

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 07/May/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	165.998	1018.547	1) Gujrat	-2.002	-25.373
2) Hydro	14.142	139.127	2) Madhya Pradesh	7.774	60.661
3) Gas	3.782	40.591	3) Chattisgarh	5.320	42.670
Total MSPGCL	183.922	1198.265	4) Maharashtra	200.452	1394.922
B) 1) APML	39.976	275.797	5) Goa (Amona)	-0.923	-8.327
2) JSWEL	19.440	137.370	Total	210.621	1464.553
3) VIPL	0.000	0.000	a) Mumbai Schedule	34.282	261.045
4) RPL(AMT)	24.669	173.805	b) Mumbai Drawl	38.203	286.201
5) SWPGPL	9.435	65.262	c) MSEDCL Bilateral *	92.815	657.305
6) Other IPP	10.413	91.686	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	34.282	261.045
C) 1) TPCL Thermal	10.217	74.163	Include PX	0.000	0.000
2) TPCL Hydro	1.826	18.996	Standby	0.000	0.000
3) TPCL Gas	2.185	16.544	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.766	67.009	1) MSEDCL	476.171	3227.414
D) STATE			2) Mumbai Discoms	61.197	462.913
1) Thermal	288.914	1903.639	3) Other Discoms	9.784	71.523
(A1+C1+C4+(B1-B6))			TOTAL STATE	547.152	3761.850
2) Hydro (A2+C2)	15.968	158.123			
3) Gas (A3+B7+C3)	5.967	57.135			
4) Wind	11.568	79.491			
6) SOLAR	14.114	98.909			
TOTAL STATE	336.531	2297.297			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	6979	6849	6885	7300
MSPGCL Hydro	235	163	874	989
MSPGCL Gas	134	128	169	140
MSPGCL Total Generation	7348	7140	7928	8429
Central Sector Receipt	9369	9160	8164	8061
WIND	293	294	675	463
CPP / IPP Thermal	3876	4069	4872	4556
CPP / IPP Gas	0	0	0	0
SOLAR	1878	1873	0	0
Exchange with Mumbai	-1761	-1768	-1534	-1497
MSEDCL DEMAND MET	20562	20346	19655	19697
Load Shedding	0	0	0	0
MSEDCL DEMAND	20562	20346	19655	19697
TPCL GENERATION	535	533	654	523
AEML GENERATION	318	316	429	353
MUMBAI DEMAND	2614	2617	2617	2373
OTHER DISCOM DEMAND	441	422	450	315
STATE DEMAND MET	23617	23385	22722	22385
STATE DEMAND	23617	23385	22722	22385
Frequency (Hz)	49.94	49.86	49.94	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.28 Hz at 16.02 Hrs	49.78 Hz at 12.29 Hrs	49.99	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 07/May/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.68	30.21	205	185
Unit 8	13.63	46.98	602	500
Unit 9	12.79	88.46	587	460
Unit 10	11.62	12.42	505	455
Total	42.72	178.07		
Bhusawal				
Unit 3	3.28	23.55	150	125
Unit 4	0.00	48.24	0	0
Unit 5	10.83	73.42	480	420
Total	14.10	145.21		
Parli				
Unit 6	5.01	37.43	245	147
Unit 7	4.61	15.06	237	144
Unit 8	4.60	32.37	225	146
Total	14.22	84.86		
Chandrapur				
Unit 3	3.62	25.01	165	125
Unit 4	3.63	14.71	160	107
Unit 5	9.44	32.29	414	345
Unit 6	9.49	61.99	415	345
Unit 7	9.30	59.47	424	326
Unit 8	5.53	67.49	474	0
Unit 9	10.87	72.26	473	435
Total	51.87	333.20		
Paras				
Unit 3	4.82	31.05	210	190
Unit 4	4.80	31.99	218	182
Total	9.63	63.04		
Khaparkheda				
Unit 1	3.13	21.30	140	115
Unit 2	3.25	21.67	142	118
Unit 3	4.09	28.83	182	136
Unit 4	3.94	29.59	193	135
Unit 5	11.66	58.22	500	465
Total	26.07	159.60		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.87	28.07	178	125
Unit 5	3.52	26.50	162	120
Total	7.39	54.57		
Uran				
All Units	3.78	40.59	271	128
Total	3.78	40.59		
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)	0.02	0.07	12	0
Total	0.02	0.07		
Koyna				
Stage 1-2	2.78	31.17	390	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	5.63	61.00	903	0
Stage 3	1.81	20.13	320	0
Total	10.22	112.30		
Hydro				
KDPH	0.71	5.11	30	29
VTRNA	1.17	8.16	60	0
TILLARI	0.00	0.23	0	0
BHIRA T.R.	0.12	0.85	40	0
SMLHY_PTN	1.90	12.40	102	64
GHATGHAR	0.00	0.00	0	0
Total	3.90	26.76		
Wind				
Total	11.57	79.49	0	0
Total	11.57	79.49		
CPP				
APML(Mus)	39.98	275.80	0	0
JSWEL(Mus)	19.44	137.37	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	24.67	173.80	0	0
SWPGPL-Mus	9.44	65.26	0	0
Dhariwal	0.00	16.14	0	0
IEPL	4.76	32.82	210	196
Other(Mus)	5.66	42.72	0	0
Total	103.93	743.92		
SOLAR				
Total	14.11	98.91	0	0
Total	14.11	98.91		
Tata				
Trombay 5	6.74	48.47	390	267
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.19	9.27	59	43
Trombay 7B	1.00	7.27	49	37
TATA Hydro	1.83	19.00	232	3
Trombay 8	3.47	25.69	227	131
Total	14.23	109.70		
AEML				
DTPS U-1&2	8.77	67.01	491	286
Total	8.77	67.01		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	166.00	1018.55	MSPGCL Total	183.92	1198.26
			MSPGCL Thml+Gas	169.78	1059.14	Koyna 1,2 & 4 Total	8.41	92.17
			MSPGCL Hydro	14.14	139.13	State Total	336.53	2297.30

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 07/May/2023

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	Load Shedding		MSEDC L DEM. WITH LS	MUMBAI DEMAND	OTHER DISCOM DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS						Planned	Transmission Constraint					
1	7151	1717	139	9007	417	4637	0	0	8326	8270	-1383	20572	0	0	20572	2797	376	23745	50.01
2	7239	1382	138	8759	466	4574	0	0	8457	8171	-1447	20173	0	0	20173	2635	350	23158	50.00
3	7275	1256	139	8670	573	4560	0	0	8052	8073	-1481	20069	0	0	20069	2489	326	22884	49.98
4	7300	989	140	8429	463	4556	0	0	8255	8061	-1497	19697	0	0	19697	2373	315	22385	50.00
5	7293	962	132	8387	500	4525	0	0	8592	8881	-1484	20477	0	0	20477	2301	332	23110	50.02
6	7228	906	140	8274	488	4474	0	0	8971	8850	-1490	20230	0	6	20230	2315	366	22911	50.01
7	7209	396	140	7745	456	4389	0	105	9058	9041	-1487	19854	0	0	19854	2278	395	22527	50.02
8	7294	265	141	7700	486	4216	0	457	8828	8886	-1489	19848	0	2	19848	2281	408	22537	49.98
9	7064	251	139	7454	463	3833	0	978	9248	8863	-1547	19605	0	4	19605	2354	439	22398	49.98
10	6772	201	138	7111	355	3647	0	1435	9496	9376	-1594	19897	0	1	19897	2432	433	22762	49.99
11	6611	208	136	6955	294	3695	0	1631	9378	9533	-1695	19976	0	3	19976	2547	437	22960	49.98
12	6979	235	134	7348	293	3876	0	1878	9177	9369	-1761	20562	0	2	20562	2614	441	23617	49.94
13	6849	163	128	7140	294	4069	0	1873	9338	9160	-1768	20346	0	0	20346	2617	422	23385	49.86
14	6638	142	134	6914	379	3854	0	1842	9526	9278	-1765	20091	0	0	20091	2606	411	23108	49.99
15	6614	142	138	6894	365	3840	0	1639	9725	9592	-1798	20117	0	0	20117	2639	416	23171	50.00
16	6759	144	136	7039	410	4005	0	1197	9842	9610	-1808	20027	0	0	20027	2671	426	23124	50.08
17	6346	186	135	6667	825	3778	0	718	9730	9309	-1716	19131	0	0	19131	2624	450	22205	50.05
18	6294	233	138	6665	805	3937	0	320	9108	8908	-1672	18521	0	0	18521	2538	442	21501	49.98
19	6471	729	142	7342	865	4099	0	41	8656	8726	-1546	19077	0	0	19077	2505	450	22032	49.99
20	6885	874	169	7928	675	4872	0	0	8168	8164	-1534	19655	0	0	19655	2617	450	22722	49.94
21	6897	512	198	7607	552	4901	0	0	8244	8245	-1607	19258	0	0	19258	2668	440	22366	49.98
22	6959	352	267	7578	438	5200	0	0	8152	8121	-1610	19294	0	0	19294	2696	433	22423	49.96
23	6933	758	270	7961	347	5162	0	0	8181	8212	-1518	19739	0	0	19739	2757	425	22921	49.98
24	6938	1139	271	8348	359	5231	0	0	7974	7922	-1506	19954	0	0	19954	2843	400	23197	49.99
MUs	166.00	14.14	3.78	183.92	11.57	103.93	0.00	14.11	212.48	210.62	-38.20	476.17	0.00	0.02	476.17	61.20	9.78	547.15	49.99

NOTE : ALL VALUES IN MW

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

Conductor size of 110KV Tembhu line is 0.1 & Overload setting of said line at 220kv Ogalewadi S/S is 300Amps. To avoid overload tripping, DLS is carried out.DLS done due to overloading of 220 KV Jejuri Lonand line

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 07/May/2023

Position as on 6.30 Hrs of 08/May/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
IPP	Adani U-3	660	27/04/2023	22:35	07/05/2023	16:11	ZERO SCHEDULE	
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	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.	01/04/2024
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.	01/05/2024
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	31/07/2023
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	30/05/2023
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Material replacement work.	01/03/2024
MSPGCL	Ghatghar Unit-2	125	08/02/2023	07:02		Continued.	Stator Earth Fault	01/06/2023
MSPGCL	Nasik Unit 3	210	17/04/2023	21:27		Continued.	Boiler Tube Leakage	20/05/2023
MSPGCL	Uran Unit 6	108	20/04/2023	19:15		Continued.	No Schedule.	
IPP	Adani U-2	660	29/04/2023	08:21		Continued.	Zero Schedule.	
IPP	JSW (J) U4	300	01/05/2023	09:29		Continued.	NO SCHEDULE	
IPP	RPL(AMT) U-4	270	01/05/2023	15:30		Continued.	Coal Shortage	
MSPGCL	Uran Unit 7	108	06/05/2023	16:30	07/05/2023	17:50	Low gas pressure.	
MSPGCL	Bhusawal Unit 4	500	06/05/2023	22:37		Continued.	Boiler Tube Leakage	09/05/2023
MSPGCL	Chandrapur Unit 8	500	07/05/2023	12:29		Continued.	Boiler Tube Leakage	09/05/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/May/2023

Statement-VII

Position as on 6.30 Hrs of 08/May/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
KORADI III - AKOLA II Ckt - 2	IntraState	07/05/2023	10:48	07/05/2023	19:02	PO	To attend the sag correction in tower no. 534, to stop the deforming of tower members in the first section.
500 KV TBC Outages/Trippings							
POLE-2 BASE AC FILTER Z1-Z2(200MVAR) @ CHANDRAPUR HVDC	IntraState	07/05/2023	11:11	07/05/2023	15:48	PO	to carry out Breaker CRM which is monitoring (R Ph) of Pole II Z1 & Z2 AC Filter as Circuit Breaker at HVDC Terminal Station, Chandrapu
400 KV MAINBAY Outages/Trippings							
408 MAIN BAY OF 400KV WALUJ CKT @ 400KV DEEPNAGAR SS	IntraState	05/05/2023	11:22	07/05/2023	19:00	PO	For servicing & overhauling of 400kV AREVA make WALUJ/AURANGABAD CKT Main C.B. Mechanism
400 KV LINE Outages/Trippings							
TALANDGE - KOLHAPUR (PG) CKT - 2	InterState	20/03/2023	07:49			PO	For reconductoring of Moose conductor with HTLS conductor for sytem improvement. AR to be kept in non Auto mode for 400KV-KOLHAPUR-MS-KOLHAPUR GIS -1
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	03/04/2023	11:30			HT	H/T TO CONTROL LINE LOADING OF PUNE PG
DEEPNAGAR - AURANGABAD (WALUJ)	IntraState	06/05/2023	22:37	07/05/2023	11:59	T	Deepnagar Unit-4 tripped through 409 Tie and 410 Main Bay and 408 Bay was already under planned outage for CB overhauling.
400 KV ICT Outages/Trippings							
STATION TF No 3 @ CHANDRAPUR GCR	IntraState	01/03/2023	15:07			PO	1) Oil filtration work 2) Testing of Station transformer 3) Preventive maintenance work.
400/220KV 500MVA ICT 3 @ AKOLA	IntraState	25/04/2023	10:41			PO	For termination of power cable
220 KV TBC Outages/Trippings							
BUS COUPLER @ MULUND	IntraState	04/05/2023	12:39			EO	1) CB Dew Point test of 220 KV Bus Coupler which is found very Low. 2) The 220 KV Bus Coupler is already in OFF condition. Permission is required to open Both isolators. 3) Due to Low value of dew point values, the breaker pole may burst, hence CB kept out of service and now same is proposed to be attended.
220 KV LINE Outages/Trippings							
EKLAHARE (OCR) - NAVASARI CKT - 1	IntraState	10/02/2023	09:45			PO	Breaker overhauling work. (RFC AT 21:23 HRS DT.10/02/2023 AND KEPT OPENED FOR LOAD MANAGEMENT)
EKLAHARE (OCR) - PADGHE	IntraState	05/03/2023	08:55			HT	For load management
AAREY - MSETCL BORIVALI CKT - 2	IntraState	05/05/2023	21:34	07/05/2023	16:47	PO	Interconnection of OLD GIS Bus 2 with NEW GIS Bus 2.
TROMBAY DHARAVI - 6	IntraState	06/05/2023	23:40	07/05/2023	05:40	PO	Shifting of Conductors of 220kV Trombay Dharavi 6 to new Tower No 26A & 26B for Line diversion at Sejal Shakti
APTA - KALWA	IntraState	07/05/2023	06:13	07/05/2023	19:22	PO	For erection of 3 nos tower and stringing work for NHRCL.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/May/2023

Statement-VII

Position as on 6.30 Hrs of 08/May/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
KAMBA - VASAI	IntraState	07/05/2023	09:07	07/05/2023	16:17	PO	"1) Diagnostic Testing & Pre-Monsoon Maintenance Work. 2) Replacement of Broken Disc Insulator."
BUS COUPLER @ AAREY	IntraState	07/05/2023	17:07	07/05/2023	19:53	PO	Shifting of existing 220kV AIS Bay no.7 to New GIS Bay no.25 under MERC approved Aarey 220kV AIS to GIS conversion project scheme.
AAREY - AEML BORIVALI	IntraState	07/05/2023	19:34	07/05/2023	20:02	PO	Charging of 220kV NEW GIS Bus 2 through 220kV Aarey-AEML Borivali Line.
TROMBAY DHARAVI - 6	IntraState	07/05/2023	23:57	08/05/2023	05:29	PO	Shifting of Conductors of 220kV Trombay Dharavi 6 to new Tower No 26A & 26B for Line diversion at Sejal Shakti
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 / 110 / 22kV 250 MVA ICT 2 @ SALSETTE	IntraState	10/11/2022	10:35			EO	For attending to abnormal Nosie from ICT
220/33 KV 100 MVA PTR 2	IntraState	07/05/2023	10:31	07/05/2023	13:46	EO	To attend hot spot
132 KV LINE Outages/Trippings							
RISOD-YELDARI	IntraState	20/04/2023	17:57			HT	TO CONTROL LOADING ON RISOD - MALEGAON CKT
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.
PAREL MANKHURD	IntraState	07/05/2023	08:26	07/05/2023	10:16	PO	BIRD NEST REMOVAL
BHIRA (T) - KHOPOLI 2	IntraState	07/05/2023	10:39	07/05/2023	19:00	PO	PROJECT WORK-TLA INSTALLATION
WAGHIVALI - CHEMBUR	IntraState	07/05/2023	19:15	07/05/2023	21:06	PO	BIRD NEST REMOVAL
BHIVPURI - AMBERNATH CKT - 1	IntraState	08/05/2023	05:58			PO	R/M AND TESTING

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