

**Note on****Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of October - 2021****Maharashtra system Overview: -**

The overview of Maharashtra system operation for the month of October - 2021 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in October - 2021 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	22892 MW ( with Load shedding 0 MW)	28.10.2021	11:00 Hrs.
2	Min. Demand	15329 MW	02.10.2021	03:00 Hrs.
3	Max. Demand Catered	22892 MW	28.10.2021	11:00 Hrs..
4	Energy Catered	14264 MUs		
5	Max. Energy Catered	492 MUs	27.10.2021	
6	Avg. Energy Catered	460 MUs		

- The power supply position for **MSEDCL** in October- 2021 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	20125 MW ( with Load shedding 0 MW )	30.10.2021	11:00 Hrs.
2	Min. Demand	13394 MW	02.10.2021	03:00 Hrs.
3	Max. Demand Catered	20125 MW	30.10.2021	11:00 Hrs.
4	Energy Catered	12392 MUs		
5	Max. Energy Catered	432 MUs	30.10.2021	
6	Avg. Energy Catered	400 MUs		

- The power supply position for **Mumbai system** in October - 2021 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3288 MW	14.10.2021	12:00 Hrs.
2	Min. Demand	1781 MW	30.10.2021	05:00 Hrs.
3	Energy Catered	1872 MUs		
4	Max. Energy Catered	67 MUs	14.10.2021	
5	Avg. Energy Catered	60 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 October - 2021**

- The RGPPL Power is scheduled to Railways only.
  - 9.924 TMC of Koyna water is utilized for October – 2021.
  - Wind Generation for the month was 266 MUs. Average wind generation was 357 MW/hour.
  - The average grid frequency for the month was 49.98 Hz. The Instantaneous Maximum frequency was 50.11 Hz and Minimum frequency was 49.76 Hz.
  - There was no instance of under frequency operation during the month.
  - MSPGCL Thermal actual generation was as high as 6604 MW (hourly max) on 31.10.21 at 07:00 hrs.
  - MSPGCL Thermal actual generation was as low as 3386 MW (hourly min) on 04.10.21 at 10:00 hrs.
  - Max. Voltage at 765kV Substation was recorded as 791kV at 765KV Ektuni and Akola substation and Min voltage was recorded as 751kV at 765kV Ektuni substation.
  - Max.Voltage at MSETCL 400 kV Substation recorded as 439kV at 400KV Kalwa and Min voltage was recorded as 378 at 400KV Jejuri.
  - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month. However, on 12.10.2021, 217MW load was curtailed due to system constrain in 400kV network feeding to MMR.
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