

Note on

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

The overview of Maharashtra system operation for the month September - 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 - 3545 MW
 - b) MSPGCL gas - 385 MW
 - c) Central sector(ISGS) - 4090 MW
(Incl. RGPPL)
- Total non- peak availability - 8020 MW

The availability from dedicated sources including all hydro gen, in evening peak hours was about 9700 MW.

- The MSEDCL *maximum evening* peak demand recorded as 13401 MW (inclusive of planned load relief was 96 MW) on 26/09/2012.
- The MSEDCL *minimum evening* peak demand recorded as 11613 MW (inclusive of planned load relief was 412 MW) on 03/09/2012.
- The MSEDCL *Morning maximum and minimum* peak recorded as 13456 MW (incl. PLR of 701 MW) on 28/09/2012 and 10927 MW (incl. PLR of 513 MW) on 06/09/2012 respectively.

Feeder wise planned load shedding program is implemented wef. 22/08/2012 by MSEDCL as per letter dated 14/08/2012. *The Hourly load relief quantum is submitted at the end of the day, daily, by LM cell of MSEDCL, Kalwa*

- 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 distress load shedding due to short fall of supply during the month.
- *MSPGCL* Thermal availability was as low as 2613 MW (average/day) on 06/09/2012.
- 5.327 TMC of Koyna water was utilized and average wind generation was 456 MW/hour.
- The average grid frequency for the month was 50.02 Hz.
- There was no instance of under frequency operation during the month.
- There was no planned load shedding in Mumbai area (i.e. BEST, R-Infra-D, and TPC-D) during the month.

CERC, amended IEGC and UI regulation-2012 is effective from 00:00 hrs. of 17/09/2012. The new operating grid frequency band is 49.70 to 50.20 Hz.
