

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	28206 MW (with Load shedding 0 MW)	17.10.2023	12:00 Hrs.
2	Min. Demand	17914 MW	02.10.2023	04:00 Hrs.
3	Max. Demand Catered	28206 MW	17.10.2023	12:00 Hrs.
4	Energy Catered	18202 MUs		
5	Max. Energy Catered	632 MUs	18.10.2023	
6	Avg. Energy Catered	587 MUs		

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

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	24175 MW (with Load shedding 0 MW)	19.10.2023	12:00 Hrs.
2	Min. Demand	15407 MW	02.10.2023	02:00 Hrs.
3	Max. Demand Catered	24175 MW	19.10.2023	12:00 Hrs.
4	Energy Catered	15695 MUs		
5	Max. Energy Catered	544 MUs	18.10.2023	
6	Avg. Energy Catered	506 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3871 MW	13.10.2023	16:00 Hrs.
2	Min. Demand	2057 MW	01.10.2023	05:00 Hrs.
3	Energy Catered	2186 MUs		
4	Max. Energy Catered	78 MUs	17.10.2023	
5	Avg. Energy Catered	71 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 October - 2023 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	519 MW	09.10.2023	17:00 Hrs.
2	Min. Demand	301 MW	30.10.2023	04:00 Hrs.
3	Energy Catered	321 MUs		
4	Max. Energy Catered	11 MUs	25.10.2023	
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 October- 2023

- 7.089 TMC of Koyna water is utilized for October – 2023.
 - Wind Generation for the month was 249 MUs. Average wind generation was 335 MW/hour.
 - The average grid frequency for the month was 49.99 Hz. The Instantaneous Maximum frequency was 50.29 Hz and Minimum frequency was 49.46 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 4709 MW (hourly min) on 01.10.23.
 - Max. Voltage at 765kV Substation was recorded as 795 kV at 765KV Akola substation and Min. voltage was recorded as 747 kV at 765kV Ektuni substation.
 - Max.Voltage at MSETCL 400 kV Substation recorded as 434 kV at 400kV Kalwa and Min. voltage was recorded 370 kV at 400 kV Jejuri substations.
 - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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