Note on

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

The overview of Maharashtra system operation for the month August - 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   -   3280 MW
    b) MSPGCL gas   -   440 MW
    c) Central sector(ISGS) -   4025 MW
        (Incl. RGPPL)

    Total non- peak availability   -   7745 MW

The availability from dedicated sources including all hydro gen, in evening peak hours was about 9500 MW.

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- The MSEDCL *maximum evening* peak demand recorded as 12883 MW (inclusive of planned load relief was 1901 MW) on 23/08/2012.

- The MSEDCL *minimum evening* peak demand recorded as 10477 MW (inclusive of planned load relief was 255 MW) on 15/08/2012**.**

- The MSEDCL *Morning maximum and minimum* peak recorded as 13464 MW (incl. PLR of 1855 MW) on 23/08/2012 and 10551 MW (incl.PLR of 64 MW) on 03/08/2012 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 distress load shedding due to short fall of supply on 22 & 23 August-12

- *MSPGCL* Thermal availability was as low as 2608 MW (average/day) on 22/08/12.

- 5.463 TMC of Koyna water was utilized and average wind generation was 883 MW/hour.

- The average grid frequency for the month was 49.95 Hz.

- There was one instance of under frequency operation on 20/08/2012 at 48.80 Hz during the month. Maharashtra was under drawing at the event.

- There was no planned load shedding in Mumbai area (i.e. BEST, R-Infra-D, and TPC-D) during the month.