

Note on

Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of July - 2019

Maharashtra system Overview:-

The overview of Maharashtra system operation for the month of July - 2019 with respect to availability and shortfall is elaborated as under;

- The power supply position for **STATE** in July - 2019 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	20583 MW (with Load shedding 0 MW)	18.07.2019	12:00 Hrs
2	Min. Demand	12867 MW	31.07.2019	04:00 Hrs
3	Max. Demand Catered	20583 MW	18.07.2019	12:00 Hrs
4	Energy Catered	12591 MUs		
5	Max. Energy Catered	460 MUs	18.07.2019	
6	Avg. Energy Catered	406 MUs		

- The power supply position for **MSEDCL** in July - 2019 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	17540 MW (with Load shedding 0 MW)	18.07.2019	08:00 Hrs
2	Min. Demand	11140 MW	31.07.2019	04:00 Hrs
3	Max. Demand Catered	17540 MW	18.07.2019	08:00 Hrs
4	Energy Catered	10733 MUs		
5	Max. Energy Catered	394 MUs	18.07.2019	
6	Avg. Energy Catered	346 MUs		

- The power supply position for **Mumbai system** in July - 2019 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3315 MW	19.07.2019	12:00 Hrs
2	Min. Demand	1549 MW	02.07.2019	05:00 Hrs
3	Energy Catered	1858 MUs		
4	Max. Energy Catered	66 MUs	23.07.2019	
5	Avg. Energy Catered	60 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 22 MW and Min. load shedding was recorded as 0 MW. Average load shedding quantum for the month was 0.34 MW.
- Planned load shedding for load relief is carried out in MSEDCL area to mitigate the availability in real time if required. AG-LM load management scheme is revised as per the new load shedding circular w.e.f. 01.01.2019 vide MSEDCL letter no. CE(PP)/LM/30923 dt, 29.12.2018, 3 phase supply to AG loads will be 8/10 Hrs. w.e.f. 01.01.2019.

Other Highlights of Maharashtra System in July - 2019

- The RGPPL Power is scheduled to Railways only.
- 2.378 TMC of Koyna water was utilized for July – 2019.

- Wind Generation for the month was 1408 MUs. Average wind generation was 1892 MW/hour.
 - The average grid frequency for the month was 50Hz. The Instantaneous Maximum frequency was 50.15 Hz and Minimum frequency was 49.83 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 6109 MW (hourly max) on 17/07/2019 at 11:00 hrs.
 - MSPGCL Thermal actual generation was as low as 2826 MW (hourly min) on 31/07/2019 at 18:00 hrs.
 - Max. Voltage at 765kV Substation was recorded at 765KV Ektuni substation i.e 802 kV and Min voltage was recorded at 765kV Koradi III substation i.e 750 kV.
 - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Nanded i.e 439 kV and Min voltage was recorded at 400KV Chakan i.e 387 kV.
 - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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