

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	24962 MW ( with Load shedding 950 MW)	22.10.2018	12:00 Hrs
2	Min. Demand	16168 MW	18.10.2018	23:00 Hrs
3	Max. Demand Catered	24012 MW	22.10.2018	12:00 Hrs
4	Energy Catered	15475 Mus		
5	Max. Energy Catered	518 Mus	10.10.2018	
6	Avg. Energy Catered	499 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	21607 MW ( with Load shedding 862 MW )	23.10.2018	12:00 Hrs
2	Min. Demand	13767 MW	18.10.2018	23:00 Hrs
3	Max. Demand Catered	20745 MW	23.10.2018	12:00 Hrs
4	Energy Catered	13428 Mus		
5	Max. Energy Catered	447 Mus	23.10.2018	
6	Avg. Energy Catered	433 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3599 MW	08.10.2018	16:00 Hrs
2	Min. Demand	1895 MW	19.10.2018	05:00 Hrs
3	Energy Catered	2047 Mus		
4	Max. Energy Catered	72 Mus	19.10.2018	
5	Avg. Energy Catered	66 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 1631 MW on dt. 22.10.2018 at 08.00 hrs. and Min. load shedding was recorded as 0 MW. Average load shedding quantum for the month was 173 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 October-2018**

- The RGPPL Power is scheduled to Railways only.
  - 4.798 TMC of Koyna water was utilized for October-2018.
  - Wind Generation for the month was 263 Mus. Average wind generation was 353 MW/hour.
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- The average grid frequency for the month was 49.97 Hz. The Instantaneous Maximum frequency was 50.07 Hz and Minimum frequency was 49.7 Hz.
  - There was no instance of under frequency operation during the month.
  - MSPGCL Thermal actual generation was as high as 5810 MW (hourly max) on 29/10/2018 at 17:00 hrs.
  - MSPGCL Thermal actual generation was as low as 4453 MW (hourly min) on 05/10/2018 at 01:00 hrs.
  - Max. Voltage at 765KV Substation was recorded at 765KV Ektuni substation i.e 789 KV and Min voltage was recorded at 765KV Akola and Tirora substation i.e 744 KV
  - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Jaigad i.e 439 kV and Min voltage was recorded at 400KV Jejuri i.e 372 kV
  - There was no planned load shedding in Mumbai area (BEST, R-infra-D and TPC-D) during the month.
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