

**Note on****Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of May - 2020****Maharashtra system Overview:-**

The overview of Maharashtra system operation for the month of May - 2020 with respect to availability and shortfall is elaborated as under;

- The power supply position for **STATE** in May - 2020 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	21463 MW ( with Load shedding 0 MW )	29.05.2020	16:00 Hrs
2	Min. Demand	14139 MW	10.05.2020	21:00 Hrs
3	Max. Demand Catered	21463 MW	29.05.2020	16:00 Hrs
4	Energy Catered	13293 MUs		
5	Max. Energy Catered	463 MUs	29.05.2020	
6	Avg. Energy Catered	429 MUs		

- The power supply position for **MSEDCL** in May- 2020 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	19095 MW ( with Load shedding 0 MW )	29.05.2020	16:00 Hrs
2	Min. Demand	12017 MW	10.05.2020	21:00 Hrs
3	Max. Demand Catered	19095 MW	29.05.2020	16:00 Hrs
4	Energy Catered	11735 MUs		
5	Max. Energy Catered	411 MUs	26.05.2020	
6	Avg. Energy Catered	379 MUs		

- The power supply position for **Mumbai system** in May - 2020 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	2624 MW	30.05.2020	24:00 Hrs
2	Min. Demand	1825 MW	10.05.2020	09:00 Hrs
3	Energy Catered	1558 MUs		
4	Max. Energy Catered	53 MUs	30.05.2020	
5	Avg. Energy Catered	50 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 0 MW and Min. load shedding was recorded as 0 MW. Average load shedding quantum for the month was 0 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 May - 2020**

- The RGPPL Power is scheduled to Railways only.
  - 9.019 TMC of Koyna water is utilized for May – 2020.
  - Wind Generation for the month was 687 MUs. Average wind generation was 924 MW/hour.
  - The average grid frequency for the month was 50 Hz. The Instantaneous Maximum frequency was 50.13 Hz and Minimum frequency was 49.86 Hz.
  - There was no instance of under frequency operation during the month.
  - MSPGCL Thermal actual generation was as high as 6258 MW (hourly max) on 29/05/2020 at 07:00 hrs.
  - MSPGCL Thermal actual generation was as low as 2184 MW (hourly min) on 03/05/2020 at 12:00 hrs.
  - Max. Voltage at 765kV Substation was recorded at 765KV Akola substation i.e 797 kV and Min voltage was recorded at 765kV Tirora substation i.e 741 kV.
  - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Dhule i.e 440 kV and Min voltage was recorded at 400KV Lamboti i.e 375 kV.
  - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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