5	Max. Energy Catered	404 MUs	28.02.2017	
6	Avg. Energy Catered	388 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	2988 MW	20.02.2017	12:00 Hrs
2	Min. Demand	1322 MW	07.02.2017	04:00 Hrs
4	Energy Catered	1468 MUs		
5	Max. Energy Catered	58 MUs	28.02.2017	
6	Avg. Energy Catered	52 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 750 MW on 22/02/2017 at 13:00 Hrs. and Min. load shedding was recorded as 00 MW on 01/02/2017 at 00:00 Hrs. Average load shedding quantum for the month was 5.07 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.

### **Other Highlights of Maharashtra System in February-17.**

- RGPPL one block is on bar. The RGPPL Power is scheduled to Railways only.
  - 5.382 TMC of Koyna water was utilized for month of February-2017.
  - Wind Generation for the month was 206 Mus. Average wind generation was 307 MW/hour.
  - The average grid frequency for the month was 49.98 Hz. The Instantaneous Maximum frequency was 50.33 Hz and Minimum frequency was 49.74Hz.
  - There was no instance of under frequency operation during the month.
  - MSPGCL Thermal actual generation was as high as 6790 MW (hourly max) on 15/02/2017 at 14:00 hrs.
  - MSPGCL Thermal actual generation was as low as 4788 MW (hourly min) on 06/02/2017 at 04:00 hrs.
  - Max.Voltage at 765KV Substation was recorded at Akola (Adani) substation i.e 798 KV and Min voltage was recorded at Tiroda substation i.e. 742 KV
  - Max. Voltage at MSETCL 400 kV Substation was recorded at Kalwa Substation i.e 433 kV and Min voltage was recorded at Lamboti substation i.e. 357 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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