

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of June-2016.****Maharashtra system Overview:-**

The overview of Maharashtra system operation for the month of June-2016 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in June -2016 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	20318 MW (with Load shedding 842 MW)	01.06.2016	16:00 Hrs
2	Min. Demand	12558 MW	30.06.2016	04:00 Hrs
3	Max . Demand Catered	19700 MW	01.06.2016	12:00 Hrs
4	Energy Catered	11874 Mus		
5	Max. Energy Catered	436.7Mus	01.06.2016	
6	Avg. Energy Catered	395.8 Mus		

- The power supply position for **MSEDCL** in June-2016 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	16779 MW (with Load shedding 842 MW)	01.06.2016	16:00 Hrs
2	Min. Demand	10906 MW	30.06.2016	04:00 Hrs
3	Max . Demand Catered	16228 MW	01.06.2016	12:00 Hrs
4	Energy Catered	9943 Mus		
5	Max. Energy Catered	365.4 Mus	01.06.2016	
6	Avg. Energy Catered	331.4 Mus		

- The power supply position for **Mumbai system** in June-2016 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3581 MW	09.06.2016	16:00 Hrs
2	Min. Demand	1621 MW	27.06.2016	04:00 Hrs
4	Energy Catered	1931 Mus		
5	Max. Energy Catered	72.3 Mus	10.06.2016	
6	Avg. Energy Catered	64.4 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 1396 MW on 21/06/2016 at 16:00 Hrs. and Min. load shedding was recorded as 3 MW on 21/06/2016 at 10:00 Hrs. Average load shedding quantum for the month was 23.44 MW.
- Planned load shedding for load relief is carried out in MSEDCL area to mitigate the availability in real time if required. In addition, AG-LM load management scheme was in force for defined hours, as per the load shedding circular.
- There was no distress load shedding due to shortfall of supply during the month.

Other Highlights of Maharashtra System in June-16.

- RGPPL one block is on bar. The RGPPL Power is scheduled to Railways only.
 - 1.54 TMC of Koyna water was utilized for June-2016.
 - Wind Generation for the month was 884 Mus. Average wind generation was 1228 MW/hour.
 - The average grid frequency for the month was 49.97 Hz. The Instantaneous Maximum frequency was 50.33Hz. and Minimum frequency was 49.62 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 6270 MW (hourly max) on 04/06/2016 at 13:00 hrs.
 - MSPGCL Thermal actual generation was as low as 4058 MW (hourly min) on 18/06/2016 at 18:00 hrs.
 - **MSPGCL Chandrapur Unit 8 (500MW) C.O.D w.e.f. 04.06.2016 at 00:00 hrs**
 - Max. Voltage at 765KV Substation was recorded at 765KV Ektuni substation i.e 791 KV and Min voltage was recorded at 765KV Tiroda substation i.e 739 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Nanded Substation i.e 439 kV and Min voltage was recorded at 400KV Chakan i.e 381 kV
 - There was load shedding implemented in Mumbai area (i.e. R-Infra-D, and TPC-D) due to Tower collapse at Loc.no.26 of 220KV Kalwa-salsette ckt no. 3 and 4 on dt.29.06.16 and 30.06.16 to control overloading of 220KV Kalwa-Salsette no. 6 and 220KV Kalwa-Borivali line.
 - DLS implemented by TPCL and R-infra of about 80-330MW on 29.06.2016 (between 08:00 hrs to 14:50 Hrs) and about 7 to 39 MW on 30.06.2016 (between 10:30 Hrs to 11:41 Hrs) in following area of Mumbai:- Borivali, Malad, Anderi west, Juhu, Goregaon East, Versova and Saki are of Bhandup, IIT and Hiranandani Powai, Vileparle, Jogeshawari, Kurla road, Sahar road, Seepz, mahakali caves road, Miraroad, Dahisar, Dindoshi , Shimpoli, Kandivali, Thakur village, Mira Bhaynder,
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