

Note on

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

Maharashtra system Overview:

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

- The power supply position for **STATE** in Mar-13 are given below:-
 - The State *maximum* demand was recorded as 18006 MW (including load shedding of 856 MW) on 25/03/2013 at 12:00Hrs.
 - The State *minimum* demand was recorded as 12601 MW on 28/03/2013 at 04:00Hrs.
 - The State *maximum CATERED* demand was recorded as 17165 MW on 25/03/2013 at 11:00Hrs.
 - The State has Catered 10965 Mus in the Month (daily average of 353.7 Mus) and max daily Mus Catered was on 372.27 on 25/03/2013.
- The power supply position for **MSEDCL** in Mar-13 are given below:-
 - The *maximum* demand of MSEDCL was recorded as 15073 MW (including load shedding of 856 MW) on 25/03/2013 at 12:00Hrs.
 - The *minimum* demand of MSEDCL was recorded as 11036 MW on 28/03/2013 at 04:00Hrs.
 - The *maximum CATERED* demand of MSEDCL was recorded as 14298 MW on 25/03/2013 at 11:00Hrs.
 - The State has Catered 9321 Mus in the Month (daily average of 300.7 Mus) and max daily Mus Catered was on 315.81 on 26/03/2013.

- The power supply position for **Mumbai system** in Mar-13 are given below:-
 - The *maximum* demand of MUMBAI SYSTEM was recorded as 2950 MW on 8/03/2013 at 12:00Hrs.
 - The *minimum* demand of MUMBAI SYSTEM was recorded as 1372 MW on 1/03/2013 at 04:00Hrs.
 - The MUMBAI SYSTEM has Catered 1644 Mus in the Month (daily average of 53.0 Mus) and max daily Mus Catered was on 57.83 on 8/03/2013.

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.
- 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 Mar-13.

- The load shedding between 18:30 to 22:00Hrs was withdrawn on account of HSC/ SSC Examinations from 21.02.2013 to 28.03.2013
 - MSPGCL Parli TPS generation (1130MW) shut down due to water shortage w.e.f.15/02/2013
 - RGPPL generation (Total:-1967MW & MSEDCL share:- 1888 MW) shutdown in Mar-13 due to gas shortage w.e.f. 22/02/2013.
 - 9.469 TMC of Koyna water was utilized and balance water for April & May 2013 is 8.751 TMC only.
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- Wind Generation in Mus for the month was 182.5 Mus. Average wind generation was 245 MW/hour.
 - The average grid frequency for the month was 50.04 Hz. The Instantaneous Maximum frequency was 50.73Hz. and Minimum frequency was 49.31Hz.
 - There was no instance of under frequency operation during the month.
 - There was no planned load shedding in Mumbai area (i.e. BEST, R-Infra-D, and TPC-D) during the month.
 - MSPGCL Thermal availability was as high as 5325 MW (average/day) on 26/03/2013.
 - MSPGCL Thermal availability was as low as 4108 MW (average/day) on 31/03/2013.
 - Max. voltage at MSETCL 400 kV Substation was recorded at Lamboti S/s (446 kV) and Min voltage was recorded at Lamboti S/s (382 kV).
 - Adani Power Maharashtra Limited having long term PPA with MSEDCL, Unit 2 (660 MW) declared commercial operation w.e.f 30th March, 2013.
 - MSPGCL solar park at Shivaji Nagar (Sakri) synchronized with grid on 27.03.2013
 - CS Mouda STPS Stg. I (500 MW) Declared commercial operation w.e.f 13-Mar-2013 in which MSEDCL Share is 217.93 MW.
 - CS VSTPS-IV Unit - I (500 MW) Declared commercial operation w.e.f 01-Mar-2013 in which MSEDCL Share is 167.91 MW.
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