

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of January-2018****Maharashtra system Overview:-**

The overview of Maharashtra system operation for the month of January-2018 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in January-2018 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	21514 MW (with Load shedding 0 MW)	16.01.2018	12:00 Hrs
2	Min. Demand	12799 MW	27.01.2018	02:00 Hrs
3	Max. Demand Catered	21514 MW	16.01.2018	12:00 Hrs
4	Energy Catered	12786 Mus		
5	Max. Energy Catered	438 Mus	16.01.2018	
6	Avg. Energy Catered	412.5 Mus		

- The power supply position for **MSEDCL** in January-2018 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	18651 MW (with Load shedding 0 MW)	16.01.2018	12:00 Hrs
2	Min. Demand	11293 MW	26.01.2018	24:00 Hrs
3	Max. Demand Catered	18651 MW	16.01.2018	12:00 Hrs
4	Energy Catered	11268 Mus		
5	Max. Energy Catered	383 Mus	16.01.2018	
6	Avg. Energy Catered	363.5 Mus		

- The power supply position for **Mumbai system** in January-2018 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	2863 MW	16.01.2018	12:00 Hrs
2	Min. Demand	1198 MW	08.01.2018	04:00 Hrs
3	Energy Catered	1518 Mus		
4	Max. Energy Catered	55.5 Mus	19.01.2018	
5	Avg. Energy Catered	49 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. 17.09.2017 vide MSEDCL letter no. ED-I/Ag Time Change/22352 dt, 15.09.2017, 3 phase supply to AG loads will be 10/8 Hrs. w.e.f. 17.09.2017.
 - There was no distress load shedding due to shortfall of supply during the month.
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Other Highlights of Maharashtra System in January-2018

- The RGPPL Power is scheduled to Railways only.
 - 4.151 TMC of Koyana water was utilized for January-2018.
 - Wind Generation for the month was 167.46 Mus. Average wind generation was 225 MW/hour.
 - The average grid frequency for the month was 49.97 Hz. The Instantaneous Maximum frequency was 50.07 Hz and Minimum frequency was 49.79 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 6156 MW (hourly max) on 04/01/2018 at 09:00 hrs.
 - MSPGCL Thermal actual generation was as low as 4018 MW (hourly min) on 09/01/2018 at 03:00 hrs.
 - Max. Voltage at 765KV Substation was recorded at 765KV Ektuni substation i.e 782 KV and Min voltage was recorded at 765KV Tirora substation i.e 755 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Kalwa i.e 442 kV and Min voltage was recorded at 400KV Taptitanda i.e 421 kV
 - There was no planned load shedding in Mumbai area (BEST, R-infra-D and TPC-D) during the month.
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