

**Note on****Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of November - 2023****Maharashtra system Overview: -**

The overview of Maharashtra system operation for the month of November- 2023 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in November - 2023 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	28356 MW ( with Load shedding 0 MW )	09.11.2023	11:00 Hrs.
2	Min. Demand	17367 MW	27.11.2023	04:00 Hrs.
3	Max. Demand Catered	28356 MW	09.11.2023	11:00 Hrs.
4	Energy Catered	16935 MUs		
5	Max. Energy Catered	613 MUs	08.11.2023	
6	Avg. Energy Catered	565 MUs		

- The power supply position for **MSEDCL** in November - 2023 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	24441 MW ( with Load shedding 0 MW )	09.11.2023	11:00 Hrs.
2	Min. Demand	15021 MW	27.11.2023	04:00 Hrs.
3	Max. Demand Catered	24441 MW	09.11.2023	11:00 Hrs.
4	Energy Catered	14670 MUs		
5	Max. Energy Catered	531 MUs	08.11.2023	
6	Avg. Energy Catered	489 MUs		



- The power supply position for **Mumbai system** in November - 2023 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3540 MW	08.11.2023	16:00 Hrs.
2	Min. Demand	1844 MW	30.11.2023	04:00 Hrs.
3	Energy Catered	1952 MUs		
4	Max. Energy Catered	71 MUs	09.11.2023	
5	Avg. Energy Catered	65 MUs		

- The power supply position for **Other Discoms** (Indian Railway, Mind Space, Gigaplex, KRC Infrastructure, Nidar Utilities, MADDC, E-ON Phase I, E-ON Phase II, Laxmi Pati) in November - 2023 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	504 MW	23.11.2023	18:00 Hrs.
2	Min. Demand	317 MW	15.11.2023	04:00 Hrs.
3	Energy Catered	321 MUs		
4	Max. Energy Catered	11 MUs	01.11.2023	
5	Avg. Energy Catered	10 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. Circular no. 46 is temporarily modified by circular no 56 dt. 18.04.2022. 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 311 MW on 11.11.2023 at 08:00 Hrs. Load shedding was carried out due to transmission constraint in Pune region.
- 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 load shedding circular w.e.f. 20.04.2022 vide MSEDCL letter no. ED(II)/LM/PLS/09490 dated 18.04.2022, 3 phase supply to AG. loads will be 8/10 Hrs. w.e.f. 20.04.2022.



### **Other Highlights of Maharashtra System in November- 2023**

- 2.201 TMC of Koyna water is utilized for November – 2023.
  - Wind Generation for the month was 274 MUs. Average wind generation was 380 MW/hour.
  - The average grid frequency for the month was 49.99 Hz. The Instantaneous Maximum frequency was 50.38 Hz and Minimum frequency was 49.54 Hz.
  - MSPGCL Thermal actual generation was as high as 7880 MW (hourly max) on 07.11.23.
  - MSPGCL Thermal actual generation was as low as 4659 MW (hourly min) on 30.11.23.
  - Max. Voltage at 765kV Substation was recorded as 794 kV at 765KV Ektuni & Akola substation and Min. voltage was recorded as 748 kV at 765kV Ektuni substation.
  - Max.Voltage at MSETCL 400 kV Substation recorded as 440 kV at 400kV Kalwa and Min. voltage was recorded 371 kV at 400 kV Lonikand-I substations.
  - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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