

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of June -2018****Maharashtra system Overview:-**

The overview of Maharashtra system operation for the month of June-2018 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in June-2018 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	22389 MW (with Load shedding 178 MW)	01.06.2018	15:00 Hrs
2	Min. Demand	14781.5 MW	26.06.2018	04:00 Hrs
3	Max. Demand Catered	22211 MW	01.06.2018	15:00 Hrs
4	Energy Catered	13050 Mus		
5	Max. Energy Catered	475.598 Mus	14.06.2018	
6	Avg. Energy Catered	435 Mus		

- The power supply position for **MSEDCL** in June-2018 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	18768.304 MW (with Load shedding 178 MW)	01.06.2018	15:00 Hrs
2	Min. Demand	12982.04 MW	27.06.2018	02:00 Hrs
3	Max. Demand Catered	18590 MW	01.06.2018	15:00 Hrs
4	Energy Catered	11121.538 Mus		
5	Max. Energy Catered	404.302 Mus	14.06.2018	
6	Avg. Energy Catered	370.72 Mus		

- The power supply position for **Mumbai system** in June-2018 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3621 MW	01.06.2018	15:00 Hrs
2	Min. Demand	1638 MW	25.06.2018	05:00 Hrs
3	Energy Catered	1928.81 Mus		
4	Max. Energy Catered	74.623 Mus	01.06.2018	
5	Avg. Energy Catered	64.29 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 464 MW on dt. 01.06.2017 at 17.00 hrs. and Min. load shedding was recorded as 0 MW. Average load shedding quantum for the month was 5.375 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 the new load shedding circular w.e.f. 17.09.2017 vide MSEDCL letter no. ED-I/Ag Time Change/22352 dt, 15.09.2017, 3 phase supply to AG loads will be 10/8 Hrs. w.e.f. 17.09.2017.

Other Highlights of Maharashtra System in June-2018

- The RGPPL Power is scheduled to Railways only.
 - 3.598 TMC of Koyna water was utilized for June-2018.
 - Wind Generation for the month was 1032.65 Mus. Average wind generation was 1434 MW/hour.
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- The average grid frequency for the month was 49.97 Hz. The Instantaneous Maximum frequency was 50.14 Hz and Minimum frequency was 49.74 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 5915 MW (hourly max) on 02/06/2018 at 14:00 hrs.
 - MSPGCL Thermal actual generation was as low as 3570 MW (hourly min) on 29/06/2018 at 18:00 hrs.
 - Max. Voltage at 765KV Substation was recorded at 765KV Akola substation i.e 789 KV and Min voltage was recorded at 765KV Akola substation i.e 704 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Nanded i.e 439 kV and Min voltage was recorded at 400KV Jejuri i.e 381 kV
 - Load shedding was carried out in Mumbai area (BEST, R-infra-D and TPC-D) and MSEDCL on 01/06/2018 and 02/06/2018 due to failure of 600 MVA ICT No 2 at 400 kV Kalwa s/s on 01.06.2018.
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