

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	21073 MW ( with Load shedding 0 MW)	01.06.2017	12:00 Hrs
2	Min. Demand	13885 MW	28.06.2017	03:00 Hrs
3	Max . Demand Catered	21073 MW	01.06.2017	12:00 Hrs
4	Energy Catered	12159 Mus		
5	Max. Energy Catered	460 Mus	01.06.2017	
6	Avg. Energy Catered	405 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	17646 MW ( with Load shedding 0 MW)	01.06.2017	12:00 Hrs
2	Min. Demand	12011 MW	28.06.2017	03:00 Hrs
3	Max . Demand Catered	17646 MW	01.06.2017	12:00 Hrs
4	Energy Catered	10235 Mus		
5	Max. Energy Catered	388 Mus	01.06.2017	
6	Avg. Energy Catered	341 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3592 MW	01.06.2017	16:00 Hrs
2	Min. Demand	1738 MW	29.06.2017	05:00 Hrs
4	Energy Catered	3592 Mus		
5	Max. Energy Catered	71.9 Mus	01.06.2017	
6	Avg. Energy Catered	64.2 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.
- 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 load shedding circular w.e.f. 16.12.2017 vide MSEDCL letter no. EDI/12hrs.Ag supply/37003 dt, 15.12.2017m 3 phase supply to AG loads will be 8/10 Hrs. w.e.f. 16.12.2017.
- There was no distress load shedding due to shortfall of supply during the month.

### **Other Highlights of Maharashtra System in June-17.**

- The RGPPL Power is scheduled to Railways only.
  - 2.0 TMC of Koyna water was utilized for June-2017.
  - Wind Generation for the month was 898 Mus. Average wind generation was 1248 MW/hour.
  - The average grid frequency for the month was 49.98 Hz. The Instantaneous Maximum frequency was 50.30Hz. and Minimum frequency was 49.69 Hz.
  - There was no instance of under frequency operation during the month.
  - MSPGCL Thermal actual generation was as high as 7115 MW (hourly max) on 06/06/2017 at 14:00 hrs.
  - MSPGCL Thermal actual generation was as low as 3460 MW (hourly min) on 30/06/2017 at 17:00 hrs.
  - Max. Voltage at 765KV Substation was recorded at 765KV Ektuni substation i.e 792 KV and Min voltage was recorded at 765KV Ektuni substation i.e 746 KV
  - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Lamboti.e 436 kV and Min voltage was recorded at 400KV Jejuri i.e 383 kV
  - There was no planned load shedding in Mumbai are ( i.e. BEST, R-infra-D and TPC-D ) during the month.
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