

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of August-2016.****Maharashtra system Overview:-**

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	19105 MW (with Load shedding 0 MW)	30.08.2016	11:00 Hrs
2	Min. Demand	11597 MW	06.08.2016	04:00 Hrs
3	Max. Demand Catered	19105 MW	30.08.2016	11:00 Hrs
4	Energy Catered	11402 MUs		
5	Max. Energy Catered	413.9 MUs	30.08.2016	
6	Avg. Energy Catered	367 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	16063 MW (with Load shedding 2 MW)	27.08.2016	12:00 Hrs
2	Min. Demand	9660 MW	15.08.2016	18:00 Hrs
3	Max. Demand Catered	16061 MW	27.08.2016	12:00 Hrs
4	Energy Catered	9643.7 MUs		
5	Max. Energy Catered	353.9 MUs	30.08.2016	
6	Avg. Energy Catered	311.1 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3164 MW	19.08.2016	12:00 Hrs
2	Min. Demand	1528 MW	01.08.2016	04:00 Hrs
4	Energy Catered	1758 MUs		
5	Max. Energy Catered	60.6 MUs	22.08.2016	
6	Avg. Energy Catered	56.7 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 254 MW on 23/08/2016 at 09:00 Hrs. and Min. load shedding was recorded as 01 MW on 27/08/2016 at 07:00 Hrs. Average load shedding quantum for the month was 1.48 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.

Other Highlights of Maharashtra System in August-16.

- RGPPL one block is on bar. The RGPPL Power is scheduled to Railways only.
 - 4.24 TMC of Koyna water was utilized for August-2016.
 - Wind Generation for the month was 1130 Mus. Average wind generation was 1518 MW/hour.
 - The average grid frequency for the month was 49.98Hz. The Instantaneous Maximum frequency was 50.33Hz and Minimum frequency was 49.64Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 5797 MW (hourly max) on 27/08/2016 at 11:00 hrs.
 - MSPGCL Thermal actual generation was as low as 2252 MW (hourly min) on 03/08/2016 at 02:00 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 734 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Koradi -II Substation i.e 440 kV and Min voltage was recorded at Lamboti substation i.e 381 kV
 - There was no planned load shedding in Mumbai area (i.e. BEST, R-Infra-D, and TPC-D) during the Month.
-