

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	28499 MW (with Load shedding 0 MW)	22.02.2023	12:00 Hrs.
2	Min. Demand	19803 MW	05.02.2023	24:00 Hrs.
3	Max. Demand Catered	28499 MW	22.02.2023	12:00 Hrs.
4	Energy Catered	16137.8 MUs		
5	Max. Energy Catered	599.7 MUs	22.02.2023	
6	Avg. Energy Catered	576.30 MUs		

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

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	24855 MW (with Load shedding 0 MW)	22.02.2023	12:00 Hrs.
2	Min. Demand	17407 MW	05.02.2023	24:00 Hrs.
3	Max. Demand Catered	24855 MW	22.02.2023	11:00 Hrs.
4	Energy Catered	14191 MUs		
5	Max. Energy Catered	524.9MUs	22.02.2023	
6	Avg. Energy Catered	506.8 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3385 MW	20.02.2023	12:00 Hrs.
2	Min. Demand	1555 MW	01.02.2023	04:00 Hrs.
3	Energy Catered	1667.91 MUs		
4	Max. Energy Catered	66.24 MUs	20.02.2023	
5	Avg. Energy Catered	59.6 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 February - 2023 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	499.57 MW (with Load shedding 0 MW)	16.02.2023	18:00 Hrs.
2	Min. Demand	294.62 MW	28.02.2023	03:00 Hrs.
3	Max. Demand Catered	499.58 MW	16.02.2023	18:00 Hrs.
4	Energy Catered	278.42 MUs		
5	Max. Energy Catered	10.34 MUs	08.02.2023	
6	Avg. Energy Catered	9.9 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 237 MW and Min. load shedding was recorded as 17 MW. Load shedding was carried out on 21.02.2023 due to overdrawl.
- 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 February - 2023

- 7.212 TMC of Koyna water is utilized for February – 2023.
 - Wind Generation for the month was 261 MUs. Average wind generation was 389 MW/hour.
 - The average grid frequency for the month was 49.99 Hz. The Instantaneous Maximum frequency was 50.23 Hz and Minimum frequency was 49.80 Hz.
 - MSPGCL Thermal actual generation was as high as 7250 MW (hourly max) on 19.02.23 at 11:00 hrs.
 - MSPGCL Thermal actual generation was as low as 4962MW (hourly min) on 13.02.23 at 04:00 hrs.
 - Max. Voltage at 765kV Substation was recorded as 793 KV at 765KV Akola substation and Min. voltage was recorded as 743 kV at 765kV Ektuni substation.
 - Max.Voltage at MSETCL 400 kV Substation recorded as 440kV at 439 KV Kalwa and Min. voltage was recorded 375 kV at 400KV Lonikand-II substation.
 - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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