


**RIGHT TO INFORMATION**

**Office of The Chief Engineer**  
**Maharashtra State Load Dispatch Center**  
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Date: 18 APR 2024

**Sub: Monthly system overview report for the month of March 2024.**

Please find enclosed herewith the report on “Maharashtra Power System Overview, under frequency operation and load shedding for the month of **March 2024**”

Thanking you,

Yours faithfully,

  
**Mahesh Bhagwat**  
Chief Engineer,  
MSLDC, Airoli

**Note on****Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of March - 2024****Maharashtra system Overview: -**

The overview of Maharashtra system operation for the month of March- 2024 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in March - 2024 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	28735 MW ( with Load shedding 0 MW )	28.03.2024	12:00 Hrs.
2	Min. Demand	21363 MW	04.03.2024	03:00 Hrs.
3	Max. Demand Catered	28735 MW	28.03.2024	12:00 Hrs.
4	Energy Catered	18804 MUs		
5	Max. Energy Catered	644 MUs	28.03.2024	
6	Avg. Energy Catered	606 MUs		

- The power supply position for **MSEDCL** in March - 2024 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	24807 MW ( with Load shedding 0 MW )	12.03.2024	12:00 Hrs.
2	Min. Demand	19067 MW	25.03.2024	19:00 Hrs.
3	Max. Demand Catered	24807 MW	12.03.2024	12:00 Hrs.
4	Energy Catered	16526 MUs		
5	Max. Energy Catered	562 MUs	28.03.2024	
6	Avg. Energy Catered	533 MUs		

- The power supply position for **Mumbai system** in March - 2024 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3550 MW	28.03.2024	12:00 Hrs.
2	Min. Demand	1668 MW	06.03.2024	04:00 Hrs.
3	Energy Catered	1943 MUs		
4	Max. Energy Catered	71 MUs	28.03.2024	
5	Avg. Energy Catered	63 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- 2024 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	527 MW	22.03.2024	18:00 Hrs.
2	Min. Demand	329 MW	19.03.2024	04:00 Hrs.
3	Energy Catered	334 MUs		
4	Max. Energy Catered	11 MUs	21.03.2024	
5	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 527 MW on 11.03.2024 at 11:00 Hrs. due to transmission constraint in Nashik area.
- 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 March- 2024**

- 2.947 TMC of Koyna water is utilized for March – 2024.
  - Wind Generation for the month was 389 Mus. Average wind generation was MW/hour.
  - The average grid frequency for the month was 50.0 Hz. The Instantaneous Maximum frequency was 50.41 Hz and Minimum frequency was 49.59 Hz.
  - MSPGCL Thermal actual generation was as high as 8289 MW (hourly max) on 01.03.24.
  - MSPGCL Thermal actual generation was as low as 5352 MW (hourly min) on 06.03.24
  - Max. Voltage at 765kV Substation was recorded as 791 kV at 765KV Ektuni substation and Min. voltage was recorded as 707 kV at 765kV Ektuni substation.
  - Max.Voltage at MSETCL 400 kV Substation recorded as 433 kV at 400kV New Koyna and Min. voltage was recorded 375 kV at 400 kV Jejuri substation.
  - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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