

Note on

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

**Maharashtra system Overview:**

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

- The power supply position for **STATE** in Jun-15 are given below:-
  - The State *maximum* demand was recorded as 19828 MW (including load shedding of 686 MW) on 04/06/2015 at 16:00Hrs.
  - The State *minimum* demand was recorded as 12091 MW on 22/06/2015 at 03:00Hrs.
  - The State *maximum CATERED* demand was recorded as 19717 MW on 02/06/2015 at 16:00Hrs.
  - The State has Catered 11269 Mus in the Month (Average 375.6 Mus) and max Catered Mus was 427 on 04/06/2015.
  
- The power supply position for **MSEDCL** in Jun-15 are given below :-
  - The *maximum* demand of MSEDCL was recorded as 16455 MW (including load shedding of 44 MW) on 02/06/2015 at 16:00Hrs.
  - The *minimum* demand of MSEDCL was recorded as 10133 MW on 24/06/2015 at 15:00Hrs.
  - The *maximum CATERED* demand of MSEDCL was recorded as 16411 MW on 02/06/2015 at 16:00Hrs.
  - MSEDCL has Catered 9491 Mus in the Month (Average 316.4 Mus) and max Catered Mus was 358.7 on 04/06/2015.

- The power supply position for **Mumbai system** in Jun-15 are given below:-
  - The *maximum* demand of MUMBAI SYSTEM was recorded as 3392 MW on 04/06/2015 at 16:00Hrs.
  - The *minimum* demand of MUMBAI SYSTEM was recorded as 1492 MW on 20/06/2015 at 04:00Hrs.
  - The MUMBAI SYSTEM has Catered 1778 Mus in the Month (Average 59.3 Mus) and max Mus Catered was 68.4 on 05/06/2015.

#### **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 686 MW on 04/06/2015 at 16:00 Hrs. and Min. load shedding was recorded as 30 MW on 21/06/2015. Average load shedding quantum for the month was 44.62 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 Jun-15.**

- RGPPL generation was NIL in Jun-15. RGPPL generation (Total:-1967MW & MSEDCL share:- 1888 MW) is under shutdown due to gas shortage w.e.f. 29/12/2013.
  - 4.270 TMC of Koyna water was utilized for Jun 2015.
  - Wind Generation for the month was 739 Mus. Average wind generation was 1026.8 MW/hour.
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- The average grid frequency for the month was 49.98 Hz. The Instantaneous Maximum frequency was 50.49 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 5917 MW (hourly max) on 02/06/2015 at 10:00 hrs.
  - MSPGCL Thermal availability was as low as 3871 MW (hourly min) on 24/06/2015 at 07:00 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 (371 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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