

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of July - 2020****Maharashtra system Overview:-**

The overview of Maharashtra system operation for the month of July - 2020 with respect to availability and shortfall is elaborated as under;

- The power supply position for **STATE** in July - 2020 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	17792 MW (with Load shedding 0 MW)	29.07.2020	11:00 Hrs
2	Min. Demand	12942 MW	16.07.2020	03:00 Hrs
3	Max. Demand Catered	17792 MW	29.07.2020	11:00 Hrs
4	Energy Catered	11465 MUs		
5	Max. Energy Catered	389 MUs	22.07.2020	
6	Avg. Energy Catered	370 MUs		

- The power supply position for **MSEDCL** in July- 2020 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	15566 MW (with Load shedding 0 MW)	29.07.2020	11:00 Hrs
2	Min. Demand	11409 MW	17.07.2020	02:00 Hrs
3	Max. Demand Catered	15566 MW	29.07.2020	11:00 Hrs
4	Energy Catered	10051 MUs		
5	Max. Energy Catered	341 MUs	30.07.2020	
6	Avg. Energy Catered	324 MUs		

- The power supply position for **Mumbai system** in July - 2020 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	2476 MW	23.07.2020	13:00 Hrs
2	Min. Demand	1431 MW	17.07.2020	05:00 Hrs
3	Energy Catered	1414 MUs		
4	Max. Energy Catered	49 MUs	22.07.2020	
5	Avg. Energy Catered	46 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 0 MW and Min. load shedding was recorded as 0 MW. Average load shedding quantum for the month was 0 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 - 2020

- The RGPPL Power is scheduled to Railways only.
 - 3.868 TMC of Koyna water is utilized for July – 2020.
 - Wind Generation for the month was 764 MUs. Average wind generation was 1027 MW/hour.
 - The average grid frequency for the month was 50 Hz. The Instantaneous Maximum frequency was 50.26 Hz and Minimum frequency was 49.81 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 6254 MW (hourly max) on 28/07/2020 at 08:00 hrs.
 - MSPGCL Thermal actual generation was as low as 3283 MW (hourly min) on 05/07/2020 at 16:00 hrs.
 - Max. Voltage at 765kV Substation was recorded at 765KV Ektuni substation i.e 804 kV and Min voltage was recorded at 765kV Tirora substation i.e 747 kV.
 - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Kalwa i.e 446 kV and Min voltage was recorded at 400KV Chakan i.e 395 kV.
 - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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