

Note on

**Maharashtra Power System Overview, Under frequency operation, Load shedding (Planned and Distress) for the month of Feb-2015.**

**Maharashtra system Overview:**

The overview of Maharashtra system operation for the month of Feb-2015 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in Feb-15 are given below:-
  - The State *maximum* demand was recorded as 19675 MW (including load shedding of 1011 MW) on 19/02/2015 at 13:00Hrs.
  - The State *minimum* demand was recorded as 11942 MW on 28/02/2015 at 24:00Hrs.
  - The State *maximum CATERED* demand was recorded as 19372 MW on 24/02/2015 at 12:00Hrs.
  - The State has Catered 10682 Mus in the Month (Average 381.5 Mus) and max Catered Mus was 410.5 on 25/02/2015.
  
- The power supply position for **MSEDCL** in Feb-15 are given below:-
  - The *maximum* demand of MSEDCL was recorded as 17035 MW (including load shedding of 1011 MW) on 19/02/2015 at 13:00Hrs.
  - The *minimum* demand of MSEDCL was recorded as 10221 MW on 28/02/2015 at 24:00Hrs.
  - The *maximum CATERED* demand of MSEDCL was recorded as 16535 MW on 19/02/2015 at 10:00Hrs.
  - MSEDCL has Catered 9291 Mus in the Month (Average 331.8 Mus) and max Catered Mus was 354.9 on 25/02/2015.

- The power supply position for **Mumbai system** in Feb-15 are given below:-
  - The *maximum* demand of MUMBAI SYSTEM was recorded as 2916 MW on 24/02/2015 at 12:00Hrs.
  - The *minimum* demand of MUMBAI SYSTEM was recorded as 1247 MW on 09/02/2015 at 04:00Hrs.
  - The MUMBAI SYSTEM has Catered 1391 Mus in the Month (Average 49.7 Mus) and max Mus Catered was 56.7 on 24/02/2015.

#### **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 1244 MW on 07/02/2015 at 13:00 Hrs. and Min. load shedding was recorded as 0 MW on 21/02/2015. Average load shedding quantum for the month was 251.6 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 was in force for defined hours, as per the load shedding circular.
- There was no distress load shedding due to shortfall of supply during the month.

#### **Other Highlights of Maharashtra System in Feb-15.**

- MSPGCL Parli TPS generation Units 3 (210 MW), is under shut down due to water shortage w.e.f.15/02/2013. And Bhusawal U#2(210MW) , Koradi U#5(200MW) and Chandrapur U#1(210MW) are declared under Economic shutdown by MAHAGENCO.
  - RGPPL generation was NIL in Feb-15. RGPPL generation (Total:-1967MW & MSEDCL share:- 1888 MW) is under shutdown due to gas shortage w.e.f. 29/12/2013.
-

- 3.295 TMC of Koyna water was utilized for Feb 2015.
  - Wind Generation for the month was 163.8 Mus. Average wind generation was 243.7 MW/hour.
  - The average grid frequency for the month was 49.98 Hz. The Instantaneous Maximum frequency was 50.51 Hz. and Minimum frequency was 49.56 Hz.
  - There was no instance of under frequency operation during the month.
  - MSPGCL Thermal availability was as high as 6175 MW (hourly max) on 26/02/2015 at 15:00 hrs.
  - MSPGCL Thermal availability was as low as 4256 MW (hourly min) on 09/02/2015 at 04:00 hrs.
  - Max. Voltage at MSETCL 400 kV Substation was recorded at Kalwa S/s (437 kV) and Min voltage was recorded at Lamboti S/s (375 kV).
  - There was no planned load shedding in Mumbai area (i.e. BEST, R-Infra-D, and TPC-D) during the month.
-