

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of February - 2020****Maharashtra system Overview:-**

The overview of Maharashtra system operation for the month of February - 2020 with respect to availability and shortfall is elaborated as under;

- The power supply position for **STATE** in February - 2020 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	24550 MW (with Load shedding 0 MW)	19.02.2020	12:00 Hrs
2	Min. Demand	15073 MW	10.02.2020	03:00 Hrs
3	Max. Demand Catered	24550 MW	19.02.2020	12:00 Hrs
4	Energy Catered	13738 MUs		
5	Max. Energy Catered	500 MUs	20.02.2020	
6	Avg. Energy Catered	474 MUs		

- The power supply position for **MSEDCL** in February- 2020 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	21570 MW (with Load shedding 0 MW)	19.02.2020	12:00 Hrs
2	Min. Demand	13670 MW	10.02.2020	03:00 Hrs
3	Max. Demand Catered	21570 MW	19.02.2020	12:00 Hrs
4	Energy Catered	12207 MUs		
5	Max. Energy Catered	441 MUs	20.02.2020	
6	Avg. Energy Catered	421 MUs		

- The power supply position for **Mumbai system** in February - 2020 are given below:-

Sr.No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3034 MW	18.02.2020	12:00 Hrs
2	Min. Demand	1305 MW	01.02.2020	04:00 Hrs
3	Energy Catered	1531 MUs		
4	Max. Energy Catered	59 MUs	18.02.2020	
5	Avg. Energy Catered	53 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 - 2020

- The RGPPL Power is scheduled to Railways only.
 - 4.867 TMC of Koyna water is utilized for February – 2020.
 - Wind Generation for the month was 286 MUs. Average wind generation was 411 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 49.86 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 7352 MW (hourly max) on 19/02/2020 at 17:00 hrs.
 - MSPGCL Thermal actual generation was as low as 4556 MW (hourly min) on 11/02/2020 at 04:00 hrs.
 - Max. Voltage at 765kV Substation was recorded at 765KV Akola substation i.e 795 kV and Min voltage was recorded at 765kV Tirora substation i.e 748 kV.
 - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Kalwa i.e 440 kV and Min voltage was recorded at 400KV Jejuri i.e 378 kV.
 - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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