

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	27969 MW (with Load shedding 0 MW)	02.05.2022	15:00 Hrs.
2	Min. Demand	20676 MW	22.05.2022	19:00 Hrs.
3	Max. Demand Catered	27969 MW	02.05.2022	15:00 Hrs.
4	Energy Catered	18149 MUs		
5	Max. Energy Catered	610 MUs	11.05.2022	
6	Avg. Energy Catered	585 MUs		

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

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	24008 MW (with Load shedding 0 MW)	02.05.2022	15:00 Hrs.
2	Min. Demand	17700 MW	22.05.2022	19:00 Hrs.
3	Max. Demand Catered	24008 MW	02.05.2022	15:00 Hrs.
4	Energy Catered	15684 MUs		
5	Max. Energy Catered	530 MUs	03.05.2022	
6	Avg. Energy Catered	506 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3635 MW	06.05.2022	16:00 Hrs.
2	Min. Demand	2211 MW	13.05.2022	05:00 Hrs.
3	Energy Catered	2176 MUs		
4	Max. Energy Catered	73 MUs	24.05.2022	
5	Avg. Energy Catered	70 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 March - 2022 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	491 MW (with Load shedding 0 MW)	09.05.2022	18:00 Hrs.
2	Min. Demand	217 MW	24.05.2022	02:00 Hrs.
3	Max. Demand Catered	491 MW	09.05.2022	18:00 Hrs.
4	Energy Catered	289 MUs		
5	Max. Energy Catered	10 MUs	16.05.2022	
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 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 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 May - 2022

- For Koyna generation allocated water quota of westward from Koyna dam for electricity generation for water year 21-22 is fully utilized as on 31.05.2022.
 - Wind Generation for the month was 1014 MUs. Average wind generation was 1363 MW/hour.
 - The average grid frequency for the month was 49.99 Hz. The Instantaneous Maximum frequency was 50.26 Hz and Minimum frequency was 49.76 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 7883 MW (hourly max) on 18.05.22 at 16:00 hrs.
 - MSPGCL Thermal actual generation was as low as 5034 MW (hourly min) on 22.05.22 at 14:00 hrs.
 - Max. Voltage at 765kV Substation was recorded as 791 at 765KV Akola substation and Min voltage was recorded as 751 kV at 765kV Ektuni and Akola substation.
 - Max.Voltage at MSETCL 400 kV Substation recorded as 432 kV at 400KV Kalwa and Min voltage was recorded as 373 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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