

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of September - 2021****Maharashtra system Overview: -**

The overview of Maharashtra system operation for the month of September - 2021 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in September - 2021 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	21502 MW (with Load shedding 0 MW)	20.09.2021	12:00 Hrs.
2	Min. Demand	14749 MW	08.09.2021	04:00 Hrs.
3	Max. Demand Catered	21502 MW	20.09.2021	12:00 Hrs.
4	Energy Catered	13093.25 MUs		
5	Max. Energy Catered	464 MUs	20.09.2021	
6	Avg. Energy Catered	436 MUs		

- The power supply position for **MSEDCL** in September- 2021 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	18759 MW (with Load shedding 0 MW)	20.09.2021	09:00 Hrs.
2	Min. Demand	12998 MW	08.09.2021	02:00 Hrs.
3	Max. Demand Catered	18759 MW	20.09.2021	09:00 Hrs.
4	Energy Catered	11433.26 MUs		
5	Max. Energy Catered	405 MUs	20.09.2021	
6	Avg. Energy Catered	381 MUs		

- The power supply position for **Mumbai system** in September - 2021 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	2992 MW	28.09.2021	12:00 Hrs.
2	Min. Demand	1672 MW	05.09.2021	05:00 Hrs.
3	Energy Catered	1660 MUs		
4	Max. Energy Catered	58.4 MUs	24.09.2021	
5	Avg. Energy Catered	55 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 September - 2021

- The RGPPL Power is scheduled to Railways only.
 - 6.66 TMC of Koyna water is utilized for September – 2021.
 - Wind Generation for the month was 791.45 MUs. Average wind generation was 1099 MW/hour.
 - The average grid frequency for the month was 50 Hz. The Instantaneous Maximum frequency was 50.1 Hz and Minimum frequency was 49.7 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 5301 MW (hourly max) on 04.09.21 at 06:00 hrs.
 - MSPGCL Thermal actual generation was as low as 3285 MW (hourly min) on 14.09.21 at 14:00 hrs.
 - Max. Voltage at 765kV Substation was recorded as 798 at 765KV Ektuni substation and Min voltage was recorded as 750kV at 765kV Tirora substation.
 - Max.Voltage at MSETCL 400 kV Substation recorded as 439kV at 400KV Kalwa and Min voltage was recorded as 383 at 400KV Jejuri.
 - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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