

Note on

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

Maharashtra system Overview:

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

- The power supply position for **STATE** in May-13 are given below:-
 - The State *maximum* demand was recorded as 17725 MW (including load shedding of 694 MW) on 20/05/2013 at 12:00Hrs.
 - The State *minimum* demand was recorded as 12654 MW on 01/05/2013 at 19:00Hrs.
 - The State *maximum CATERED* demand was recorded as 17199 MW on 22/05/2013 at 16:00Hrs.
 - The State has Catered 11424.9 Mus in the Month (daily average of 368.54Mus) and max daily Catered Mus was 381.2 on 22/05/2013.
- The power supply position for **MSEDCL** in May-13 are given below:-
 - The *maximum* demand of MSEDCL was recorded as 14694 MW (including load shedding of 694 MW) on 20/05/2013 at 12:00Hrs.
 - The *minimum* demand of MSEDCL was recorded as 10336 MW on 01/05/2013 at 19:00Hrs.
 - The *maximum CATERED* demand of MSEDCL was recorded as 14154 MW on 22/05/2013 at 16:00Hrs.
 - MSEDCL has Catered 9589.4 Mus in the Month (daily average of 309.3 Mus) and max daily Catered Mus was 320.0 on 22/05/2013.

- The power supply position for **Mumbai system** in May-13 are given below:-
 - The *maximum* demand of MUMBAI SYSTEM was recorded as 3217 MW on 28/05/2013 at 16:00Hrs.
 - The *minimum* demand of MUMBAI SYSTEM was recorded as 1789 MW on 5/05/2013 at 08:00Hrs.
 - The MUMBAI SYSTEM has Catered 1835.5 Mus in the Month (daily average of 59.2 Mus) and max daily Mus Catered was on 64.2 on 28/05/2013.

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 988 MW on 08/05/2013 at 07:00 Hrs. and Min load shedding was recorded as 0 MW throughout the day on 21/05/2013. Average load shedding quantum for the month was 305 MW.
- Planned load shedding for load relief is carried out in MSEDCL area to mitigate the availability in real time. In addition, AG-LM load management scheme is in force for defined hours, as per the load shedding circular.
- 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 407.8 Mus (Average Generation 548 MW) in May-13.
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- 7.346 TMC of Koyna water was utilized for May 2013 and total Koyna water utilization for Water year 12-13 was 68.823 TMC.
 - Wind Generation in Mus for the month was 550.7 Mus. Average wind generation was 740 MW/hour.
 - The average grid frequency for the month was 50.03 Hz. The Instantaneous Maximum frequency was 50.98 Hz. and Minimum frequency was 49.00Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal availability was as high as 5364 MW (hourly max) on 20/05/2013 at 8 hrs.
 - MSPGCL Thermal availability was as low as 3926 MW (hourly min) on 2/05/2013 at 5 hrs.
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Lamboti S/s (439 kV) and Min voltage was recorded at Lamboti S/s (381 kV).
 - There was no planned load shedding in Mumbai area (i.e. BEST, R-Infra-D, and TPC-D) during the month.
 - M/s Ideal Energy Projects Ltd. Unit 1 (270 MW) declared commercial operation w.e.f 27th May, 2013.
 - M/s Indiabulls Power Ltd. Unit 1 of (5 x 270 MW) declared commercial operation w.e.f 03rd Jun, 2013.
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