

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	16463MW (with Load shedding 0 MW)	27.07.2016	20:00 Hrs
2	Min. Demand	11623MW	12.07.2016	03:00 Hrs
3	Max. Demand Catered	16463MW	27.07.2016	20:00 Hrs
4	Energy Catered	10599MUs		
5	Max. Energy Catered	362MUs	26.07.2016	
6	Avg. Energy Catered	342MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	13830MW (with Load shedding 0MW)	27.07.2016	20:00 Hrs
2	Min. Demand	9820MW	11.07.2016	01:00 Hrs
3	Max. Demand Catered	13830MW	27.07.2016	20:00 Hrs
4	Energy Catered	8876MUs		
5	Max. Energy Catered	305MUs	26.07.2016	
6	Avg. Energy Catered	286MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3081 MW	13.07.2016	12:00 Hrs
2	Min. Demand	1567MW	29.07.2016	04:00 Hrs
4	Energy Catered	1723 MUs		
5	Max. Energy Catered	59.6MUs	13.07.2016	
6	Avg. Energy Catered	55.6MUs		

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 62MW on 25/07/2016 at 20:00 Hrs. and Min. load shedding was recorded as 28MW on 30/07/2016 at 08:00 Hrs. Average load shedding quantum for the month was 0.30MW.
 - 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 July-16.

- RGPPL one block is on bar. The RGPPL Power is scheduled to Railways only.
 - 3.497 TMC of Koyna water was utilized for July-2016.
 - Wind Generation for the month was 949Mus. Average wind generation was 1276MW/hour.
 - The average grid frequency for the month was 49.98Hz. The Instantaneous Maximum frequency was 50.33Hz and Minimum frequency was 49.67Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 5005MW (hourly max) on 01/07/2016 at 21:00 hrs.
 - MSPGCL Thermal actual generation was as low as 2169MW (hourly min) on 31/07/2016 at 13:00 hrs.
 - Max. Voltage at 765KV Substation was recorded at Akola substation i.e 792 KV and Min voltage was recorded at Koradi III substation i.e 737 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Koradi -II s/s i.e 438 kV and Min voltage was recorded at Chakan s/s i.e 391 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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