

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 14/Jul/2022 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	101.311	1683.503	1) Gujrat	-10.548	-135.853
2) Hydro	10.040	143.570	2) Madhya Pradesh	3.175	59.920
3) Gas	3.231	59.020	3) Chattisgarh	4.620	53.410
Total MSPGCL	114.582	1886.093	4) Maharashtra	119.605	2006.614
B) 1) APLM	43.428	635.337	5) Goa (Amona)	-1.705	-20.329
2) JSWEL	10.909	189.325	Total	115.147	1963.762
3) VIPL	0.000	0.000	a) Mumbai Schedule	34.213	480.859
4) RPL(AMT)	22.039	283.901	b) Mumbai Drawl	36.262	509.850
5) SWPGPL	7.021	108.133	c) MSEDCL Bilateral *	78.250	1093.845
6) Other IPP	6.089	99.806	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	34.213	478.815
C) 1) TPCL Thermal	10.852	132.121	Include PX	0.000	0.000
2) TPCL Hydro	7.227	48.953	Standby	0.000	2.044
3) TPCL Gas	0.000	6.389	H) ENERGY CATERED (MUs)		
4) AEML Thermal	3.978	123.387	1) MSEDCL	348.183	5345.033
D) STATE			2) Mumbai Discoms	58.319	820.701
1) Thermal	205.627	3255.513	3) Other Discoms	8.427	122.872
(A1+C1+C4+(B1-B6))			TOTAL STATE	414.929	6288.606
2) Hydro (A2+C2)	17.267	192.523			
3) Gas (A3+B7+C3)	3.231	65.409			
4) Wind	69.038	731.600			
6) SOLAR	4.619	79.798			
TOTAL STATE	299.782	4324.843			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 18 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4231	4660	4728	3638
MSPGCL Hydro	400	536	826	374
MSPGCL Gas	140	129	130	139
MSPGCL Total Generation	4771	5325	5684	4151
Central Sector Receipt	6228	4995	5080	3427
WIND	2779	3021	2851	2898
CPP / IPP Thermal	4119	3579	4572	3541
CPP / IPP Gas	0	0	0	0
SOLAR	373	187	0	0
Exchange with Mumbai	-1904	-1703	-1736	-999
MSEDCL DEMAND MET	15983	15037	16054	12732
Load Shedding	0	0	0	0
MSEDCL DEMAND	15983	15037	16054	12732
TPCL GENERATION	738	816	745	595
AEML GENERATION	166	170	167	168
MUMBAI DEMAND	2808	2689	2648	1762
OTHER DISCOM DEMAND	383	366	397	286
STATE DEMAND MET	19174	18093	19099	14780
STATE DEMAND	19174	18093	19099	14780
Frequency (Hz)	50.04	49.91	49.89	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.3 Hz at 13.12 Hrs	49.62 Hz at 16.20 Hrs	50	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Daily and Progressive Generation,Maximum,Minimum for 14/Jul/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	1.89	31.60	130	40
Unit 7	0.00	0.00	0	0
Unit 8	0.00	43.27	0	0
Unit 9	9.42	71.54	455	325
Unit 10	9.67	154.65	445	345
Total	20.98	301.06		
Bhusawal				
Unit 3	2.54	40.54	115	95
Unit 4	6.82	119.12	375	160
Unit 5	4.36	105.40	295	0
Total	13.72	265.06		
Parli				
Unit 6	4.19	65.26	244	150
Unit 7	3.05	48.63	174	36
Unit 8	2.66	8.83	154	0
Total	9.90	122.71		
Chandrapur				
Unit 3	0.00	20.97	0	0
Unit 4	2.08	33.30	103	79
Unit 5	2.73	95.37	280	0
Unit 6	4.54	86.56	235	100
Unit 7	0.00	0.00	0	0
Unit 8	8.22	133.91	390	281
Unit 9	8.59	135.67	406	292
Total	26.16	505.78		
Paras				
Unit 3	3.19	55.42	160	122
Unit 4	3.20	54.58	157	107
Total	6.38	110.00		
Khaparkheda				
Unit 1	3.02	39.65	135	110
Unit 2	3.15	41.80	160	110
Unit 3	3.78	42.93	185	130
Unit 4	3.26	5.58	156	123
Unit 5	8.78	132.33	460	280
Total	21.99	262.28		
Nasik				
Unit 3	1.32	45.34	89	32
Unit 4	0.86	39.36	54	0
Unit 5	0.00	31.92	0	0
Total	2.18	116.62		
Uran				
All Units	3.23	59.02	140	128
Total	3.23	59.02		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		
PENCH (MS)				
Pench (MS)	0.06	1.58	24	0
Total	0.06	1.58		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	2.18	27.05	420	40
Stage 4	0.12	8.16	65	0
Stage 3	0.95	17.66	80	0
Total	3.24	52.86		
Hydro				
KDPH	0.52	1.28	34	16
VTRNA	1.10	8.73	61	0
TILLARI	0.48	4.90	58	0
BHIRA T.R.	0.50	4.87	60	0
SMLHY_PTN	4.14	69.36	186	157
GHATGHAR	0.00	0.00	0	0
Total	6.74	89.13		
Wind				
Total	69.04	731.60	0	0
Total	69.04	731.60		
CPP				
APML(Mus)	43.43	635.34	0	0
JSWEL(Mus)	10.91	189.32	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	22.04	283.90	0	0
SWPGPL-Mus	7.02	108.13	0	0
Other(Mus)	6.09	99.81	0	0
Total	89.49	1316.50		
SOLAR				
Total	4.62	79.80	0	0
Total	4.62	79.80		
Tata				
Trombay 5	6.98	76.66	445	259
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.00	3.82	0	0
Trombay 7B	0.00	2.57	0	0
TATA Hydro	7.23	48.95	389	197
Trombay 8	3.88	55.46	234	130
Total	18.08	187.46		
AEML				
DTPS U-1&2	3.98	123.39	170	159
Total	3.98	123.39		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	101.31	1683.50	MSPGCL Total	114.58	1886.09
			MSPGCL Thml+Gas	104.54	1742.52	Koyna 1,2 & 4 Total	2.29	35.21
			MSPGCL Hydro	10.04	143.57	State Total	299.78	4324.84

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Jul/2022

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	LOAD SHED DING	MSEDC L DEM. WITH LS	MUMBAI DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	4354	373	128	4855	3376	3335	0	0	3044	2909	-1211	12937	0	12937	2042	327	15306	50.03
2	4359	366	139	4864	3050	3211	0	0	2935	3061	-1089	12784	0	12784	1919	313	15016	50.01
3	3631	369	130	4130	2963	3278	0	0	3235	3709	-1015	12774	0	12774	1816	291	14881	50.00
4	3638	374	139	4151	2898	3541	0	0	3487	3427	-999	12732	0	12732	1762	286	14780	50.02
5	3733	370	137	4240	2990	3467	0	0	3762	3800	-1001	13211	0	13211	1764	285	15260	50.00
6	3901	336	139	4376	2834	3924	0	0	4368	4129	-1094	13848	0	13848	1887	321	16056	50.01
7	3897	359	129	4385	2744	4454	0	22	5113	5043	-1196	15099	0	15099	2030	353	17482	50.02
8	4037	380	140	4557	2711	4279	0	123	5734	5910	-1383	15840	0	15840	2221	357	18418	50.06
9	4175	365	129	4669	2641	4121	0	229	6077	6495	-1644	16143	0	16143	2523	368	19034	50.04
10	4231	400	140	4771	2779	4119	0	373	6496	6228	-1904	15983	0	15983	2808	383	19174	50.04
11	4149	360	129	4638	2763	3673	0	475	6729	6505	-2038	15635	0	15635	2998	381	19014	50.00
12	4081	356	138	4575	2720	3302	0	455	6299	6199	-1913	14963	0	14963	3048	375	18386	50.02
13	3936	346	129	4411	2709	3082	0	590	6159	5766	-1795	14396	0	14396	2961	368	17724	49.99
14	3890	337	139	4366	2829	3121	0	631	5393	5146	-1675	14061	0	14061	2807	357	17225	50.15
15	4048	332	129	4509	2852	3122	0	622	5145	4961	-1688	14010	0	14010	2771	367	17149	49.94
16	4217	426	140	4783	3007	3106	0	492	5069	4776	-1704	14092	0	14092	2752	368	17212	49.90
17	4281	589	140	5010	2991	3130	0	381	5009	4821	-1716	14257	0	14257	2730	361	17347	49.86
18	4660	536	129	5325	3021	3579	0	187	4837	4995	-1703	15037	0	15037	2689	366	18093	49.91
19	4690	519	140	5349	3035	4111	0	39	5007	5361	-1767	15745	0	15745	2670	383	18798	50.03
20	4728	826	130	5684	2851	4572	0	0	5009	5080	-1736	16054	0	16054	2648	397	19099	49.89
21	4777	541	139	5457	2945	4632	0	0	4867	4872	-1645	15889	0	15889	2553	372	18814	50.01
22	4742	438	140	5320	2829	4441	0	0	4480	4325	-1540	15019	0	15019	2430	356	17805	50.01
23	4737	426	129	5292	2743	4141	0	0	3764	3799	-1461	14165	0	14165	2311	349	16825	50.02
24	4419	316	130	4865	2757	3744	0	0	3807	3830	-1345	13510	0	13510	2179	342	16030	49.99
MUs	101.31	10.04	3.23	114.58	69.04	89.49	0.00	4.62	115.83	115.15	-36.26	348.18	0.00	348.18	58.32	8.43	414.93	50.00

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

State Load Despatch Center,Airoli (MSETCL) Statement-VI

Details of Generating Unit Outages/Trippings for 14/Jul/2022

Position as on 6.30 Hrs of 15/Jul/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Chandrapur Unit 7	500	15/06/2022	05:01		Continued.	Annual Overhaul	17/07/2022
MSPGCL	Koyna Unit 9	80	15/06/2022	08:00		Continued.	Capital Overhaul	30/09/2022
IPP	Adani U-2	660	25/06/2022	04:18		Continued.	Annual Overhaul	22/07/2022
MSPGCL	Koradi Unit 8	660	04/07/2022	21:55		Continued.	Annual Overhaul	10/08/2022
FORCED OUTAGE								
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	No PPA	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage. (NO PPA From 20.05.2019)	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal shortage.(NO PPA From 20.05.2019)	
CENT.SECTOR	Tarapur 1	160	08/01/2020	10:37		Continued.	Refueling. While refueling preparation, some repair works identified which are being executed before refueling.	31/03/2023
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	22/10/2022
CENT.SECTOR	Tarapur 2	160	13/07/2020	04:38		Continued.	For cleaning of clogged basket strainer of cooling water system due to heavy ingress of debris from sea. The outage extended for repair and re-fueling.	31/03/2023
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Retired (04/08/2021 At 00.00)	
IPP	JSW (J) U1	300	16/03/2022	23:16		Continued.	Turbine Vibration	15/07/2022
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	01/09/2022
MSPGCL	Ghatghar Unit-2	125	18/06/2022	10:00		Continued.	for Hydraulic Intake Gate Work	15/07/2022
MSPGCL	Uran Unit B0	120	24/06/2022	06:28		Continued.	Excitation channel fault(Converted to Gas Shortage from 26-06-22)	
MSPGCL	Uran Unit 8	108	24/06/2022	15:33		Continued.	Gas shortage	
IPP	RPL(AMT) U-3	270	30/06/2022	15:00		Continued.	Coal Shortage	
IPP	JSW (J) U4	300	01/07/2022	13:03		Continued.	Turbine bearing Vibration high	15/07/2022
IPP	SWPGPL U-1	135	04/07/2022	02:38		Continued.	PA Fan problem	15/07/2022
MSPGCL	Uran Unit 6	108	06/07/2022	17:51		Continued.	Gas shortage	
MSPGCL	Koyna STG-IV Unit-1	250	06/07/2022	18:30		Continued.	Governor problem	16/07/2022
TPC-G	Trombay 7A	120	07/07/2022	01:09		Continued.	Gas shortage	
TPC-G	Trombay 7B	60	07/07/2022	01:21		Continued.	Gas shortage	
MSPGCL	Chandrapur Unit 3	210	09/07/2022	11:58		Continued.	Furnace Pressure High	16/07/2022
MSPGCL	Nasik Unit 5	210	11/07/2022	17:00		Continued.	WET COAL	
AEML	AEML Unit 2	250	13/07/2022	00:38		Continued.	Coal Shortage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 14/Jul/2022

Position as on 6.30 Hrs of 15/Jul/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	JSW (J) U2	300	13/07/2022	09:35	14/07/2022	03:45	CW Duct leakage.	
MSPGCL	Bhusawal Unit 5	500	14/07/2022	01:48	14/07/2022	09:05	both ID fans off	14/07/2022
MSPGCL	Chandrapur Unit 5	500	14/07/2022	02:03	14/07/2022	15:16	UAT-5C TRIP ON EARTH FAULT.	15/07/2022
MSPGCL	Parli Unit 8	250	14/07/2022	02:05	14/07/2022	07:18	Generator Protection operated	15/07/2022
IPP	SWPGPL U-3	135	14/07/2022	14:58		Continued.	FD Fan Problem.	17/07/2022
MSPGCL	Nasik Unit 4	210	14/07/2022	19:55		Continued.	Wet Coal Problem.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jul/2022

Statement-VII

Position as on 6.30 Hrs of 15/Jul/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	15/07/2022	03:06			PO	Oil Filtration of Pole-2 R-ph Converter Transformer due to Increase in dissolve gases and PPM as per recommended by OEM to immediately taken out the converter transformer and carry out hot oil circulation (HOC) to improve the oil property
400 KV MAINBAY Outages/Trippings							
400KV MAIN BAY 413 OF SPARE BAY @ CHANDRAPUR 2	InterState	23/06/2022	20:33			EO	for requirement of trip coil material from 400 kv spare bay 413 CB and utilise it in 400 kv Warora Ckt 2 CB 425
MAIN BAY (431) OF 167 MVA SPARE ICT @ KORADI II	IntraState	16/06/2022	11:23			PO	1) Premonsoon maintenance work& 2) Routine Bay Maintenance.
400 KV LINE Outages/Trippings							
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	30/06/2022	07:24			HT	H/T FOR CONTROLLING LINE LOADING
KHADKA-AURANGABAD (WALUJ)	IntraState	10/07/2022	17:30			HT	To control OV
NEW KOYNA - DABHOL CKT - 1	IntraState	15/07/2022	03:30	15/07/2022	07:22	T	Overvoltage Protection
220 KV MAINBAY Outages/Trippings							
AIS 220KV BUS COUPLER @ GHODBUNDER	IntraState	14/07/2022	09:39	14/07/2022	11:10	PO	Pre mansoon Maintenance
220 KV LINE Outages/Trippings							
NALASOPARA - BOISAR PG	InterState	14/07/2022	06:06	14/07/2022	17:47	T	Tripped on Distance Protection.
NALASOPARA - BOISAR PG	InterState	15/07/2022	01:43	15/07/2022	02:21	T	Distance Protection
EKLAHARA(GCR)(NASIK)-BABLESHWAR 2	IntraState	27/04/2022	12:21			EO	Shifting of 220kv GCR-BBLR-2 line on 220kv TBC bay.
TATA BORIVLI MSETCL BORIVLI - 5	IntraState	11/07/2022	09:29	14/07/2022	00:31	PO	Relay replacement at MSETCL Bor Project work.
POPHALI - KDPH	IntraState	12/07/2022	23:30	14/07/2022	00:35	T	TRIPPED ON DIST.PROTECTION
TROMBAY - SALSETTE CKT - 1	IntraState	14/07/2022	00:55	14/07/2022	06:24	PO	METRO-4 WORK-ERECTION OF 46 A TOWER
TROMBAY SALSETTE LINE-2	IntraState	14/07/2022	01:05	14/07/2022	06:24	PO	METRO-4 WORK-ERECTION OF 46 A TOWER
BORIVALI - CTRLS CKT	IntraState	14/07/2022	03:22	14/07/2022	10:25	T	Tripped on Distance Protection.
NERLE - PEDAMBE	IntraState	14/07/2022	05:23	14/07/2022	15:44	T	Conductor snapping CT to isolator at Pedhambhe end
NERLE- POPHALI	IntraState	14/07/2022	08:43	14/07/2022	15:44	T	Y ph CB pole burst at Nerle end
EKLAHARE (OCR) - NAVASARI CKT - 1	IntraState	14/07/2022	09:32			HT	HT from Navsary end for load management purpose
VANKUSWADE - AJINKYATARA	IntraState	14/07/2022	11:12	14/07/2022	15:28	PO	Replacement of flashover disc insulator strings at Loc No.78Y Ph
KARAD - NERLE	IntraState	14/07/2022	12:03	14/07/2022	12:20	T	Tripped at Nerle end due to bus fault at Nerle ss
IPCL - SPCL	IntraState	14/07/2022	21:43			T	tripped on DT
TROMBAY - SALSETTE CKT - 1	IntraState	14/07/2022	23:18	15/07/2022	07:38	PO	METRO-4 WORK-ERECTION OF 46 A TOWER
TROMBAY SALSETTE LINE-2	IntraState	14/07/2022	23:25	15/07/2022	07:42	PO	METRO-4 WORK-ERECTION OF 46 A TOWER
220 KV ICT Outages/Trippings							
220 / 110 / 22kv 250 MVA ICT 1 @ SALSETTE	IntraState	12/10/2020	11:35			T	Tripped due to Grid disturbance.
220/22 KV 50 MVA PTR 1 @ KANDALGAON	IntraState	14/12/2021	16:55			EO	For dismantailing said 50MVA T/f 1 at 220 kv K'gaon S/s
220/132 KV 200MVA ICT NO 1 @ THEUR	IntraState	14/07/2022	09:03	14/07/2022	18:02	PO	ICT1 LV Bay & Stub bus strengthning work

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jul/2022

Statement-VII

Position as on 6.30 Hrs of 15/Jul/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/22 KV 50 MVA PTR 2 @ LONIKAND	IntraState	14/07/2022	11:20	14/07/2022	16:38	PO	Annual Relay Testing
110 KV LINE Outages/Trippings							
DHARAVI VIKHROLI	IntraState	30/08/2021	00:03			PO	Shifting of OPGW and stringing of conductor of 220 kV Trombay-Dharavi- Salsette line and replacement and shifting of conductor of Dharavi Powai and Dharavi Vikhroli line on new tower and dismantling old towers in section 32 to 38. 110 KV Vikhroli Powai line will be formed for dual feed to Vikhroli and Powai.
DHARAVI POWAI	IntraState	30/08/2021	00:03			PO	Shifting of OPGW and stringing of conductor of 220 kV Trombay-Dharavi- Salsette line and replacement and shifting of conductor of Dharavi Powai and Dharavi Vikhroli line on new tower and dismantling old towers in section 32 to 38. 110 KV Vikhroli Powai line will be formed for dual feed to Vikhroli and Powai.
WAGHIVALI - MANKHURD	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringining of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shfiting these lines on new Multicircuit Towers between Darave to Vashi.
WAGHIVALI - CHEMBUR	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringining of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shfiting these lines on new Multicircuit Towers between Darave to Vashi.

HT : Hand Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage