

Note on

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

Maharashtra system Overview:-

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	20951MW (with Load shedding 0MW)	26.10.2016	19:00 Hrs
2	Min. Demand	11820 MW	12.10.2016	03:00 Hrs
3	Max. Demand Catered	20951 MW	26.10.2016	19:00 Hrs
4	Energy Catered	12147.108 MUs		
5	Max. Energy Catered	443.837 MUs	24.10.2016	
6	Avg. Energy Catered	391.8 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	18013MW (with Load shedding 0MW)	27.10.2016	19:00 Hrs
2	Min. Demand	9973 MW	12.10.2016	03:00 Hrs
3	Max. Demand Catered	18013 MW	27.10.2016	19:00 Hrs
4	Energy Catered	10359 MUs		
5	Max. Energy Catered	384.1 MUs	26.10.2016	
6	Avg. Energy Catered	334.2 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3249 MW	18.10.2016	12:00 Hrs
2	Min. Demand	1546 MW	03.10.2016	04:00 Hrs
4	Energy Catered	1788.19 MUs		
5	Max. Energy Catered	64.0 MUs	18.10.2016	
6	Avg. Energy Catered	57.7 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 4 MW on 27/10/2016 at 13:00 Hrs. and Min. load shedding was recorded as 00 MW on 01/10/2016 at 01:00 Hrs. Average load shedding quantum for the month was 0.021 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 08.09.2016 vide MSEDCL letter No. EDI/27651 dt.07.09.2016 to provide 12 Hrs 3 Phase supply to AG Loads ,extended upto 15.11.2016 or till further instruction.**
 - There was no distress load shedding due to shortfall of supply during the month.
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Other Highlights of Maharashtra System in October-16.

- RGPPL one block is on bar. The RGPPL Power is scheduled to Railways only.
 - 4.82 TMC of Koyna water was utilized for October-2016.
 - Wind Generation for the month was 232.8 Mus. Average wind generation was 312 MW/hour.
 - The average grid frequency for the month was 49.97 Hz. The Instantaneous Maximum frequency was 50.23Hz and Minimum frequency was 49.73Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 6595MW (hourly max) on 20/10/2016 at 20:00 hrs.
 - MSPGCL Thermal actual generation was as low as 3028MW (hourly min) on 01/10/2016 at 04:00 hrs.
 - Max. Voltage at 765KV Substation was recorded at Akola substation i.e 790 KV and Min voltage was recorded at Akola substation i.e 736 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Nanded Substation i.e 439 kV and Min voltage was recorded at Lamboti substation i.e 379 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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