

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	28016 MW (with Load shedding 0 MW)	24.03.2022	12:00 Hrs.
2	Min. Demand	20120 MW	18.03.2022	19:00 Hrs.
3	Max. Demand Catered	28016 MW	24.03.2022	12:00 Hrs.
4	Energy Catered	17901 MUs		
5	Max. Energy Catered	611 MUs	30.03.2022	
6	Avg. Energy Catered	578 MUs		

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

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	24400 MW (with Load shedding 0 MW)	24.03.2022	12:00 Hrs.
2	Min. Demand	17476 MW	18.03.2022	19:00 Hrs.
3	Max. Demand Catered	24400 MW	24.03.2022	12:00 Hrs.
4	Energy Catered	15741 MUs		
5	Max. Energy Catered	534 MUs	22.03.2022	
6	Avg. Energy Catered	508 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3368 MW	29.03.2022	15:00 Hrs.
2	Min. Demand	1551 MW	01.03.2022	05:00 Hrs.
3	Energy Catered	1888 MUs		
4	Max. Energy Catered	68 MUs	30.03.2022	
5	Avg. Energy Catered	61 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	434 MW (with Load shedding 0 MW)	15.03.2022	19:00 Hrs.
2	Min. Demand	264 MW	05.03.2022	03:00 Hrs.
3	Max. Demand Catered	434 MW	15.03.2022	19:00 Hrs.
4	Energy Catered	272 MUs		
5	Max. Energy Catered	9 MUs	30.03.2022	
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. 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 520 MW and Min. load shedding was recorded as 7 MW. Distressed load shedding is carried out on 28th, 29th and 31st March 2022.
- 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. 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 March - 2022

- The RGPPL Power is scheduled to Railways only.
 - 13.161 TMC of Koyna water is utilized for March – 2022.
 - Wind Generation for the month was 343 MUs. Average wind generation was 461 MW/hour.
 - The average grid frequency for the month was 49.97 Hz. The Instantaneous Maximum frequency was 50.09 Hz and Minimum frequency was 48.89 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 7392 MW (hourly max) on 20.03.22 at 07:00 hrs.
 - MSPGCL Thermal actual generation was as low as 5745 MW (hourly min) on 09.03.22 at 14:00 hrs.
 - Max. Voltage at 765kV Substation was recorded as 795 at 765KV Akola substation and Min voltage was recorded as 749 kV at 765kV Ektuni and Akola substation.
 - Max.Voltage at MSETCL 400 kV Substation recorded as 438 kV at 400KV Kalwa and Min voltage was recorded as 374 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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