

Note on

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

The overview of Maharashtra system operation for the month June - 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 - 4320 MW
 - b) MSPGCL gas - 485 MW
 - c) Central sector(ISGS) - 4115 MW
(Incl. RGPPL)
- Total non- peak availability - 8920 MW

The availability, including all hydro gen, in evening peak hours was about 11200 MW.

- The MSEDCL *maximum evening* peak demand recorded as 14374 MW (inclusive of planned load relief was 704 MW) on 04/06/2012.
- The MSEDCL *minimum evening* peak demand recorded as 11370 MW (planned load relief was 391 MW) on 17/06/2012.
- The MSEDCL *Morning maximum and minimum* peak recorded as 14875 MW (incl. PLR of 799 MW) on 05/06/2012 and 11915 MW (incl. PLR of 147 MW) on 19/06/2012 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 3654 MW (average/day) on 17/06/2012.
 - 7.697 TMC of Koyna water was utilized and average wind generation was 875 MW/hour.
 - The average grid frequency for the month was 49.69 Hz and frequency below 49.20 Hz was 4.107 % of the time.
 - There were twenty two instances of under frequency operation at 48.80 Hz during the month. Immediate remedial action was taken to curtail the overdrawl in 8 no. 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
