

Note on**Maharashtra Power System Overview, Under frequency operation, Load shedding (Planned and Distress) for the month of Oct.-2015.****Maharashtra system Overview:**

The overview of Maharashtra system operation for the month of Oct.-2015 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in Oct.-2015 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	21414 MW (with Load shedding 350 MW)	19.10.2015	12:00 Hrs
2	Min. Demand	14229 MW	03.10.2015	04:00 Hrs
3	Max . Demand Catered	21064 MW	19.10.2015	12:00 Hrs
4	Energy Catered in Oct-2015	13345.702 Mus		
5	Max. Energy Catered	462 Mus	20.10.2015	
6	Avg. Energy Catered	430.5 Mus		

- The power supply position for **MSEDCL** in Oct.-15 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	18054 MW (with Load shedding 334 MW)	21.10.2015	12:00 Hrs
2	Min. Demand	12253 MW	03.10.2015	04:00 Hrs
3	Max . Demand Catered	17720 MW	21.10.2015	12:00 Hrs
4	Energy Catered	11340 Mus		
5	Max. Energy Catered	392.9 Mus	20.10.2015	
6	Avg. Energy Catered	365.8 Mus		

- The power supply position for **Mumbai system** in Oct.-15 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3416 MW	08.10.2015	16:00 Hrs
2	Min. Demand	1808 MW	05.10.2015	05:00 Hrs
4	Energy Catered	2005.3 Mus		
5	Max. Energy Catered	69.7 Mus	15.10.2015	
6	Avg. Energy Catered	64.7 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.
 - Max. load shedding was recorded as 757 MW on 01/10/2015 at 13:00 Hrs. and Min. load shedding was recorded as 15 MW on 14/10/2015 at 01:00 Hrs. Average load shedding quantum for the month was 208.31 MW.
 - Planned load shedding for load relief is carried out in MSEDCL area to mitigate the availability in real time if required.. In addition, AG-LM load management scheme was in force for defined hours, as per the load shedding circular.
 - There was no distress load shedding due to shortfall of supply during the month.
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Other Highlights of Maharashtra System in Oct.-15.

- RGPPL generation was NIL in Oct-15. RGPPL generation (Total:-1967MW & MSEDCL share:- 1888 MW) is under shutdown due to gas shortage w.e.f. 29/12/2013.
 - 6.7 TMC of Koyna water was utilized for Oct. 2015.
 - Wind Generation for the month was 128 Mus. Average wind generation was 171 MW/hour.
 - The average grid frequency for the month was 49.96 Hz. The Instantaneous Maximum frequency was 50.30Hz. and Minimum frequency was 49.60 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal availability was as high as 6441 MW (hourly max) on 31/10/2015 at 14:00 hrs.
 - MSPGCL Thermal availability was as low as 3965 MW (hourly min) on 05/10/2015 at 02:00 hrs.
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Karad S/s (435 kV) and Min voltage was recorded at Lamboti S/s (366 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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