

Note on

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

Maharashtra system Overview:

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

- The power supply position for **STATE** in Jun-13 are given below:-
 - The State *maximum* demand was recorded as 16567 MW (including load shedding of 594 MW) on 01/06/2013 at 12:00Hrs.
 - The State *minimum* demand was recorded as 10889 MW on 15/06/2013 at 05:00Hrs.
 - The State *maximum CATERED* demand was recorded as 16075 MW on 01/06/2013 at 16:00Hrs.
 - The State has Catered 9520 Mus in the Month (daily average of 317.33Mus) and max daily Catered Mus was 355.3 on 01/06/2013.
- The power supply position for **MSEDCL** in Jun-13 are given below:-
 - The *maximum* demand of MSEDCL was recorded as 13612 MW (including load shedding of 594 MW) on 01/06/2013 at 12:00Hrs.
 - The *minimum* demand of MSEDCL was recorded as 9277 MW on 15/06/2013 at 04:00Hrs.
 - The *maximum CATERED* demand of MSEDCL was recorded as 13145 MW on 01/06/2013 at 16:00Hrs.
 - MSEDCL has Catered 7864.97 Mus in the Month (daily average of 262.16 Mus) and max daily Catered Mus was 295.4 on 01/06/2013.

- The power supply position for **Mumbai system** in Jun-13 are given below:-
 - The *maximum* demand of MUMBAI SYSTEM was recorded as 3183 MW on 06/06/2013 at 16:00Hrs.
 - The *minimum* demand of MUMBAI SYSTEM was recorded as 1491 MW on 17/06/2013 at 05:00Hrs.
 - The MUMBAI SYSTEM has Catered 1655.02 Mus in the Month (daily average of 55.16 Mus) and max daily Mus Catered was on 63.6 on 06/06/2013.

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 779 MW on 05/06/2013 at 07:00 Hrs. and Min load shedding was recorded as 4 MW on 18/06/2013. Average load shedding quantum for the month was 188.58 MW.
- Planned load shedding Group A,B,C,D in MSEDCL were withdrawn throughout the month and sometimes Groups E, F,G1,G2,G3 were implemented for load relief in MSEDCL area to mitigate the availability in real time.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 and it was also withdrawn many times during night hours.
- There was no distress load shedding due to short fall of supply during the month.

Other Highlights of Maharashtra System in May-13.

- MSPGCL Parli TPS generation (1130MW) shut down due to water shortage w.e.f.15/02/2013
 - RGPPL generation generated 109.8 Mus (Average Generation 152.49 MW) in Jun-13.
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- 2.431 TMC of Koyna water was utilized for Jun 2013 and total Koyna water utilization for Water year 12-13 was 68.823 TMC.
 - Wind Generation in Mus for the month was 630.3 Mus. Average wind generation was 875.41 MW/hour.
 - The average grid frequency for the month was 50.05 Hz. The Instantaneous Maximum frequency was 50.75 Hz. and Minimum frequency was 49.04Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal availability was as high as 4568 MW (hourly max) on 01/06/2013 at 1 hrs.
 - MSPGCL Thermal availability was as low as 2574 MW (hourly min) on 27/06/2013 at 3 hrs.
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Bhusawal S/s (443 kV) and Min voltage was recorded at Aurangabad & Jejuri S/s (396 kV).
 - There was no planned load shedding in Mumbai area (i.e. BEST, R-Infra-D, and TPC-D) during the month.
 - M/s Indiabulls Power Ltd. Unit 1 of (5 x 270 MW) declared commercial operation w.e.f 03rd Jun, 2013.
 - M/s Adani Power Maharashtra Ltd. Unit 3 of (4 x 660 MW) declared commercial operation w.e.f 14th Jun, 2013.
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