

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	21031 MW ( with Load shedding 0 MW)	21.02.2019	12:00 Hrs
2	Min. Demand	13292 MW	10.02.2019	03:00 Hrs
3	Max. Demand Catered	21031 MW	21.02.2019	12:00 Hrs
4	Energy Catered	<b>11727</b> Mus		
5	Max. Energy Catered	444 Mus	22.02.2019	
6	Avg. Energy Catered	419 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	18253 MW ( with Load shedding 0 MW )	19.02.2019	12:00 Hrs
2	Min. Demand	12104 MW	10.02.2019	03:00 Hrs
3	Max. Demand Catered	18253 MW	19.02.2019	12:00 Hrs
4	Energy Catered	10357 Mus		
5	Max. Energy Catered	390 Mus	23.02.2019	
6	Avg. Energy Catered	370 Mus		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	2828 MW	26.02.2019	12:00 Hrs
2	Min. Demand	1150 MW	09.02.2019	04:00 Hrs
3	Energy Catered	1370 Mus		
4	Max. Energy Catered	54 Mus	26.02.2019	
5	Avg. Energy Catered	49 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, 29.12.2019, 3 phase supply to AG loads will be 8/10 Hrs. w.e.f. 01.01.2019.

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

- The RGPPL Power is scheduled to Railways only.
- 2.609 TMC of Koyna water was utilized for February -2019.

- Wind Generation for the month was 285 Mus. Average wind generation was 423 MW/hour.
  - The average grid frequency for the month was 49.99 Hz. The Instantaneous Maximum frequency was 50.12 Hz and Minimum frequency was 49.82 Hz.
  - There was no instance of under frequency operation during the month.
  - MSPGCL Thermal actual generation was as high as 6708 MW (hourly max) on 15/02/2019 at 10:00 hrs.
  - MSPGCL Thermal actual generation was as low as 4636 MW (hourly min) on 01/02/2019 at 02:00 hrs.
  - Max. Voltage at 765KV Substation was recorded at 765KV Akola substation i.e 798 KV and Min voltage was recorded at 765KV Tirora substation i.e 744 KV
  - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Kalwa i.e 442 kV and Min voltage was recorded at 400KV Jejuri i.e 388 kV
  - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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