

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of April-2018.****Maharashtra system Overview:-**

The overview of Maharashtra system operation for the month of April-2018 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in April-2018 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	23717 MW (with Load shedding 0 MW)	23.04.2018	17:00 Hrs
2	Min. Demand	17373 MW	08.04.2018	22:00 Hrs
3	Max. Demand Catered	23717 MW	23.04.2018	17:00 Hrs
4	Energy Catered	14709 Mus		
5	Max. Energy Catered	512 Mus	23.04.2018	
6	Avg. Energy Catered	490 Mus		

- The power supply position for **MSEDCL** in April-2018 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	20340 MW (with Load shedding 0 MW)	23.04.2018	17:00 Hrs
2	Min. Demand	14725 MW	17.04.2018	19:00 Hrs
3	Max. Demand Catered	20340 MW	23.04.2018	17:00 Hrs
4	Energy Catered	12758 Mus		
5	Max. Energy Catered	443 Mus	23.04.2018	
6	Avg. Energy Catered	425 Mus		

- The power supply position for **Mumbai system** in April-2018 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3599 MW	18.04.2018	16:00 Hrs
2	Min. Demand	1896 MW	02.04.2018	05:00 Hrs
4	Energy Catered	1951 Mus		
5	Max. Energy Catered	72 Mus	18.04.2018	
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 and addendum. 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 60 MW and Min. load shedding was recorded as 0 MW. Average load shedding quantum for the month was 0.26 MW/Hr.
 - 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. 17.09.2017 vide MSEDCL letter no. ED-I/Ag Time Change/22352 dt, 15.09.2017, 3 phase supply to AG loads will be 8/8 Hrs. w.e.f. 17.09.2017.
 - There was no distress load shedding due to shortfall of supply during the month.
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Other Highlights of Maharashtra System in April-2018.

- The RGPPL Power is scheduled to Railways only.
 - 9.552 TMC of Koyna water was utilized for April-2018.
 - Wind Generation for the month was 403 Mus. Average wind generation was 560 MW/hour.
 - The average grid frequency for the month was 49.96 Hz. The Instantaneous Maximum frequency was 50.19 Hz and Minimum frequency was 49.61 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 6611 MW (hourly max) on 21/04/2018 at 16:00 hrs.
 - MSPGCL Thermal actual generation was as low as 4788 MW (hourly min) on 07/04/2018 at 23:00 hrs.
 - Max. Voltage at 765KV Substation was recorded at 765KV Ektuni substation i.e 789 KV and Min voltage was recorded at 765KV Tiroda substation i.e 750 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Kalwa i.e 433 kV and Min voltage was recorded at 400KV Jejuri 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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