

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	22345 MW (with Load shedding 967 MW)	06.05.2017	16:00 Hrs
2	Min. Demand	16297 MW	07.05.2017	19:00 Hrs
3	Max. Demand Catered	22306 MW	24.05.2017	16:00 Hrs
4	Energy Catered	14579 MUs		
5	Max. Energy Catered	491 MUs	24.05.2017	
6	Avg. Energy Catered	470 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	18885 MW (with Load shedding 0 MW)	22.05.2017	15:00 Hrs
2	Min. Demand	14060 MW	07.05.2017	19:00 Hrs
3	Max. Demand Catered	18885 MW	22.05.2017	15:00 Hrs
4	Energy Catered	12539 MUs		
5	Max. Energy Catered	420 MUs	24.05.2017	
6	Avg. Energy Catered	404 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3561 MW	31.05.2017	16:00 Hrs
2	Min. Demand	1938 MW	01.05.2017	07:00 Hrs
3	Max. Demand Catered	3561 MW	31.05.2017	16:00 Hrs
4	Energy Catered	2040 MUs		
5	Max. Energy Catered	72 MUs	31.05.2017	
6	Avg. Energy Catered	65 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 1115 MW on 06/05/2017 at 12:00 Hrs. and Min. load shedding was recorded as 00 MW on 07/05/2017 at 01:00 Hrs. Average load shedding quantum for the month was 39.61 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 16.12.2017 vide MSEDCL letter No. EDI/12hrs Ag supply/37003 dt. 15.12.2017, 3 Phase supply to AG Loads will be 8/10 Hrs w.e.f. 16.12.2017
 - The PLR group of load shedding is implemented due to Overdrawal and less generation availability in real time during this month.
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Other Highlights of Maharashtra System in May-17.

- The RGPPL Power is scheduled to Railways only.
 - 1.99 TMC of Koyna water was utilized for month of May-2017.
 - Wind Generation for the month was 628 Mus. Average wind generation was 844 MW/hour.
 - The average grid frequency for the month was 49.96 Hz. The Instantaneous Maximum frequency was 50.33 Hz and Minimum frequency was 49.62 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 7376 MW (hourly max) on 10/05/2017 at 16:00 hrs.
 - MSPGCL Thermal actual generation was as low as 5201 MW (hourly min) on 28/05/2017 at 05:00 hrs.
 - Max.Voltage at 765KV Substation was recorded at Ektuni substation i.e 792 KV and Min voltage was recorded at Tiroda substation i.e. 749 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Akola-II Substation i.e 433 kV and Min voltage was recorded at Jejuri substation i.e. 374 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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