

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of November-2017.****Maharashtra system Overview:-**

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	21466 MW (with Load shedding 0 MW)	09.11.2017	12:00 Hrs
2	Min. Demand	14157 MW	26.11.2017	24:00 Hrs
3	Max. Demand Catered	21466 MW	09.11.2017	12:00 Hrs
4	Energy Catered	12777 Mus		
5	Max. Energy Catered	445 Mus	08.11.2017	
6	Avg. Energy Catered	426 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	18401 MW (with Load shedding 0 MW)	09.11.2017	12:00 Hrs
2	Min. Demand	12112 MW	05.11.2017	24:00 Hrs
3	Max. Demand Catered	18401 MW	09.11.2017	12:00 Hrs
4	Energy Catered	11092 Mus		
5	Max. Energy Catered	383 Mus	08.11.2017	
6	Avg. Energy Catered	370 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3088 MW	08.11.2017	12:00 Hrs
2	Min. Demand	1529 MW	17.11.2017	04:00 Hrs
4	Energy Catered	1685 Mus		
5	Max. Energy Catered	62 Mus	07.11.2017	
6	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 46 MW and Min. load shedding was recorded as 0 MW. Average load shedding quantum for the month was 0.74 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 8/8 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 november -17.

- The RGPPL Power is scheduled to Railways only.
 - 4.433 TMC of Koyna water was utilized for November -2017.
 - Wind Generation for the month was 197 Mus. Average wind generation was 273 MW/hour.
 - The average grid frequency for the month was 49.96 Hz. The Instantaneous Maximum frequency was 50.25 Hz and Minimum frequency was 49.61 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 5776 MW (hourly max) on 01/11/2017 at 07:00 hrs.
 - MSPGCL Thermal actual generation was as low as 3932 MW (hourly min) on 30/01/2017 at 01:00 hrs.
 - Max. Voltage at 765KV Substation was recorded at 765KV Ektuni substation i.e 792 KV and Min voltage was recorded at 765KV Tirora substation i.e 739 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Akola i.e 438 kV and Min voltage was recorded at 400KV Lamboti i.e 383 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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