

**Note on****Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of September - 2019****Maharashtra system Overview:-**

The overview of Maharashtra system operation for the month of September - 2019 with respect to availability and shortfall is elaborated as under;

- The power supply position for **STATE** in September - 2019 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	18793 MW ( with Load shedding 0 MW)	17.09.2019	11:00 Hrs
2	Min. Demand	13293 MW	13.09.2019	03:00 Hrs
3	Max. Demand Catered	18793 MW	17.09.2019	11:00 Hrs
4	Energy Catered	11730 MUs		
5	Max. Energy Catered	412 MUs	17.09.2019	
6	Avg. Energy Catered	391 MUs		

- The power supply position for **MSEDCL** in September - 2019 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	16098 MW ( with Load shedding 0 MW )	17.09.2019	09:00 Hrs
2	Min. Demand	11483 MW	13.09.2019	03:00 Hrs
3	Max. Demand Catered	16098 MW	17.09.2019	09:00 Hrs
4	Energy Catered	9984 MUs		
5	Max. Energy Catered	351 MUs	17.09.2019	
6	Avg. Energy Catered	333 MUs		

- The power supply position for **Mumbai system** in September - 2019 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3276 MW	26.09.2019	12:00 Hrs
2	Min. Demand	1723 MW	08.09.2019	05:00 Hrs
3	Energy Catered	1746 MUs		
4	Max. Energy Catered	64 MUs	24.09.2019	
5	Avg. Energy Catered	59 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. 01.01.2019 vide MSEDCL letter no. CE(PP)/LM/30923 dt, 29.12.2018, 3 phase supply to AG loads will be 8/10 Hrs. w.e.f. 01.01.2019.

#### **Other Highlights of Maharashtra System in September - 2019**

- The RGPPL Power is scheduled to Railways only.
- 7.541 TMC of Koyna water is utilized for September – 2019.

- Wind Generation for the month was 843 MUs. Average wind generation was 1171 MW/hour.
  - The average grid frequency for the month was 50Hz. The Instantaneous Maximum frequency was 50.14 Hz and Minimum frequency was 49.62 Hz.
  - There was no instance of under frequency operation during the month.
  - MSPGCL Thermal actual generation was as high as 4323 MW (hourly max) on 01/09/2019 at 10:00 hrs.
  - MSPGCL Thermal actual generation was as low as 2459 MW (hourly min) on 25/09/2019 at 12:00 hrs.
  - Max. Voltage at 765kV Substation was recorded at 765KV Ektuni substation i.e 800 kV and Min voltage was recorded at 765kV Tirora substation i.e 754 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 385 kV.
  - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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