

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

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

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

| Sr No. | Particulars | Recorded Demand/Requirement | Date | Time |
|--------|---------------------|--|------------|------------|
| 1 | Max. Demand | 22751 MW (with Load shedding 0 MW) | 19.11.2020 | 12:00 Hrs. |
| 2 | Min. Demand | 13859 MW | 15.11.2020 | 04:00 Hrs. |
| 3 | Max. Demand Catered | 22751 MW | 19.11.2020 | 12:00 Hrs. |
| 4 | Energy Catered | 13129 MUs | | |
| 5 | Max. Energy Catered | 467 MUs | 19.11.2020 | |
| 6 | Avg. Energy Catered | 438 MUs | | |

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

| Sr No. | Particulars | Recorded Demand/Requirement | Date | Time |
|--------|---------------------|---|------------|------------|
| 1 | Max. Demand | 20043 MW (with Load shedding 0 MW) | 26.11.2020 | 11:00 Hrs. |
| 2 | Min. Demand | 11945 MW | 14.11.2020 | 24:00 Hrs. |
| 3 | Max. Demand Catered | 20043 MW | 26.11.2020 | 11:00 Hrs. |
| 4 | Energy Catered | 11584 MUs | | |
| 5 | Max. Energy Catered | 412 MUs | 19.11.2020 | |
| 6 | Avg. Energy Catered | 386 MUs | | |

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

| Sr No. | Particulars | Recorded Demand/Requirement | Date | Time |
|--------|---------------------|-----------------------------|------------|------------|
| 1 | Max. Demand | 2746 MW | 19.11.2020 | 12:00 Hrs. |
| 2 | Min. Demand | 1526 MW | 13.11.2020 | 05:00 Hrs. |
| 3 | Energy Catered | 1545 MUs | | |
| 4 | Max. Energy Catered | 56 MUs | 03.11.2020 | |
| 5 | Avg. Energy Catered | 52 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 November - 2020

- The RGPPL Power is scheduled to Railways only.
 - 4.026 TMC of Koyna water is utilized for November – 2020.
 - Wind Generation for the month was 382 MUs. Average wind generation was 382 MW/hour.
 - The average grid frequency for the month was 49.99 Hz. The Instantaneous Maximum frequency was 50.08 Hz and Minimum frequency was 49.84 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 6520 MW (hourly max) on 26/11/2020 at 18:00 hrs.
 - MSPGCL Thermal actual generation was as low as 3764 MW (hourly min) on 09/11/2020 at 03:00 hrs.
 - Max. Voltage at 765kV Substation was recorded as 793 at 765KV Akola substation and Min voltage was recorded as 749kV at 765kV Ektuni substation.
 - Max.Voltage at MSETCL 400 kV Substation recorded as 439kV at 400KV Kalwa and Min voltage was recorded as 389 at 400KV Jejuri.
 - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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