

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	19866MW (with Load shedding 0 MW)	22.03.2016	11:00 Hrs
2	Min. Demand	13923MW	01.03.2016	04:00 Hrs
3	Max . Demand Catered	19866 MW	22.03.2016	11:00 Hrs
4	Energy Catered	12736Mus		
5	Max. Energy Catered	435 Mus	29.03.2016	
6	Avg. Energy Catered	411 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	16929MW (with Load shedding 0MW)	22.03.2016	11:00 Hrs
2	Min. Demand	12170MW	24.03.2016	19:00 Hrs
3	Max . Demand Catered	16929MW	22.03.2016	11:00 Hrs
4	Energy Catered	10973.49Mus		
5	Max. Energy Catered	372.4Mus	29.03.2016	
6	Avg. Energy Catered	354Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3126MW	29.03.2016	12:00 Hrs
2	Min. Demand	1591MW	01.03.2016	04:00 Hrs
4	Energy Catered	1763Mus		
5	Max. Energy Catered	62.9Mus	29.03.2016	
6	Avg. Energy Catered	56.9Mus		

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 05 MW on 01/03/2016 at 01:00 Hrs. and Min. load shedding was recorded as 0 MW on 18/03/2016 at 01:00 Hrs. Average load shedding quantum for the month was 2.14MW.
 - 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 March-16.

- RGPPL one block is on bar. The RGPPL Power is scheduled to Railways only.
 - 3.297 TMC of Koyna water was utilized for March-2016.
 - Wind Generation for the month was 302.3 Mus. Average wind generation was 406.4 MW/hour.
 - The average grid frequency for the month was 49.96 Hz. The Instantaneous Maximum frequency was 50.29Hz. and Minimum frequency was 49.64 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 5041 MW (hourly max) on 10/03/2016 at 08:00 hrs.
 - MSPGCL Thermal actual generation was as low as 2931 MW (hourly min) on 24/03/2016 at 24:00 hrs.
 - Max. Voltage at 765KV Substation was recorded at Akola substation i.e 779KV and Min voltage was recorded at Koradi III substation i.e 710 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Kalwa s/s i.e 437 kV and Min voltage was recorded at Chakan s/s i.e 379 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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