

Note on

Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of January-2017.

Maharashtra system Overview:-

The overview of Maharashtra system operation for the month of January-2017 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in January-2017 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	20954 MW (with Load shedding 0 MW)	31.01.2017	12:00 Hrs
2	Min. Demand	13401 MW	01.01.2017	23:00 Hrs
3	Max. Demand Catered	20954 MW	31.01.2017	12:00 Hrs
4	Energy Catered	12623 MUs		
5	Max. Energy Catered	434 MUs	31.01.2017	
6	Avg. Energy Catered	407 MUs		

- The power supply position for **MSEDCL** in January-2017 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	18283 MW (with Load shedding 0 MW)	31.01.2017	12:00 Hrs
2	Min. Demand	11498 MW	01.01.2017	23:00 Hrs
3	Max. Demand Catered	18283 MW	31.01.2017	12:00 Hrs
4	Energy Catered	11119 MUs		
5	Max. Energy Catered	381 MUs	31.01.2017	
6	Avg. Energy Catered	358 MUs		

- The power supply position for **Mumbai system** in January-2017 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	2779 MW	24.01.2017	12:00 Hrs
2	Min. Demand	1194 MW	12.01.2017	04:00 Hrs
4	Energy Catered	1504 MUs		
5	Max. Energy Catered	54.3 MUs	25.01.2017	
6	Avg. Energy Catered	48.5 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.
 - Maximum load shedding was recorded as 615 MW on 15/01/2017 at 14:00 Hrs. and Min. load shedding was recorded as 00 MW on 01/01/2017 at 12:00 Hrs. Average load shedding quantum for the month was 10.39 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 16.12.2017 vide MSEDCL letter No. EDI/12hrs Ag supply/37003 dt. 15.12.2017 ,3 Phase supply to AG Loads will be 8/10 Hrs w.e.f. 16.12.2017**
 - There was no distress load shedding due to shortfall of Power supply during the month.
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Other Highlights of Maharashtra System in January-17.

- RGPPL one block is on bar. The RGPPL Power is scheduled to Railways only.
 - 07.79 TMC of Koyna water was utilized for month of January-2017.
 - Wind Generation for the month was 172 Mus. Average wind generation was 230 MW/hour.
 - The average grid frequency for the month was 49.98 Hz. The Instantaneous Maximum frequency was 50.31 Hz and Minimum frequency was 49.70Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 6926 MW (hourly max) on 29/01/2017 at 16:00 hrs.
 - MSPGCL Thermal actual generation was as low as 4358 MW (hourly min) on 10/01/2017 at 04:00 hrs.
 - Max.Voltage at 765KV Substation was recorded at Ektuni substation i.e 799 KV and Min voltage was recorded at Tiroda substation i.e. 746 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Kalwa Substation i.e 434 kV and Min voltage was recorded at Lamboti substation i.e. 364 kV
 - There was no planned load shedding in Mumbai area (i.e. BEST, R-Infra-D, and TPC-D) during the Month.
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