

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of January - 2022****Maharashtra system Overview: -**

The overview of Maharashtra system operation for the month of January - 2022 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in January - 2022 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	25545 MW (with Load shedding 0 MW)	31.01.2022	11:00 Hrs.
2	Min. Demand	15194 MW	27.01.2022	01:00 Hrs.
3	Max. Demand Catered	25545 MW	31.01.2022	11:00 Hrs.
4	Energy Catered	15040 MUs		
5	Max. Energy Catered	508 MUs	06.01.2022	
6	Avg. Energy Catered	485 MUs		

- The power supply position for **MSEDCL** in January - 2022 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	22732 MW (with Load shedding 0 MW)	31.01.2022	11:00 Hrs.
2	Min. Demand	13466 MW	26.01.2022	23:00 Hrs.
3	Max. Demand Catered	22732 MW	31.01.2022	11:00 Hrs.
4	Energy Catered	13336 MUs		
5	Max. Energy Catered	449 MUs	31.01.2022	
6	Avg. Energy Catered	430 MUs		

- The power supply position for **Mumbai system** in January - 2022 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	2778 MW	05.01.2022	12:00 Hrs.
2	Min. Demand	1136 MW	25.01.2022	04:00 Hrs.
3	Energy Catered	1419 MUs		
4	Max. Energy Catered	53 MUs	05.01.2022	
5	Avg. Energy Catered	46 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 - 2022 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	401 MW (with Load shedding 0 MW)	31.01.2022	19:00 Hrs.
2	Min. Demand	20 MW	01.01.2022	08:00 Hrs.
3	Max. Demand Catered	401 MW	31.01.2022	19:00 Hrs.
4	Energy Catered	285 MUs		
5	Max. Energy Catered	10 MUs	04.01.2022	
6	Avg. Energy Catered	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. 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 0 MW and Min. load shedding was recorded as 0 MW. Average load shedding quantum for the month was 0 MW.
- 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 the new load shedding circular w.e.f. 01.01.2019

vide MSEDCL letter no. CE(PP)/LM/30923 dt, 29.12.2018, 3 phase supply to AG loads will be 8/10 Hrs. w.e.f. 01.01.2019.

Other Highlights of Maharashtra System in January - 2022

- The RGPPL Power is scheduled to Railways only.
 - 3.388 TMC of Koyna water is utilized for January – 2022.
 - Wind Generation for the month was 307 MUs. Average wind generation was 413 MW/hour.
 - The average grid frequency for the month was 49.99 Hz. The Instantaneous Maximum frequency was 50.09 Hz and Minimum frequency was 49.83 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 7424 MW (hourly max) on 04.01.22 at 09:00 hrs.
 - MSPGCL Thermal actual generation was as low as 4220 MW (hourly min) on 26.01.22 at 24:00 hrs.
 - Max. Voltage at 765kV Substation was recorded as 793 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 441kV at 400KV Kalwa and Min voltage was recorded as 378 at 400KV Jejuri.
 - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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