

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	21257 MW (with Load shedding 2519 MW)	05.10.2017	16:00 Hrs
2	Min. Demand	12793 MW	20.10.2017	03:00 Hrs
3	Max. Demand Catered	19924 MW	30.10.2017	12:00 Hrs
4	Energy Catered	12310 Mus		
5	Max. Energy Catered	429 Mus	4.10.2017	
6	Avg. Energy Catered	397 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	17851 MW (with Load shedding 2519 MW)	05.10.2017	16:00 Hrs
2	Min. Demand	10670 MW	20.10.2017	01:00 Hrs
3	Max. Demand Catered	16843 MW	30.10.2017	12:00 Hrs
4	Energy Catered	10427 Mus		
5	Max. Energy Catered	362 Mus	31.10.2017	
6	Avg. Energy Catered	336 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3445 MW	06.10.2017	12:00 Hrs
2	Min. Demand	1770 MW	09.10.2017	05:00 Hrs
4	Energy Catered	1884 Mus		
5	Max. Energy Catered	69 Mus	05.10.2017	
6	Avg. Energy Catered	61 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 2519 MW and Min. load shedding was recorded as 0 MW. Average load shedding quantum for the month was 219 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 8/8 Hrs. w.e.f. 17.09.2017.
 - There was no distress load shedding due to shortfall of supply during the month.
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Other Highlights of Maharashtra System in October -17.

- The RGPPL Power is scheduled to Railways only.
 - 3.323 TMC of Koyna water was utilized for October -2017.
 - Wind Generation for the month was 149 Mus. Average wind generation was 199 MW/hour.
 - The average grid frequency for the month was 50 Hz. The Instantaneous Maximum frequency was 50 Hz and Minimum frequency was 49.9 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 6086 MW (hourly max) on 18/10/2017 at 07:00 hrs.
 - MSPGCL Thermal actual generation was as low as 3831 MW (hourly min) on 22/10/2017 at 04:00 hrs.
 - Max. Voltage at 765KV Substation was recorded at 765KV Akola substation and 765KV Ektuni subsubstation i.e 789 KV and Min voltage was recorded at 765KV Tirora substation i.e 746 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Nanded i.e 439 kV and Min voltage was recorded at 400KV Kharghar i.e 392 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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