

**Note on****Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of April - 2019****Maharashtra system Overview:-**

The overview of Maharashtra system operation for the month of April - 2019 with respect to availability and shortfall is elaborated as under;

- The power supply position for **STATE** in April - 2019 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	23150 MW ( with Load shedding 0 MW)	30.04.2019	15:00 Hrs
2	Min. Demand	17737 MW	05.04.2019	04:00 Hrs
3	Max. Demand Catered	23150 MW	30.04.2019	15:00 Hrs
4	Energy Catered	14722 MUs		
5	Max. Energy Catered	513 MUs	27.04.2019	
6	Avg. Energy Catered	491 MUs		

- The power supply position for **MSEDCL** in April - 2019 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	19744 MW ( with Load shedding 0 MW )	30.04.2019	15:00 Hrs
2	Min. Demand	15085 MW	13.04.2019	21:00 Hrs
3	Max. Demand Catered	19744 MW	30.04.2019	15:00 Hrs
4	Energy Catered	12802 MUs		
5	Max. Energy Catered	447 MUs	27.04.2019	
6	Avg. Energy Catered	427 MUs		

- The power supply position for **Mumbai system** in April - 2019 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3509 MW	26.04.2019	16:00 Hrs
2	Min. Demand	1875 MW	02.04.2019	05:00 Hrs
3	Energy Catered	1921 MUs		
4	Max. Energy Catered	71 MUs	26.04.2019	
5	Avg. Energy Catered	64 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 12 MW and Min. load shedding was recorded as 0 MW. Average load shedding quantum for the month was 0.33 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. 01.01.2019 vide MSEDCL letter no. CE(PP)/LM/30923 dt, 29.12.2018, 3 phase supply to AG loads will be 8/10 Hrs. w.e.f. 01.01.2019.

#### **Other Highlights of Maharashtra System in April - 2019**

- The RGPPL Power is scheduled to Railways only.
- 11.778 TMC of Koyna water was utilized for April – 2019.

- Wind Generation for the month was 525 MUs. Average wind generation was 730 MW/hour.
  - The average grid frequency for the month was 49.99 Hz. The Instantaneous Maximum frequency was 50.21 Hz and Minimum frequency was 49.00 Hz.
  - There was no instance of under frequency operation during the month.
  - MSPGCL Thermal actual generation was as high as 6994 MW (hourly max) on 14/04/2019 at 07:00 hrs.
  - MSPGCL Thermal actual generation was as low as 5050 MW (hourly min) on 12/04/2019 at 18:00 hrs.
  - Max. Voltage at 765kV Substation was recorded at 765KV Ektuni and Akola substations i.e 784 kV and Min voltage was recorded at 765kV Tirora substation i.e 742 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 379 kV
  - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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