

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of July -2018****Maharashtra system Overview:-**

The overview of Maharashtra system operation for the month of July-2018 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in July-2018 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	19850 MW (with Load shedding 0 MW)	31.07.2018	10:00 Hrs
2	Min. Demand	13416 MW	17.07.2018	04:00 Hrs
3	Max. Demand Catered	19850 MW	31.07.2018	10:00 Hrs
4	Energy Catered	12321 Mus		
5	Max. Energy Catered	438 Mus	31.07.2018	
6	Avg. Energy Catered	397 Mus		

- The power supply position for **MSEDCL** in July-2018 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	17106 MW (with Load shedding 0 MW)	31.07.2018	09:00 Hrs
2	Min. Demand	11713 MW	17.07.2018	04:00 Hrs
3	Max. Demand Catered	17106 MW	31.07.2018	09:00 Hrs
4	Energy Catered	10547 Mus		
5	Max. Energy Catered	376 Mus	31.07.2018	
6	Avg. Energy Catered	340 Mus		

- The power supply position for **Mumbai system** in July-2018 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3180 MW	30.07.2018	12:00 Hrs
2	Min. Demand	1554 MW	10.07.2018	04:00 Hrs
3	Energy Catered	1774.42 Mus		
4	Max. Energy Catered	62 Mus	31.07.2018	
5	Avg. Energy Catered	57.24 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 10 MW on dt. 15.07.2018 at 20.00 hrs. 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. 17.09.2017 vide MSEDCL letter no. ED-I/Ag Time Change/22352 dt, 15.09.2017, 3 phase supply to AG loads will be 10/8 Hrs. w.e.f. 17.09.2017.

Other Highlights of Maharashtra System in July-2018

- The RGPPL Power is scheduled to Railways only.
- 1.813 TMC of Koyna water was utilized for July-2018.
- Wind Generation for the month was 1570.58 Mus. Average wind generation was 2111 MW/hour.

- The average grid frequency for the month was 49.97 Hz. The Instantaneous Maximum frequency was 50.07 Hz and Minimum frequency was 49.78 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 5137 MW (hourly max) on 05/07/2018 at 21:00 hrs.
 - MSPGCL Thermal actual generation was as low as 3322 MW (hourly min) on 13/07/2018 at 19:00 hrs.
 - Max. Voltage at 765KV Substation was recorded at 765KV Akola substation i.e 792 KV and Min voltage was recorded at 765KV Ektuni substation i.e 709 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Kalwa i.e 440 kV and Min voltage was recorded at 400KV Jejuri i.e 387 kV
 - There was no planned load shedding in Mumbai area (BEST, R-infra-D and TPC-D) during the month.
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