



**MAHATRANSCO**  
Maharashtra State Electricity Transmission Co. Ltd.  
**MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD.**  
CIN NO. U40109MH2005SGC153646

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Ref: MSLDC/Tech/SO/ **No 01618**

Date: **20 SEP 2023**

To  
The Secretary,  
MERC, Mumbai.

**Sub: Monthly system overview report for the month of August 2023.**

Respected Sir,

Please find enclosed herewith the report on "Maharashtra Power System Overview, under frequency operation and load shedding for the month of August 2023"

Submitted for your kind information please.

Thanking you,

Encl: As above.

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 August - 2023****Maharashtra system Overview: -**

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	27746 MW ( with Load shedding 2986 MW)	31.08.2023	16:00 Hrs.
2	Min. Demand	17729 MW	01.08.2023	03:00 Hrs.
3	Max. Demand Catered	26658 MW	29.08.2023	12:00 Hrs.
4	Energy Catered	16604 MUs		
5	Max. Energy Catered	567 MUs	29.08.2023	
6	Avg. Energy Catered	536 MUs		

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

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	23912 MW ( with Load shedding 2986 MW )	31.08.2023	16:00 Hrs.
2	Min. Demand	15382 MW	01.08.2023	03:00 Hrs.
3	Max. Demand Catered	22938 MW	30.08.2023	12:00 Hrs.
4	Energy Catered	14269 MUs		
5	Max. Energy Catered	489 MUs	30.08.2023	
6	Avg. Energy Catered	460 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3452 MW	18.08.2023	12:00 Hrs.
2	Min. Demand	1942 MW	01.08.2023	05:00 Hrs.
3	Energy Catered	2022 MUs		
4	Max. Energy Catered	69 MUs	31.08.2023	
5	Avg. Energy Catered	65 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 August - 2023 are given below: -

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	509 MW	28.08.2023	18:00 Hrs.
2	Min. Demand	300 MW	12.08.2023	03:00 Hrs.
3	Energy Catered	304 MUs		
4	Max. Energy Catered	11 MUs	31.08.2023	
5	Avg. Energy Catered	10 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 3371 MW on 31.08.2023 at 20:00 Hrs. 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 August- 2023**

- 7.961 TMC of Koyna water is utilized for August – 2023.
  - Wind Generation for the month was 1176 MUs. Average wind generation was 1581 MW/hour.
  - The average grid frequency for the month was 49.99 Hz. The Instantaneous Maximum frequency was 50.28 Hz and Minimum frequency was 49.51 Hz.
  - MSPGCL Thermal actual generation was as high as 6393 MW (hourly max) on 30.08.23.
  - MSPGCL Thermal actual generation was as low as 4122 MW (hourly min) on 03.08.23.
  - Max. Voltage at 765kV Substation was recorded as 791 kV at 765KV Ektuni substation and Min. voltage was recorded as 749 kV at 765kV Tirora substation.
  - Max.Voltage at MSETCL 400 kV Substation recorded as 434 kV at 400kV Kalwa and Min. voltage was recorded 373 kV at 400 kV Kudus substations.
  - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month.
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