

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	20522 MW (with Load shedding 0 MW)	20.04.2016	11:00 Hrs
2	Min. Demand	15322 MW	24.04.2016	19:00 Hrs
3	Max. Demand Catered	20522 MW	20.04.2016	11:00 Hrs
4	Energy Catered	12928 MUs		
5	Max. Energy Catered	455 MUs	20.04.2016	
6	Avg. Energy Catered	431 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	17411 MW (with Load shedding 0MW)	20.04.2016	11:00 Hrs
2	Min. Demand	13087 MW	08.04.2016	19:00 Hrs
3	Max. Demand Catered	17411 MW	22.03.2016	11:00 Hrs
4	Energy Catered	11122 MUs		
5	Max. Energy Catered	391.8 MUs	20.04.2016	
6	Avg. Energy Catered	370.7 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3266 MW	29.04.2016	13:00 Hrs
2	Min. Demand	1794 MW	04.04.2016	05:00 Hrs
4	Energy Catered	1806 MUs		
5	Max. Energy Catered	65 MUs	29.04.2016	
6	Avg. Energy Catered	60 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.
 - Max. load shedding was recorded as 536 MW on 26/04/2016 at 17:00 Hrs. and Min. load shedding was recorded as 1 MW on 30/04/2016 at 06:00 Hrs. Average load shedding quantum for the month was 4.93MW.
 - 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 April-16.

- RGPPL one block is on bar. The RGPPL Power is scheduled to Railways only.
 - 6.4 TMC of Koyna water was utilized for April-2016.
 - Wind Generation for the month was 403 Mus. Average wind generation was 560 MW/hour.
 - The average grid frequency for the month was 49.96 Hz. The Instantaneous Maximum frequency was 50.28Hz. 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 5722 MW (hourly max) on 19/04/2016 at 09:00 hrs.
 - MSPGCL Thermal actual generation was as low as 3280 MW (hourly min) on 08/04/2016 at 19:00 hrs.
 - Max. Voltage at 765KV Substation was recorded at Akola substation i.e 790 KV and Min voltage was recorded at Akola substation i.e 738 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Koradi -II s/s i.e 436 kV and Min voltage was recorded at Jejuri s/s i.e 384 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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