

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	23537 MW ( with Load shedding 0 MW)	10.12.2020	11:00 Hrs.
2	Min. Demand	14903 MW	14.12.2020	04:00 Hrs.
3	Max. Demand Catered	23537 MW	10.12.2020	11:00 Hrs.
4	Energy Catered	14132 MUs		
5	Max. Energy Catered	478 MUs	10.12.2020	
6	Avg. Energy Catered	456 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	21137 MW ( with Load shedding 0 MW )	30.12.2020	11:00 Hrs.
2	Min. Demand	13469 MW	14.12.2020	04:00 Hrs.
3	Max. Demand Catered	21137 MW	30.12.2020	11:00 Hrs.
4	Energy Catered	12638 MUs		
5	Max. Energy Catered	425 MUs	10.12.2020	
6	Avg. Energy Catered	408 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	2758 MW	01.12.2020	12:00 Hrs.
2	Min. Demand	1268 MW	30.12.2020	04:00 Hrs.
3	Energy Catered	1494 MUs		
4	Max. Energy Catered	55 MUs	01.12.2020	
5	Avg. Energy Catered	48 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 December - 2020**

- The RGPPL Power is scheduled to Railways only.
  - 5.071 TMC of Koyna water is utilized for December – 2020.
  - Wind Generation for the month was 344 MUs. Average wind generation was 462 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 7043 MW (hourly max) on 11/12/2020 at 16:00 hrs.
  - MSPGCL Thermal actual generation was as low as 4122 MW (hourly min) on 07/12/2020 at 04:00 hrs.
  - Max. Voltage at 765kV Substation was recorded as 794 at 765KV Akola substation and Min voltage was recorded as 749kV at 765kV Tirora substation.
  - Max.Voltage at MSETCL 400 kV Substation recorded as 439kV at 400KV Kalwa and Min voltage was recorded as 389 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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