

Note on

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

Maharashtra system Overview:

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

- The power supply position for **STATE** in Nov-13 are given below:-
 - The State *maximum* demand was recorded as 18307 MW (including load shedding of 716 MW) on 13/11/2013 at 12:00Hrs.
 - The State *minimum* demand was recorded as 12144 MW on 04/11/2013 at 04:00Hrs.
 - The State *maximum CATERED* demand was recorded as 17591 MW on 13/11/2013 at 12:00Hrs.
 - The State has Catered 10656.45 Mus in the Month (daily average of 355.21 Mus) and max daily Catered Mus was 368.3 on 26/11/2013.
- The power supply position for **MSEDCL** in Nov-13 are given below:-
 - The *maximum* demand of MSEDCL was recorded as 15603 MW (including load shedding of 974 MW) on 23/11/2013 at 13:00Hrs.
 - The *minimum* demand of MSEDCL was recorded as 10409 MW on 04/11/2013 at 04:00Hrs.
 - The *maximum CATERED* demand of MSEDCL was recorded as 14806 MW on 13/11/2013 at 12:00Hrs.
 - MSEDCL has Catered 9055.66 Mus in the Month (daily average of 301.9 Mus) and max daily Catered Mus was 311.6 on 20/11/2013.

- The power supply position for **Mumbai system** in Nov-13 are given below:-
 - The *maximum* demand of MUMBAI SYSTEM was recorded as 2979 MW on 27/11/2013 at 12:00Hrs.
 - The *minimum* demand of MUMBAI SYSTEM was recorded as 1466 MW on 18/11/2013 at 05:00Hrs.
 - The MUMBAI SYSTEM has Catered 1600 Mus in the Month (daily average of 53.4 Mus) and max daily Mus Catered was on 58.32 on 01/11/2013.

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 1067 MW on 19/11/2013 at 08:00 Hrs. and Min. load shedding was recorded as 0 MW on 30/11/2013. Average load shedding quantum for the month was 385.74 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 Diwali 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 Nov-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 Nov-13. RGPPL generation (Total:-1967MW & MSEDCL share:- 1888 MW) shutdown due to gas shortage w.e.f. 16/07/2013.
 - 9.877 TMC of Koyna water was utilized for Nov 2013. Wind Generation in Mus for the month was 128.5 Mus. Average wind generation was 178.4 MW/hour.
 - The average grid frequency for the month was 50.00 Hz. The Instantaneous Maximum frequency was 50.51 Hz. and Minimum frequency was 49.46 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal availability was as high as 4946 MW (hourly max) on 05/11/2013 at 10:00 hrs.
 - MSPGCL Thermal availability was as low as 3568 MW (hourly min) on 26/11/2013 at 04:00 hrs.
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Bhusawal S/s (440 kV) and Min voltage was recorded at Lamboti S/s (361 kV).
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