

Note on**Maharashtra Power System Overview, Under frequency operation, Load shedding (Planned and Distress) for the month of Dec-2015.****Maharashtra system Overview:**

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

- The power supply position for **STATE** in Dec.-2015 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	19554 MW (with Load shedding 18 MW)	02.12.2015	12:00 Hrs
2	Min. Demand	11764 MW	26.12.2015	05:00 Hrs
3	Max . Demand Catered	19536 MW	02.12.2015	12:00 Hrs
4	Energy Catered	11941 Mus		
5	Max. Energy Catered	413.3 Mus	01.12.2015	
6	Avg. Energy Catered	385.2 Mus		

- The power supply position for **MSEDCL** in Dec-15 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	16725 MW (with Load shedding 21 MW)	16.12.2015	11:00 Hrs
2	Min. Demand	10500 MW	27.12.2015	23:00 Hrs
3	Max . Demand Catered	16704 MW	16.12.2015	11:00 Hrs
4	Energy Catered	10354.5 Mus		
5	Max. Energy Catered	355.7 Mus	16.12.2015	
6	Avg. Energy Catered	334 Mus		

- The power supply position for **Mumbai system** in Dec.-15 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3032 MW	02.12.2015	12:00 Hrs
2	Min. Demand	1214 MW	26.12.2015	04:00 Hrs
4	Energy Catered	1586.69 Mus		
5	Max. Energy Catered	60.4 Mus	02.12.2015	
6	Avg. Energy Catered	51.2 Mus		

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 w.e.f. 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 85 MW on 18/12/2015 at 08:00 Hrs. and Min. load shedding was recorded as 09 MW on 22/12/2015 at 16:00 Hrs. Average load shedding quantum for the month was 16.27 MW.
 - Planned load shedding for load relief is carried out in MSEDCL area to mitigate the availability in real time if required; 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.
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Other Highlights of Maharashtra System in Dec.-15.

- RGPPL generation (Total:-1967MW & MSEDCL share:- 1888 MW) was under shutdown due to gas shortage w.e.f. 29/12/2013. The Unit 3B (240MW) and Unit 3X (120 MW) synchronized on 26.11.22015 on 08:47 hrs and 12:32 Hrs respectively. The generation in month is 195.467 Mus
 - 2.971 TMC of Koyna water was utilized for Dec-2015.
 - Wind Generation for the month was 238.593 Mus. Average wind generation was 320 MW/hour.
 - The average grid frequency for the month was 49.95 Hz. The Instantaneous Maximum frequency was 50.28Hz. and Minimum frequency was 49.57 Hz.
 - There was no instance of under frequency operation during the month.
 - Koradi Unit 8 (660MW) C.O.D. W.e.f. 17.12.2015
 - MSPGCL Thermal availability was as high as 6203 MW (hourly max) on 21/12/2015 at 12:00 hrs.
 - MSPGCL Thermal availability was as low as 3886 MW (hourly min) on 04/12/2015 at 23:00 hrs.
 - Max. Voltage at MSETCL 400 kV Substation was recorded at Kalwa S/s (439 kV) and Min voltage was recorded at Lanikand II 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.
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