

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

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

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

Sr. No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	20451 MW (with Load shedding 0 MW)	30.05.2016	16:00 Hrs
2	Min. Demand	14493 MW	01.05.2016	19:00 Hrs
3	Max. Demand Catered	20451 MW	31.05.2016	16:00 Hrs
4	Energy Catered	13223 MUs		
5	Max. Energy Catered	450 MUs	18.05.2016	
6	Avg. Energy Catered	426 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	17166 MW (with Load shedding 0MW)	04.05.2016	11:00 Hrs
2	Min. Demand	12360 MW	01.05.2016	19:00 Hrs
3	Max . Demand Catered	17166 MW	04.05.2016	11:00 Hrs
4	Energy Catered	11195 Mus		
5	Max. Energy Catered	380 Mus	18.05.2016	
6	Avg. Energy Catered	361 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3552 MW	31.05.2016	16:00 Hrs
2	Min. Demand	1913 MW	01.05.2016	08:00 Hrs
4	Energy Catered	2027 Mus		
5	Max. Energy Catered	71.3 Mus	31.05.2016	
6	Avg. Energy Catered	65.4 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 864 MW on 31/05/2016 at 18:00 Hrs. and Min. load shedding was recorded as 2 MW on 06/05/2016 at 09:00 Hrs. Average load shedding quantum for the month was 22.72 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 May-16.

- RGPPL one block is on bar. The RGPPL Power is scheduled to Railways only.
 - 5.58 TMC of Koyna water was utilized for May-2016.
 - Wind Generation for the month was 712 Mus. Average wind generation was 957 MW/hour.
 - The average grid frequency for the month was 49.97 Hz. The Instantaneous Maximum frequency was 50.34Hz. and Minimum frequency was 49.54 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 6540 MW (hourly max) on 17/05/2016 at 13:00 hrs.
 - MSPGCL Thermal actual generation was as low as 3935 MW (hourly min) on 01/05/2016 at 21:00 hrs.
 - **MSPGCL decommissioned Chandrapur Unit 1,2 (210MW each) w.e.f. 01.04.2016 and Parli Unit 3 (210MW) w.e.f 10.05.2016**
 - Max. Voltage at 765KV Substation was recorded at Akola substation i.e 790 KV and Min voltage was recorded at Akola substation i.e 735 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Koradi -II s/s i.e 438 kV and Min voltage was recorded at Jejuri s/s i.e 380 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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