

Note on

Maharashtra Power System Overview, Under frequency operation, Load shedding (planned and Distress) for the month of Feb-2014.

Maharashtra system Overview:

The overview of Maharashtra system operation for the month Feb-2014 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in Feb-14 are given below:-
 - The State *maximum* demand was recorded as 19635 MW (including load shedding of 1655 MW) on 19/02/2014 at 12:00Hrs.
 - The State *minimum* demand was recorded as 12005 MW on 28/02/2014 at 04:00Hrs.
 - The State *maximum CATERED* demand was recorded as 18510 MW on 05/02/2014 at 11:00Hrs.
 - The State has Catered 10340 Mus in the Month (daily average of 369.3 Mus) and max daily Catered Mus was 387.6 on 06/02/2014.

- The power supply position for **MSEDCL** in Feb-14 are given below:-
 - The *maximum* demand of MSEDCL was recorded as 17158 MW (including load shedding of 1655 MW) on 19/02/2014 at 12:00Hrs.
 - The *minimum* demand of MSEDCL was recorded as 10513 MW on 28/02/2014 at 04:00Hrs.
 - The *maximum CATERED* demand of MSEDCL was recorded as 15983 MW on 05/02/2014 at 10:00Hrs.
 - MSEDCL has Catered 8999 Mus in the Month (daily average of 321.4 Mus) and max daily Catered Mus was 335.7 on 06/02/2014.

- The power supply position for **Mumbai system** in Feb-14 are given below:-
 - The *maximum* demand of MUMBAI SYSTEM was recorded as 2812 MW on 25/02/2014 at 12:00Hrs.
 - The *minimum* demand of MUMBAI SYSTEM was recorded as 1173 MW on 17/02/2014 at 04:00Hrs.
 - The MUMBAI SYSTEM has Catered 1341 Mus in the Month (daily average of 47.9 Mus) and max daily Mus Catered was 54.0 on 26/02/2014.

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 1826 MW on 20/02/2014 at 16:00 Hrs. and Min. load shedding was recorded as 1 MW on 02/02/2014. Average load shedding quantum for the month was 396.2 MW.
- Planned load shedding Group A, B, C, D in MSEDCL were implemented in the mid 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 between 18:00hrs. to 22:00hrs from 06.02.2014 for HSC/SSC examinations.
- There was no distress load shedding due to shortfall of supply during the month.

Other Highlights of Maharashtra System in Feb-14.

- 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 Feb-14. RGPPL generation (Total:-1967MW & MSEDCL share:- 1888 MW) is under shutdown due to gas shortage w.e.f. 29/12/2013.
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- 7.410 TMC of Koyna water was utilized for Feb 2014. Wind Generation in Mus for the month was 169.2 Mus. Average wind generation was 252 MW/hour.
 - The average grid frequency for the month was 50.01 Hz. The Instantaneous Maximum frequency was 50.69 Hz. and Minimum frequency was 49.36 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal availability was as high as 6049 MW (hourly max) on 21/02/2014 at 12:00 hrs.
 - MSPGCL Thermal availability was as low as 4208 MW (hourly min) on 13/02/2014 at 04:00 hrs.
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Kalwa S/s (438 kV) and Min voltage was recorded at Lamboti S/s (374 kV).
 - 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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