

Note on

Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of December-2016.

Maharashtra system Overview:-

The overview of Maharashtra system operation for the month of December-2016 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in December-2016 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	20366 MW (with Load shedding 0 MW)	05.12.2016	10:00 Hrs
2	Min. Demand	13074 MW	25.12.2016	24:00 Hrs
3	Max. Demand Catered	20366 MW	05.12.2016	10:00 Hrs
4	Energy Catered	12688 MUs		
5	Max. Energy Catered	428.8 MUs	05.12.2016	
6	Avg. Energy Catered	409 MUs		

- The power supply position for **MSEDCL** in December-2016 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	17764 MW (with Load shedding 0 MW)	05.12.2016	10:00 Hrs
2	Min. Demand	11250 MW	25.12.2016	23:00 Hrs
3	Max. Demand Catered	17764 MW	05.12.2016	10:00 Hrs
4	Energy Catered	11091 MUs		
5	Max. Energy Catered	371.6 MUs	05.12.2016	
6	Avg. Energy Catered	357.8 MUs		

- The power supply position for **Mumbai system** in December-2016 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	2955 MW	05.12.2016	12:00 Hrs
2	Min. Demand	1379 MW	04.12.2016	04:00 Hrs
4	Energy Catered	1597 MUs		
5	Max. Energy Catered	57.2 MUs	05.12.2016	
6	Avg. Energy Catered	51.5 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 447 MW on 29/12/2016 at 13:00 Hrs. and Min. load shedding was recorded as 00 MW on 01/12/2016 at 05:00 Hrs. Average load shedding quantum for the month was 8.63 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 16.12.2016 vide MSEDCL letter No. EDI/12hrs Ag supply/37003 dt. 15.12.2016 ,3 Phase supply to AG Loads will be 8/10 Hrs w.e.f. 16.12.2016**
- There was no distress load shedding due to shortfall of Power supply during the month.

Other Highlights of Maharashtra System in December-16.

- RGPPL one block is on bar. The RGPPL Power is scheduled to Railways only.
 - 10.71 TMC of Koyna water was utilized for month of December-2016.
 - Wind Generation for the month was 237 Mus. Average wind generation was 318 MW/hour.
 - The average grid frequency for the month was 49.96 Hz. The Instantaneous Maximum frequency was 50.29Hz and Minimum frequency was 49.7Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 7079 MW (hourly max) on 12/12/2016 at 14:00 hrs.
 - MSPGCL Thermal actual generation was as low as 4202 MW (hourly min) on 06/12/2016 at 24:00 hrs.
 - Max.Voltage at 765KV Substation was recorded at Akola substation i.e 792 KV and Min voltage was recorded at Koradi-III substation i.e. 738 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Kolhapur Substation i.e 435 kV and Min voltage was recorded at Nanded substation i.e. 367 kV
 - There was no planned load shedding in Mumbai area (i.e. BEST, R-Infra-D, and TPC-D) during the Month.
-