

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of June - 2022****Maharashtra system Overview: -**

The overview of Maharashtra system operation for the month of June - 2022 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in June - 2022 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	26972 MW (with Load shedding 0 MW)	08.06.2022	16:00 Hrs.
2	Min. Demand	18102 MW	27.06.2022	04:00 Hrs.
3	Max. Demand Catered	26972 MW	08.06.2022	16:00 Hrs.
4	Energy Catered	15972 MUs		
5	Max. Energy Catered	592 MUs	07.06.2022	
6	Avg. Energy Catered	532 MUs		

- The power supply position for **MSEDCL** in June - 2022 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	22830 MW (with Load shedding 0 MW)	08.06.2022	16:00 Hrs.
2	Min. Demand	15819 MW	27.06.2022	04:00 Hrs.
3	Max. Demand Catered	22830 MW	08.06.2022	16:00 Hrs.
4	Energy Catered	13697 MUs		
5	Max. Energy Catered	507 MUs	07.06.2022	
6	Avg. Energy Catered	457 MUs		

- The power supply position for **Mumbai system** in June - 2022 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3738 MW	09.06.2022	16:00 Hrs.
2	Min. Demand	1883 MW	22.06.2022	05:00 Hrs.
3	Energy Catered	1997 MUs		
4	Max. Energy Catered	76 MUs	08.06.2022	
5	Avg. Energy Catered	67 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 - 2022 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	465 MW (with Load shedding 0 MW)	06.06.2022	12:00 Hrs.
2	Min. Demand	286 MW	07.06.2022	04:00 Hrs.
3	Max. Demand Catered	465 MW	06.06.2022	12:00 Hrs.
4	Energy Catered	279 MUs		
5	Max. Energy Catered	10 MUs	06.06.2022	
6	Avg. Energy Catered	9 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 recorded as 0 MW and Min. load shedding recorded as 0 MW. Average load shedding quantum for the month is 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 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 - 2022

- 4.23 TMC of Koyna water is utilized for June – 2022.
 - Wind Generation for the month was 826 MUs. Average wind generation was 1147 MW/hour.
 - The average grid frequency for the month was 49.98 Hz. The Instantaneous Maximum frequency was 50.20 Hz and Minimum frequency was 49.72 Hz.
 - There was no instance of under frequency operation (48.8 Hz, 49.0 Hz, 49.2 Hz & 49.4 Hz) during the month.
 - MSPGCL Thermal actual generation was as high as 7595 MW (hourly max) on 04.06.22 at 20:00 hrs.
 - MSPGCL Thermal actual generation was as low as 5020 MW (hourly min) on 11.06.22 at 18:00 hrs.
 - Max. Voltage at 765kV Substation was recorded as 775kV at 765KV Tirora substation and Min voltage was recorded as 750 kV at 765kV Ektuni substation.
 - Max.Voltage at MSETCL 400 kV Substation recorded as 434 kV at 400KV Nanded and Min voltage was recorded as 375 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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