

Note on**Maharashtra Power System Overview, Under frequency operation, Load shedding (Planned and Distress) for the month of Nov.-2015.****Maharashtra system Overview:**

The overview of Maharashtra system operation for the month of Nov.-2015 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in Nov.-2015 are given below:-

| Sr No. | Particulars | Recorded Demand/Requirement | Date | Time |
|--------|----------------------|---------------------------------------|------------|-----------|
| 1 | Max. Demand | 20760 MW (with Load shedding 382 MW) | 09.11.2015 | 12:00 Hrs |
| 2 | Min. Demand | 13349 MW | 12.11.2015 | 04:00 Hrs |
| 3 | Max . Demand Catered | 20378 MW | 09.11.2015 | 12:00 Hrs |
| 4 | Energy Catered | 12027 Mus | | |
| 5 | Max. Energy Catered | 436.9 Mus | 04.11.2015 | |
| 6 | Avg. Energy Catered | 401 Mus | | |

- The power supply position for **MSEDCL** in Nov.-15 are given below :-

| Sr No. | Particulars | Recorded Demand/Requirement | Date | Time |
|--------|----------------------|---------------------------------------|------------|-----------|
| 1 | Max. Demand | 17699 MW (with Load shedding 382 MW) | 09.11.2015 | 12:00 Hrs |
| 2 | Min. Demand | 11491 MW | 12.11.2015 | 02:00 Hrs |
| 3 | Max . Demand Catered | 17317 MW | 09.11.2015 | 12:00 Hrs |
| 4 | Energy Catered | 10295.39 Mus | | |
| 5 | Max. Energy Catered | 372.9 Mus | 04.11.2015 | |
| 6 | Avg. Energy Catered | 343.5 Mus | | |

- The power supply position for **Mumbai system** in Nov.-15 are given below:-

| Sr No. | Particulars | Recorded Demand/Requirement | Date | Time |
|--------|---------------------|-----------------------------|------------|-----------|
| 1 | Max. Demand | 3220 MW | 05.11.2015 | 12:00 Hrs |
| 2 | Min. Demand | 1608 MW | 29.11.2015 | 05:00 Hrs |
| 4 | Energy Catered | 1731.5 Mus | | |
| 5 | Max. Energy Catered | 65.1 Mus | 05.11.2015 | |
| 6 | Avg. Energy Catered | 57.7 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 562 MW on 06/11/2015 at 13:00 Hrs. and Min. load shedding was recorded as 10 MW on 24/11/2015 at 02:00 Hrs. Average load shedding quantum for the month was 182 MW.
 - Planned load shedding for load relief is carried out in MSEDCL area to mitigate the availability in real time if required.. In addition, AG-LM load management scheme was in force for defined hours, as per the load shedding circular.
 - There was no distress load shedding due to shortfall of supply during the month.
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Other Highlights of Maharashtra System in Nov.-15.

- RGPPL generation (Total:-1967MW & MSEDCL share:- 1888 MW) was under shutdown due to gas shortage w.e.f. 29/12/2013. The Unit 3B (240MW) and Unit 3X (120 MW) synchronized on 26.11.22015 on 08:47 hrs and 12:32 Hrs respectively. The generation in month is 27.25 Mus
 - 3.216 TMC of Koyna water was utilized for Nov. 2015.
 - Wind Generation for the month was 254 Mus. Average wind generation was 353 MW/hour.
 - The average grid frequency for the month was 49.97 Hz. The Instantaneous Maximum frequency was 50.26Hz. and Minimum frequency was 49.64 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal availability was as high as 6297 MW (hourly max) on 08/11/2015 at 13:00 hrs.
 - MSPGCL Thermal availability was as low as 4321 MW (hourly min) on 17/11/2015 at 24:00 hrs.
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Karad S/s (436 kV) and Min voltage was recorded at Lamboti S/s (376 kV).
 - There was no planned load shedding in Mumbai area (i.e. BEST, R-Infra-D, and TPC-D) during the Month.
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