

Note on

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

Maharashtra system Overview:

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

- The power supply position for **STATE** in Jul-15 are given below:-
 - The State *maximum* demand was recorded as 20141 MW (including load shedding of 1250 MW) on 14/07/2015 at 12:00Hrs.
 - The State *minimum* demand was recorded as 13050 MW on 24/07/2015 at 04:00Hrs.
 - The State *maximum CATERED* demand was recorded as 19792 MW on 15/07/2015 at 12:00Hrs.
 - The State has Catered 12214 Mus in the Month (Average 394 Mus) and max Catered Mus was 438.7 on 15/07/2015.

- The power supply position for **MSEDCL** in Jul-15 are given below :-
 - The *maximum* demand of MSEDCL was recorded as 16953 MW (including load shedding of 1235 MW) on 14/07/2015 at 16:00Hrs.
 - The *minimum* demand of MSEDCL was recorded as 11330 MW on 25/07/2015 at 03:00Hrs.
 - The *maximum CATERED* demand of MSEDCL was recorded as 16612 MW on 15/07/2015 at 09:00Hrs.
 - MSEDCL has Catered 10337.6 Mus in the Month (Average 333.5 Mus) and max Catered Mus was 373 on 15/07/2015.

- The power supply position for **Mumbai system** in Jul-15 are given below:-
 - The *maximum* demand of MUMBAI SYSTEM was recorded as 3250 MW on 14/07/2015 at 12:00Hrs.
 - The *minimum* demand of MUMBAI SYSTEM was recorded as 1665 MW on 30/07/2015 at 04:00Hrs.
 - The MUMBAI SYSTEM has Catered 1876.3 Mus in the Month (Average 60.5 Mus) and max Mus Catered was 65.7 on 15/07/2015.

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 1476 MW on 14/07/2015 at 15:00 Hrs. and Min. load shedding was recorded as 29 MW on 06/07/2015. Average load shedding quantum for the month was 81 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 distress load shedding is carried out on 13.07.2015 & 14.07.2015 due to increase in demand and shortfall of supply in the grid during the month.

Other Highlights of Maharashtra System in Jul-15.

- RGPPL generation was NIL in Jul-15. RGPPL generation (Total:-1967MW & MSEDCL share:- 1888 MW) is under shutdown due to gas shortage w.e.f. 29/12/2013.
 - All the Parly Generating Units are under shutdown due to water Shortage. Last unit i.e. Parly U#7 was withdrawn on 08.07.2015
 - 4.461 TMC of Koyna water was utilized for Jul 2015.
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- Wind Generation for the month was 1156 Mus. Average wind generation was 1554 MW/hour.
 - The average grid frequency for the month was 49.96 Hz. The Instantaneous Maximum frequency was 50.3 Hz. and Minimum frequency was 49.55 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal availability was as high as 4933 MW (hourly max) on 06/07/2015 at 09:00 hrs.
 - MSPGCL Thermal availability was as low as 3208 MW (hourly min) on 11/07/2015 at 06:00 hrs.
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Karad S/s (434 kV) and Min voltage was recorded at Lonikand S/s (366 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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