

Note on

Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of April-2017.

Maharashtra system Overview:-

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	22994 MW (with Load shedding 0 MW)	11.04.2017	16:00 Hrs
2	Min. Demand	17024 MW	30.04.2017	19:00 Hrs
3	Max. Demand Catered	22994 MW	11.04.2017	16:00 Hrs
4	Energy Catered	14566 MUs		
5	Max. Energy Catered	501.8 MUs	11.04.2017	
6	Avg. Energy Catered	485 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	19688 MW (with Load shedding 347 MW)	05.04.2017	12:00 Hrs
2	Min. Demand	14821 MW	30.04.2017	21:00 Hrs
3	Max. Demand Catered	19341 MW	05.04.2017	12:00 Hrs
4	Energy Catered	12666.7 MUs		
5	Max. Energy Catered	433.5 MUs	11.04.2017	
6	Avg. Energy Catered	422 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3471 MW	12.04.2017	16:00 Hrs
2	Min. Demand	1833 MW	08.04.2017	05:00 Hrs
3	Max. Demand Catered	3471 MW	12.04.2017	16:00 Hrs
4	Energy Catered	1899 MUs		
5	Max. Energy Catered	69.1 MUs	12.04.2017	
6	Avg. Energy Catered	63.3 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 740 MW on 29/04/2017 at 13:00 Hrs. and Min. load shedding was recorded as 00 MW on 01/04/2017 at 01:00 Hrs. Average load shedding quantum for the month was 25 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 April-17.

- RGPPL one block is on bar. The RGPPL Power is scheduled to Railways only.
 - 9.6 TMC of Koyna water was utilized for month of April-2017.
 - Wind Generation for the month was 440 Mus. Average wind generation was 610 MW/hour.
 - The average grid frequency for the month was 49.98 Hz. The Instantaneous Maximum frequency was 50.22 Hz and Minimum frequency was 49.62Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 7789 MW (hourly max) on 14/04/2017 at 14:00 hrs.
 - MSPGCL Thermal actual generation was as low as 4914 MW (hourly min) on 20/04/2017 at 18:00 hrs.
 - Max.Voltage at 765KV Substation was recorded at Ektuni substation i.e 796 KV and Min voltage was recorded at Ektuni substation i.e. 750 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Bhusawal Substation i.e 430 kV and Min voltage was recorded at Lamboti substation i.e. 355 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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