

Note on

Maharashtra Power System Overview, Under frequency operation, Load shedding (planned and Distress) for the month of Oct-2013.

Maharashtra system Overview:

The overview of Maharashtra system operation for the month Oct-2013 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in Oct-13 are given below:-
 - The State *maximum* demand was recorded as 17326 MW (including load shedding of 595 MW) on 30/10/2013 at 12:00Hrs.
 - The State *minimum* demand was recorded as 11062 MW on 13/10/2013 at 18:00Hrs.
 - The State *maximum CATERED* demand was recorded as 16925 MW on 31/10/2013 at 12:00Hrs.
 - The State has Catered 10694.268 Mus in the Month (daily average of 344.97 Mus) and max daily Catered Mus was 370.9 on 31/10/2013.
- The power supply position for **MSEDCL** in Oct-13 are given below:-
 - The *maximum* demand of MSEDCL was recorded as 14314 MW (including load shedding of 595 MW) on 30/10/2013 at 12:00Hrs.
 - The *minimum* demand of MSEDCL was recorded as 9076 MW on 13/10/2013 at 18:00Hrs.
 - The *maximum CATERED* demand of MSEDCL was recorded as 13941 MW on 31/10/2013 at 10:00Hrs.
 - MSEDCL has Catered 8888.61 Mus in the Month (daily average of 286.73 Mus) and max daily Catered Mus was 311.2 on 31/10/2013.

- The power supply position for **Mumbai system** in Oct-13 are given below:-
 - The *maximum* demand of MUMBAI SYSTEM was recorded as 3129 MW on 28/10/2013 at 12:00Hrs.
 - The *minimum* demand of MUMBAI SYSTEM was recorded as 1668 MW on 13/10/2013 at 05:00Hrs.
 - The MUMBAI SYSTEM has Catered 1805.6 Mus in the Month (daily average of 58.24 Mus) and max daily Mus Catered was on 62.1 on 28/10/2013.

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 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.
 - Max. load shedding was recorded as 901 MW on 23/10/2013 at 08:00 Hrs. and Min. load shedding was recorded as 50 MW on 13/10/2013. Average load shedding quantum for the month was 204.75 MW.
 - Planned load shedding Group C, D in MSEDCL were implemented at the end of the month and Groups E, F, G1, G2, G3 were implemented for load relief in MSEDCL area to mitigate the availability in real time. In addition, AG-LM load management scheme was in force for defined hours, as per the load shedding circular. All PLR groups A, B, C, D, E, F & G were withdrawn during the Navratri festival.
 - There was no distress load shedding due to shortfall of supply during the month.
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Other Highlights of Maharashtra System in Oct-13.

- MSPGCL Parli TPS generation Units 3, is under shut down due to water shortage w.e.f.15/02/2013.
 - RGPPL generation was NIL in Oct-13. RGPPL generation (Total:-1967MW & MSEDCL share:- 1888 MW) shutdown due to gas shortage w.e.f. 16/07/2013.
 - 7.526 TMC of Koyna water was utilized for grid conditions in Oct 2013. Koyna gates were opened from 07:30Hrs of 05/10/2013 to 14:30Hrs of 07/10/2013 for flood control. Total Koyna water utilization for flood control was 0.788 TMC during this period. Therefore, total water utilization (including utilization for flood water control) for the month of Oct-13 was 8.314 TMC. Water balance for the year 2013-14 in Oct-13 was 46.612 TMC.
 - The average grid frequency for the month was 50.02 Hz. The Instantaneous Maximum frequency was 50.61 Hz. and Minimum frequency was 49.26 Hz.
 - There was no instance of under frequency operation during the month.
 - Wind Generation in Mus for the month was 178.56 Mus. Average wind generation was 240 MW/hour.
 - MSPGCL Thermal availability was as high as 4777 MW (hourly max) on 17/10/2013 at 10:00 hrs.
 - MSPGCL Thermal availability was as low as 3029 MW (hourly min) on 30/10/2013 at 10:00 hrs.
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Aurangabad S/s & Bhusawal S/s (439 kV) and Min voltage was recorded at Dhule S/s (382 kV).
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