

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	19458MW (with Load shedding 7 MW)	09.02.2016	10:00 Hrs
2	Min. Demand	13372MW	08.02.2016	04:00 Hrs
3	Max . Demand Catered	19451 MW	09.02.2016	10:00 Hrs
4	Energy Catered	11362.439Mus		
5	Max. Energy Catered	411 Mus	24.02.2016	
6	Avg. Energy Catered	391.8 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	17039MW (with Load shedding 7MW)	09.02.2016	10:00 Hrs
2	Min. Demand	12117MW	07.02.2016	23:00 Hrs
3	Max . Demand Catered	17032 MW	09.02.2016	10:00 Hrs
4	Energy Catered	9926.731Mus		
5	Max. Energy Catered	357.6Mus	24.02.2016	
6	Avg. Energy Catered	342.3Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	2938MW	29.02.2016	12:00 Hrs
2	Min. Demand	1252MW	08.02.2016	04:00 Hrs
4	Energy Catered	1435.708Mus		
5	Max. Energy Catered	56Mus	29.02.2016	
6	Avg. Energy Catered	49.5Mus		

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.
 - Max. load shedding was recorded as 37 MW on 02/02/2016 at 14:00 Hrs. and Min. load shedding was recorded as 2 MW on 02/02/2016 at 01:00 Hrs. Average load shedding quantum for the month was 5.833MW.
 - Planned load shedding for load relief is carried out in MSEDCL area to mitigate the availability in real time if required. In addition, AG-LM load management scheme was in force for defined hours, as per the load shedding circular.
 - There was no distress load shedding due to shortfall of supply during the month.
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Other Highlights of Maharashtra System in Feb.-16.

- RGPPL one block is on bar. The RGPPL Power is scheduled to Railways only.
 - 2.312 TMC of Koyna water was utilized for Feb-2016.
 - Wind Generation for the month was 193 Mus. Average wind generation was 277.23 MW/hour.
 - The average grid frequency for the month was 49.97 Hz. The Instantaneous Maximum frequency was 50.38Hz. and Minimum frequency was 49.68 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 5566 MW (hourly max) on 15/02/2016 at 11:00 hrs.
 - MSPGCL Thermal actual generation was as low as 3797 MW (hourly min) on 05/02/2016 at 03:00 hrs.
 - Max. Voltage at 765KV Substation was recorded at Akola substation i.e 782KV and Min voltage was recorded at Akola substation i.e 729 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Nandgaonpeth s/s i.e 436 kV and Min voltage was recorded at Lamboti s/s i.e 378 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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