

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	28651 MW (with Load shedding 0 MW)	29.01.2024	11:00 Hrs.
2	Min. Demand	18473 MW	27.01.2024	03:00 Hrs.
3	Max. Demand Catered	28651 MW	29.01.2024	11:00 Hrs.
4	Energy Catered	17515 MUs		
5	Max. Energy Catered	588 MUs	30.01.2024	
6	Avg. Energy Catered	565 MUs		

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

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	25310 MW (with Load shedding 0 MW)	29.01.2024	11:00 Hrs.
2	Min. Demand	16332 MW	26.01.2024	23:00 Hrs.
3	Max. Demand Catered	25310 MW	29.01.2024	11:00 Hrs.
4	Energy Catered	15454 MUs		
5	Max. Energy Catered	521 MUs	30.01.2024	
6	Avg. Energy Catered	499 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3272 MW	12.01.2024	12:00 Hrs.
2	Min. Demand	1479 MW	24.01.2024	04:00 Hrs.
3	Energy Catered	1743 MUs		
4	Max. Energy Catered	65 MUs	12.01.2024	
5	Avg. Energy Catered	56 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 January - 2024 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	504 MW	30.01.2024	19:00 Hrs.
2	Min. Demand	310 MW	14.01.2024	03:00 Hrs.
3	Energy Catered	319 MUs		
4	Max. Energy Catered	11 MUs	29.01.2024	
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 560 MW on 17.01.2024 at 09:00 Hrs. due to low generation.
- 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 December- 2023

- 4.037 TMC of Koyna water is utilized for January – 2024.
 - Wind Generation for the month was 296 MUs. Average wind generation was 397 MW/hour.
 - The average grid frequency for the month was 49.99 Hz. The Instantaneous Maximum frequency was 50.32 Hz and Minimum frequency was 49.54 Hz.
 - MSPGCL Thermal actual generation was as high as 8036 MW (hourly max) on 30.01.24.
 - MSPGCL Thermal actual generation was as low as 4871 MW (hourly min) on 01.01.24.
 - Max. Voltage at 765kV Substation was recorded as 792 kV at 765KV Ektuni substation and Min. voltage was recorded as 747 kV at 765kV Ektuni substation.
 - Max.Voltage at MSETCL 400 kV Substation recorded as 438 kV at 400kV Kalwa and Min. voltage was recorded 377 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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