

Note on

**System Overview, Under frequency operation , feeders opening from EHV s/s for additional load relief in Maharashtra system for the month of April -2012**

The overview of Maharashtra system operation for the month April - 2012 with respect to availability and shortfall is elaborated as under.

The details of power supply position for MSEDCL are given below.

- Average monthly availability for MSEDCL
  - a) MSPGCL thermal - 5060 MW
  - b) MSPGCL gas - 585 MW
  - c) Central sector(ISGS) - 4165 MW  
(Incl. RGPPL)
- Total non- peak availability - 9810 MW

The availability, including all hydro gen, in evening peak hours was about 11300 MW.

- The MSEDCL *maximum evening* peak demand recorded as 14835 MW (inclusive of planned load relief was 1917 MW) on 03/04/2012.
- The MSEDCL *minimum evening* peak demand recorded as 13263 MW (inclusive of planned load relief was 901 MW on 20/04/2012.
- The MSEDCL *Morning maximum and minimum* peak recorded as 15261 MW (incl. PLR of 1166 MW) on 10/04/2012 and 14088 MW (incl. PLR of 1077 MW) on 20/04/2012 respectively.

Planned load shedding program is based on **Scenario-V-A**. Presently, MSEDCL planned load shedding is in force as per **Circular no. 43 and effective from 24/04/2012**. The Hourly load relief quantum is submitted at the end of the day, daily, by LM cell of MSEDCL, Kalwa

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- Planned load shedding for load relief is carried out in MSEDCL area to mitigate the availability in real time. In addition, AG-LM load management scheme is in force for defined hours, as per the load shedding circular.
  - There was no instance of distress load shedding due to short fall of supply
  - *MSPGCL* Thermal availability was as low as 4230 MW (average/day) on 27/04/2012.
  - 4.235 TMC of Koyna water was utilized and average wind generation was 324 MW/hour.
  - The average grid frequency for the month was 49.87 Hz and frequency below 49.20 Hz was 0.111 % of the time.
  - There was no instance of under frequency operation at 48.80 Hz during the month.
  - There was no planned load shedding in Mumbai area (i.e. BEST, R-Infra-D, and TPC-D) during the month.

SE (Operation)  
MSLDC, Kalwa

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