

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of February - 2024****Maharashtra system Overview: -**

The overview of Maharashtra system operation for the month of February- 2024 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in February - 2024 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	28969 MW (with Load shedding 0 MW)	07.02.2024	11:00 Hrs.
2	Min. Demand	20701 MW	03.02.2024	03:00 Hrs.
3	Max. Demand Catered	28969 MW	07.02.2024	11:00 Hrs.
4	Energy Catered	17169 MUs		
5	Max. Energy Catered	611 MUs	07.02.2024	
6	Avg. Energy Catered	592 MUs		

- The power supply position for **MSEDCL** in February - 2024 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	25410 MW (with Load shedding 0 MW)	07.02.2024	11:00 Hrs.
2	Min. Demand	18558 MW	03.02.2024	01:00 Hrs.
3	Max. Demand Catered	25410 MW	07.02.2024	11:00 Hrs.
4	Energy Catered	15166 MUs		
5	Max. Energy Catered	538 MUs	07.02.2024	
6	Avg. Energy Catered	523 MUs		

- The power supply position for **Mumbai system** in February - 2024 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3285 MW	29.02.2024	12:00 Hrs.
2	Min. Demand	1593 MW	02.02.2024	04:00 Hrs.
3	Energy Catered	1698 MUs		
4	Max. Energy Catered	65 MUs	29.02.2024	
5	Avg. Energy Catered	59 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 - 2024 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	529 MW	21.02.2024	18:00 Hrs.
2	Min. Demand	315 MW	05.02.2024	16:00 Hrs.
3	Energy Catered	305 MUs		
4	Max. Energy Catered	11 MUs	21.02.2024	
5	Avg. Energy Catered	11 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 216 MW on 20.02.2024 at 11:00 Hrs. due to transmission constraint in Pune and Nashik area.
- 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- 2024

- 1.848 TMC of Koyna water is utilized for February – 2024.
 - Wind Generation for the month was 263 Mus. Average wind generation was 378 MW/hour.
 - The average grid frequency for the month was 50.0 Hz. The Instantaneous Maximum frequency was 50.33 Hz and Minimum frequency was 49.58 Hz.
 - MSPGCL Thermal actual generation was as high as 8289 MW (hourly max) on 29.02.24.
 - MSPGCL Thermal actual generation was as low as 5348 MW (hourly min) on 03.02.24
 - Max. Voltage at 765kV Substation was recorded as 788 kV at 765KV Ektuni & Akola substations and Min. voltage was recorded as 746 kV at 765kV Ektuni substation.
 - Max.Voltage at MSETCL 400 kV Substation recorded as 436 kV at 400kV Kalwa and Min. voltage was recorded 373 kV at 400 kV Chakan substation.
 - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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