

Note on

System Overview, Under frequency operation, feeders opening from EHV s/s for additional load relief in Maharashtra system for the month of January -2013

The overview of Maharashtra system operation for the month January - 2013 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 - 5087 MW
 - b) MSPGCL gas - 455 MW
 - c) Central sector(ISGS) - 3901 MW
(Incl. RGPPL)
- Total non- peak availability - 9443 MW

The availability from dedicated sources including all hydro gen, in evening peak hours was about 11000 MW.

- The MSEDCL *maximum evening* peak demand recorded as 13702 MW (inclusive of planned load relief was 492 MW) on 15/01/2013.
- The MSEDCL *minimum evening* peak demand recorded as 11098 MW (inclusive of planned load relief was 80 MW) on 26/01/2013.
- The MSEDCL *Morning maximum and minimum* peak recorded as 14709 MW (incl. PLR of 573 MW) on 13/01/2013 and 13034 MW (PLR –114) on 26/01/2013 respectively.

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 wef. 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*

- 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 4433 MW (average/day) on 12/01/2013.
 - *MSPGCL* Thermal availability was as high as 5444 MW (average/day) on 17/01/2013.
 - 3.337 TMC of Koyna water was utilized and average wind generation was 141 MW/hour.
 - The average grid frequency for the month was 49.97 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.
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