

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of February - 2021****Maharashtra system Overview:-**

The overview of Maharashtra system operation for the month of February - 2021 with respect to availability and shortfall is elaborated as under;

- The power supply position for **STATE** in February - 2021 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	24107 MW (with Load shedding 0 MW)	25.02.2021	12:00 Hrs.
2	Min. Demand	14177 MW	19.02.2021	05:00 Hrs.
3	Max. Demand Catered	24107 MW	25.02.2021	12:00 Hrs.
4	Energy Catered	13411 MUs		
5	Max. Energy Catered	505 MUs	25.02.2021	
6	Avg. Energy Catered	479 MUs		

- The power supply position for **MSEDCL** in February- 2021 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	21476 MW (with Load shedding 0 MW)	09.02.2021	11:00 Hrs.
2	Min. Demand	12718 MW	19.02.2021	05:00 Hrs.
3	Max. Demand Catered	21476 MW	09.02.2021	11:00 Hrs.
4	Energy Catered	12026 MUs		
5	Max. Energy Catered	451 MUs	27.02.2021	
6	Avg. Energy Catered	430 MUs		

- The power supply position for **Mumbai system** in February - 2021 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	2775 MW	24.02.2021	12:00 Hrs.
2	Min. Demand	1341 MW	01.02.2021	04:00 Hrs.
3	Energy Catered	1385 MUs		
4	Max. Energy Catered	55 MUs	26.02.2021	
5	Avg. Energy Catered	50 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 February - 2021

- The RGPPL Power is scheduled to Railways only.
 - 5.08 TMC of Koyna water is utilized for February – 2021.
 - Wind Generation for the month was 289 MUs. Average wind generation was 431 MW/hour.
 - The average grid frequency for the month was 49.99 Hz. The Instantaneous Maximum frequency was 50.08 Hz and Minimum frequency was 49.84 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 7405 MW (hourly max) on 01/02/2021 at 10:00 hrs.
 - MSPGCL Thermal actual generation was as low as 4385 MW (hourly min) on 21/02/2021 at 03:00 hrs.
 - Max. Voltage at 765kV Substation was recorded as 792 at 765KV Akola substation and Min voltage was recorded as 751kV at 765kV Ektuni substation.
 - Max.Voltage at MSETCL 400 kV Substation recorded as 443kV at 400KV Kalwa and Min voltage was recorded as 381 at 400KV Lamboti.
 - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
-