

Note on

Maharashtra Power System Overview, Under frequency operation, Load shedding (Planned and Distress) for the month of Aug-2015.

Maharashtra system Overview:

The overview of Maharashtra system operation for the month of Aug-2015 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in Aug-2015 are given below:-
 - The State *maximum* demand was recorded as 18982 MW (including load shedding of 31 MW) on 26/08/2015 at 12:00Hrs.
 - The State *minimum* demand was recorded as 12155 MW on 15/08/2015 at 18:00Hrs.
 - The State *maximum CATERED* demand was recorded as 18951 MW on 26/08/2015 at 12:00Hrs.
 - The State has Catered 11780 Mus in the Month (Average 380 Mus) and max Catered Mus was 411.72 on 27/08/2015.

- The power supply position for **MSEDCL** in Aug-15 are given below :-
 - The *maximum* demand of MSEDCL was recorded as 16019 MW (including load shedding of 28 MW) on 27/08/2015 at 10:00Hrs.
 - The *minimum* demand of MSEDCL was recorded as 10052 MW on 15/08/2015 at 18:00Hrs.
 - The *maximum CATERED* demand of MSEDCL was recorded as 15991 MW on 27/08/2015 at 10:00Hrs.
 - MSEDCL has Catered 9977.78 Mus in the Month (Average 321.9 Mus) and max Catered Mus was 349.7 on 27/08/2015.

- The power supply position for **Mumbai system** in August-15 are given below:-
 - The *maximum* demand of MUMBAI SYSTEM was recorded as 3198 MW on 21/08/2015 at 12:00Hrs.
 - The *minimum* demand of MUMBAI SYSTEM was recorded as 1632 MW on 31/08/2015 at 05:00Hrs.
 - The MUMBAI SYSTEM has Catered 1802 Mus in the Month (Average 58.1 Mus) and max Mus Catered was 62.9 on 21/08/2015.

Load shedding in MSEDCL area :

- 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 w.e.f. 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.
- Max. load shedding was recorded as 60 MW on 02/08/2015 at 01:00 Hrs. and Min. load shedding was recorded as 18 MW on 31/08/2015 at 02:00 Hrs. Average load shedding quantum for the month was 29.72 MW.
- Planned load shedding for load relief is carried out in MSEDCL area to mitigate the availability in real time if required.. In addition, AG-LM load management scheme was in force for defined hours, as per the load shedding circular.
- There was no distress load shedding due to shortfall of supply during the month.

Other Highlights of Maharashtra System in Aug-15.

- RGPPL generation was NIL in August-15. RGPPL generation (Total:-1967MW & MSEDCL share:-1888 MW) is under shutdown due to gas shortage w.e.f. 29/12/2013.
 - 3.298 TMC of Koyna water was utilized for Aug 2015.
 - Wind Generation for the month was 739 Mus. Average wind generation was 992 MW/hour.
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- The average grid frequency for the month was 49.95 Hz. The Instantaneous Maximum frequency was 50.28 Hz. and Minimum frequency was 49.54 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal availability was as high as 4582 MW (hourly max) on 1/08/2015 at 09:00 hrs.
 - MSPGCL Thermal availability was as low as 2770 MW (hourly min) on 16/08/2015 at 23:00 hrs.
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Koradi S/s (436 kV) and Min voltage was recorded at Lamboti S/s (369 kV).
 - There was no planned load shedding in Mumbai area (i.e. BEST, R-Infra-D, and TPC-D) during the Month.
 - TPCL U-7B (60MW) out since, 17/07/15 due to problem in stator and rotor of exciter and TPCL BPSU-150 MW (Hydro) out since 09/06/15 due to stator Earth Fault, both units were not available on bar during August 15..
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