

 <b>MAHATRANSCO</b> Maharashtra State Electricity Transmission Co. Ltd.	<b>MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD.</b> <b>CIN NO. U40109MH2005SGC153646</b> <b>Maharashtra State Load Dispatch Center</b> <b>Office of The Chief Engineer</b> Maharashtra State Load Dispatch Centre, Thane-Belapur Road, P.O. Airoli, Navi Mumbai Pin – 400 708. Tele :91-22-27601765/1766/1931/2937, Fax :91-22-27601769/2936 Email : <a href="mailto:cesldc@mahasldc.in">cesldc@mahasldc.in</a> Website : <a href="http://www.mahasldc.in">http://www.mahasldc.in</a>	 <b>RIGHT INFORMATION</b>	
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Ref: MSLDC/Tech/SO/

**No 00867**

Date: **10 MAY 2022**

To  
The Secretary,  
MERC, Mumbai.

**Sub: Monthly system overview report for the month of April 2022.**

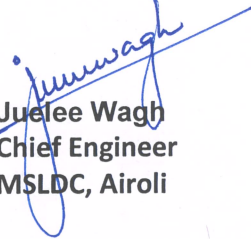
Respected Sir,

Please find enclosed herewith the report on "Maharashtra Power System Overview, under frequency operation and load shedding for the month of April 2022"

Submitted for your kind information please.

Thanking you,

Encl: As above.

  
**Julee Wagh**  
Chief Engineer  
MSLDC, Airoli

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

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

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	28845 MW ( with Load shedding 2059 MW)	14.04.2022	15:00 Hrs.
2	Min. Demand	22386 MW	24.04.2022	08:00 Hrs.
3	Max. Demand Catered	28354 MW	28.04.2022	16:00 Hrs.
4	Energy Catered	18199.814 MUs		
5	Max. Energy Catered	627.8 MUs	28.04.2022	
6	Avg. Energy Catered	606.7 MUs		

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

Sr No.	Particulars	Recorded Demand /Requirement	Date	Time
1	Max. Demand	25144 MW ( with Load shedding 2059 MW )	14.04.2022	15:00 Hrs.
2	Min. Demand	19552 MW	02.04.2022	19:00 Hrs.
3	Max. Demand Catered	24571 MW	04.04.2022	15:00 Hrs.
4	Energy Catered	15862.204 MUs		
5	Max. Energy Catered	542.4 MUs	22.03.2022	
6	Avg. Energy Catered	528.7 MUs		

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

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3851 MW	28.04.2022	16:00 Hrs.
2	Min. Demand	2049 MW	01.04.2022	05:00 Hrs.
3	Energy Catered	2065 MUs		
4	Max. Energy Catered	77.10 MUs	29.04.2022	
5	Avg. Energy Catered	68.8 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	464.585 MW ( with Load shedding 0 MW )	25.04.2022	18:00 Hrs.
2	Min. Demand	259.423 MW	13.04.2022	04:00 Hrs.
3	Max. Demand Catered	464.585 MW	25.04.2022	18:00 Hrs.
4	Energy Catered	272.623 MUs		
5	Max. Energy Catered	9.5 MUs	25.04.2022	
6	Avg. Energy Catered	9.1 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. Now 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 2357 MW on 12.04.2022 and Min. load shedding was recorded as 11 MW on 06.04.2022. Distressed load shedding is carried out as per the system requirement during the month.
- 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 April - 2022**

- For Koyna generation allocated water quota of westward from Koyna dam for electricity generation 67.5TMC as per KWDT. Additional 10.00 TMC is allocated for water year FY 21-22 so total TMC available is 77.5 out of that 70.663 TMC of Koyna water is utilized as on 30.04.2022 and total balance water 6.837 TMC is available for May – 2022.
  - Wind Generation for the month was 432 MUs. Average wind generation was 600 MW/hour.
  - The average grid frequency for the month was 49.90 Hz. The Instantaneous Maximum frequency was 50.03 Hz and Minimum frequency was 49.83 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 7827 MW (hourly max) on 28.04.22 at 11:00 hrs.
  - MSPGCL Thermal actual generation was as low as 6157 MW (hourly min) on 11.04.22 at 13:00 hrs.
  - Max. Voltage at 765kV Substation was recorded as 800 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 433 kV at 400KV Jaigad and Min voltage was recorded as 369 at 400KV Jejuri.
  - There was no planned load shedding in Mumbai area (BEST, AEML-D and TPC-D) during the month. DLS was implemented on 26.04.2022 in MMR region due to bus fault at 400kV Padghe.
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