

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	24420 MW ( with Load shedding 0 MW)	28.12.2021	12:00 Hrs.
2	Min. Demand	14584 MW	02.12.2021	03:00 Hrs.
3	Max. Demand Catered	24420 MW	28.12.2021	12:00 Hrs.
4	Energy Catered	14562 MUs		
5	Max. Energy Catered	493 MUs	23.12.2021	
6	Avg. Energy Catered	470 MUs		

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

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	21764 MW ( with Load shedding 0 MW )	25.12.2021	11:00 Hrs.
2	Min. Demand	12873 MW	02.12.2021	03:00 Hrs.
3	Max. Demand Catered	21764 MW	25.12.2021	11:00 Hrs.
4	Energy Catered	12992 MUs		
5	Max. Energy Catered	432 MUs	23.12.2021	
6	Avg. Energy Catered	410 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	2834 MW	13.12.2021	12:00 Hrs.
2	Min. Demand	1351 MW	27.12.2021	04:00 Hrs.
3	Energy Catered	1570 MUs		
4	Max. Energy Catered	56 MUs	10.12.2021	
5	Avg. Energy Catered	51 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 December - 2021**

- The RGPPL Power is scheduled to Railways only.
  - 2.585 TMC of Koyna water is utilized for December – 2021.
  - Wind Generation for the month was 255 MUs. Average wind generation was 343 MW/hour.
  - The average grid frequency for the month was 49.99 Hz. The Instantaneous Maximum frequency was 50.22 Hz and Minimum frequency was 49.84 Hz.
  - There was no instance of under frequency operation during the month.
  - MSPGCL Thermal actual generation was as high as 7392 MW (hourly max) on 24.12.21 at 09:00 hrs.
  - MSPGCL Thermal actual generation was as low as 4134 MW (hourly min) on 12.12.21 at 24:00 hrs.
  - Max. Voltage at 765kV Substation was recorded as 798 at 765KV Akola substation and Min voltage was recorded as 747 kV at 765kV Koradi III and Tirora substation.
  - Max.Voltage at MSETCL 400 kV Substation recorded as 441kV at 400KV Kalwa and Min voltage was recorded as 386 at 400KV Chakan.
  - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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