

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of June - 2023****Maharashtra system Overview: -**

The overview of Maharashtra system operation for the month of June - 2023 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in June - 2023 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	28546 MW (with Load shedding 0 MW)	21.06.2023	16:00 Hrs.
2	Min. Demand	17560 MW	04.06.2023	18:00 Hrs.
3	Max. Demand Catered	28546 MW	21.06.2023	16:00 Hrs.
4	Energy Catered	17659 MUs		
5	Max. Energy Catered	633 MUs	20.06.2023	
6	Avg. Energy Catered	589 MUs		

- The power supply position for **MSEDCL** in June - 2023 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	24232 MW (with Load shedding 0 MW)	21.06.2023	16:00 Hrs.
2	Min. Demand	14315 MW	04.06.2023	18:00 Hrs.
3	Max. Demand Catered	24232 MW	21.06.2023	16:00 Hrs.
4	Energy Catered	15137 MUs		
5	Max. Energy Catered	546 MUs	20.06.2023	
6	Avg. Energy Catered	505 MUs		

- The power supply position for **Mumbai system** in June - 2023 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	4108 MW	09.06.2023	16:00 Hrs.
2	Min. Demand	1938 MW	30.06.2023	05:00 Hrs.
3	Energy Catered	2208 MUs		
4	Max. Energy Catered	82 MUs	09.06.2023	
5	Avg. Energy Catered	74 MUs		

- The power supply position for **Other Discoms** (Indian Railway, Mind Space, Gigaplex, KRC Infrastructure, Nidar Utilities, MADDC, E-ON Phase I, E-ON Phase II, Laxmi Pati) in June - 2023 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	519 MW (with Load shedding 0 MW)	19.06.2023	18:00 Hrs.
2	Min. Demand	301 MW	27.06.2023	04:00 Hrs.
3	Max. Demand Catered	519 MW	19.06.2023	18:00 Hrs.
4	Energy Catered	314 MUs		
5	Max. Energy Catered	11 MUs	19.06.2023	
6	Avg. Energy Catered	11 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. Circular no. 46 is temporarily modified by circular no 56 dt. 18.04.2022. 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 1886 MW on 15.06.2023 at 00:00 Hrs and Min. load shedding was recorded as 0 MW. Load shedding was carried out due to over drawl.
- 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 load shedding circular w.e.f. 20.04.2022 vide MSEDCL letter no. ED(II)/LM/PLS/09490 dated 18.04.2022, 3 phase supply to AG loads will be 8/10 Hrs. w.e.f. 20.04.2022.

Other Highlights of Maharashtra System in June - 2023

- 4.474 TMC of Koyna water is utilized for June – 2023.
 - Wind Generation for the month was 1167 MUs. Average wind generation was 1620 MW/hour.
 - The average grid frequency for the month was 50.0 Hz. The Instantaneous Maximum frequency was 50.02 Hz and Minimum frequency was 49.96 Hz.
 - MSPGCL Thermal actual generation was as high as 7446 MW (hourly max) on 10.06.23.
 - MSPGCL Thermal actual generation was as low as 4298 MW (hourly min) on 04.06.23.
 - Max. Voltage at 765kV Substation was recorded as 795 KV at 765KV Akola substation and Min. voltage was recorded as 743 kV at 765kV Ektuni substation.
 - Max.Voltage at MSETCL 400 kV Substation recorded as 436 kV at 400kV Kalwa and Min. voltage was recorded 372 kV at 400kV Lonikand I substations.
 - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
-