

Note on

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

The overview of Maharashtra system operation for the month May - 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 - 5070 MW
  - b) MSPGCL gas - 475 MW
  - c) Central sector(ISGS) - 4290 MW  
(Incl. RGPPL)
- Total non- peak availability - 9835 MW

The availability, including all hydro gen, in evening peak hours was about 11500 MW.

- The MSEDCL *maximum evening* peak demand recorded as 14657 MW (inclusive of planned load relief was 802 MW) on 23/05/2012.
- The MSEDCL *minimum evening* peak demand recorded as 11844 MW (planned load relief was Nil) on 01/05/2012.
- The MSEDCL *Morning maximum and minimum* peak recorded as 15068 MW (incl. PLR of 863 MW) on 21/05/2012 and 12875 MW (incl. PLR of 310 MW) on 01/05/2012 respectively.

Planned load shedding program is based on Scenario-V-A. Presently, MSEDCL planned load shedding is in force as per Circulars no. 44 (dated 23/04/12) & 44-Modified (dated 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 4325 MW (average/day) on 21/05/2012.
  - 8.990 TMC of Koyna water was utilized and average wind generation was 638 MW/hour.
  - The average grid frequency for the month was 49.76 Hz and frequency below 49.20 Hz was 1.138 % of the time.
  - There were two instances of under frequency operation at 48.80 Hz during the month. The Maharashtra system was under drawing at both events.
  - 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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