

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	21138 MW (with Load shedding 0 MW)	15.01.2019	11:00 Hrs
2	Min. Demand	11840 MW	27.01.2019	03:00 Hrs
3	Max. Demand Catered	21138 MW	15.01.2019	11:00 Hrs
4	Energy Catered	12585 Mus		
5	Max. Energy Catered	422 Mus	16.01.2019	
6	Avg. Energy Catered	406 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	18662 MW (with Load shedding 0 MW)	15.01.2019	11:00 Hrs
2	Min. Demand	10684 MW	27.01.2019	03:00 Hrs
3	Max. Demand Catered	18662 MW	15.01.2019	11:00 Hrs
4	Energy Catered	11149 Mus		
5	Max. Energy Catered	372 Mus	16.01.2019	
6	Avg. Energy Catered	360 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	2662 MW	21.01.2019	12:00 Hrs
2	Min. Demand	1124 MW	27.01.2019	04:00 Hrs
3	Energy Catered	1436 Mus		
4	Max. Energy Catered	51 Mus	21.01.2019	
5	Avg. Energy Catered	46 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, 29.12.2019, 3 phase supply to AG loads will be 8/10 Hrs. w.e.f. 01.01.2019.

Other Highlights of Maharashtra System in January -2019

- The RGPPL Power is scheduled to Railways only.
- 2.171 TMC of Koyna water was utilized for January -2019.

- Wind Generation for the month was 239 Mus. Average wind generation was 321 MW/hour.
 - The average grid frequency for the month was 49.99 Hz. The Instantaneous Maximum frequency was 50.10 Hz and Minimum frequency was 49.81 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 7313 MW (hourly max) on 09/01/2019 at 11:00 hrs.
 - MSPGCL Thermal actual generation was as low as 4761 MW (hourly min) on 31/01/2019 at 24:00 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 743 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Kalwa i.e 443 kV and Min voltage was recorded at 400KV Jejuri i.e 384 kV
 - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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