

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	19913 MW (with Load shedding 0 MW)	10.07.2017	14:00 Hrs
2	Min. Demand	13157 MW	22.07.2017	04:00 Hrs
3	Max . Demand Catered	19913 MW	10.07.2017	14:00 Hrs
4	Energy Catered	12027 Mus		
5	Max. Energy Catered	436 Mus	10.07.2017	
6	Avg. Energy Catered	388 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	16783 MW (with Load shedding 0 MW)	09.07.2017	13:00 Hrs
2	Min. Demand	11444 MW	22.07.2017	03:00 Hrs
3	Max . Demand Catered	16783 MW	09.07.2017	13:00 Hrs
4	Energy Catered	10195 Mus		
5	Max. Energy Catered	372 Mus	10.07.2017	
6	Avg. Energy Catered	329 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3280 MW	06.07.2017	12:00 Hrs
2	Min. Demand	1632 MW	19.07.2017	04:00 Hrs
4	Energy Catered	1832 Mus		
5	Max. Energy Catered	65 Mus	11.07.2017	
6	Avg. Energy Catered	59.1 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 0 MW and Min. load shedding was recorded as 0 MW. Average load shedding quantum for the month was 0 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, 15.12.2017m 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 supply during the month.
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Other Highlights of Maharashtra System in July-17.

- The RGPPL Power is scheduled to Railways only.
 - 3.19 TMC of Koyna water was utilized for July-2017.
 - Wind Generation for the month was 1427 Mus. Average wind generation was 1918 MW/hour.
 - The average grid frequency for the month was 50.00 Hz. The Instantaneous Maximum frequency was 50.02Hz. and Minimum frequency was 49.95 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 5516 MW (hourly max) on 09/07/2017 at 13:00 hrs.
 - MSPGCL Thermal actual generation was as low as 2998 MW (hourly min) on 25/07/2017 at 05:00 hrs.
 - Max. Voltage at 765KV Substation was recorded at 765KV Tirora substation i.e 774 KV and Min voltage was recorded at 765KV Ektuni substation i.e 745 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Nanded i.e 438 kV and Min voltage was recorded at 400KV Lamboti i.e 386 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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