

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of December - 2019****Maharashtra system Overview:-**

The overview of Maharashtra system operation for the month of December - 2019 with respect to availability and shortfall is elaborated as under;

- The power supply position for **STATE** in December - 2019 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	22403 MW (with Load shedding 0 MW)	24.12.2019	12:00 Hrs
2	Min. Demand	14021 MW	31.12.2019	24:00 Hrs
3	Max. Demand Catered	22403 MW	24.12.2019	12:00 Hrs
4	Energy Catered	13653 MUs		
5	Max. Energy Catered	460 MUs	11.12.2019	
6	Avg. Energy Catered	440 MUs		

- The power supply position for **MSEDCL** in December- 2019 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	19502 MW (with Load shedding 0 MW)	25.12.2019	12:00 Hrs
2	Min. Demand	12331 MW	31.12.2019	24:00 Hrs
3	Max. Demand Catered	19502 MW	25.12.2019	12:00 Hrs
4	Energy Catered	11931 MUs		
5	Max. Energy Catered	399 MUs	11.12.2019	
6	Avg. Energy Catered	385 MUs		

- The power supply position for **Mumbai system** in December - 2019 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3149 MW	02.12.2019	12:00 Hrs
2	Min. Demand	1473 MW	31.12.2019	05:00 Hrs
3	Energy Catered	1722 MUs		
4	Max. Energy Catered	63 MUs	05.12.2019	
5	Avg. Energy Catered	56 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 - 2019

- The RGPPL Power is scheduled to Railways only.
 - 7.893 TMC of Koyna water is utilized for December – 2019.
 - Wind Generation for the month was 306 MUs. Average wind generation was 412 MW/hour.
 - The average grid frequency for the month was 49.99 Hz. The Instantaneous Maximum frequency was 50.14 Hz and Minimum frequency was 49.82 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 7010 MW (hourly max) on 16/12/2019 at 13:00 hrs.
 - MSPGCL Thermal actual generation was as low as 4053 MW (hourly min) on 03/12/2019 at 03:00 hrs.
 - Max. Voltage at 765kV Substation was recorded at 765KV Akola substation i.e 796 kV and Min voltage was recorded at 765kV Tirora substation i.e 745 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 379 kV.
 - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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