

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

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

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

| Sr No. | Particulars | Recorded Demand/Requirement | Date | Time |
|--------|---------------------|--|------------|-----------|
| 1 | Max. Demand | 22001 MW (with Load shedding 0 MW) | 06.12.2018 | 11:00 Hrs |
| 2 | Min. Demand | 12651 MW | 30.12.2018 | 24:00 Hrs |
| 3 | Max. Demand Catered | 22001 MW | 06.12.2018 | 11:00 Hrs |
| 4 | Energy Catered | 12902 Mus | | |
| 5 | Max. Energy Catered | 446 Mus | 06.12.2018 | |
| 6 | Avg. Energy Catered | 416 Mus | | |

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

| Sr No. | Particulars | Recorded Demand/Requirement | Date | Time |
|--------|---------------------|---|------------|-----------|
| 1 | Max. Demand | 19116 MW (with Load shedding 0 MW) | 06.12.2018 | 11:00 Hrs |
| 2 | Min. Demand | 11096 MW | 30.12.2018 | 24:00 Hrs |
| 3 | Max. Demand Catered | 19116 MW | 06.12.2018 | 11:00 Hrs |
| 4 | Energy Catered | 11367 Mus | | |
| 5 | Max. Energy Catered | 390 Mus | 06.12.2018 | |
| 6 | Avg. Energy Catered | 367 Mus | | |

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

| Sr No. | Particulars | Recorded Demand/Requirement | Date | Time |
|--------|---------------------|-----------------------------|------------|-----------|
| 1 | Max. Demand | 2970MW | 05.12.2018 | 12:00 Hrs |
| 2 | Min. Demand | 1208 MW | 31.12.2018 | 04:00 Hrs |
| 3 | Energy Catered | 1535 Mus | | |
| 4 | Max. Energy Catered | 58 Mus | 05.12.2018 | |
| 5 | Avg. Energy Catered | 57 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 December-2018

- The RGPPL Power is scheduled to Railways only.
- 1.641 TMC of Koyna water was utilized for December-2018.
- Wind Generation for the month was 305 Mus. Average wind generation was 410 MW/hour.

- The average grid frequency for the month was 49.97 Hz. The Instantaneous Maximum frequency was 50.08 Hz and Minimum frequency was 49.01 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 6798 MW (hourly max) on 01/12/2018 at 12:00 hrs.
 - MSPGCL Thermal actual generation was as low as 4537 MW (hourly min) on 18/12/2018 at 24:00 hrs.
 - Max. Voltage at 765KV Substation was recorded at 765KV Akola and Ektuni substation i.e 793 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 Chakan i.e 390 kV
 - There was no planned load shedding in Mumbai area (BEST, R-infra-D and TPC-D) during the month.
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