

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Jul/2021 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	92.440	2153.848	1) Gujrat	-5.574	-133.190
2) Hydro	9.165	271.003	2) Madhya Pradesh	5.981	119.186
3) Gas	5.748	101.439	3) Chattisgarh	3.720	80.160
Total MSPGCL	107.353	2526.290	4) Maharashtra	125.476	2884.680
B) 1) APML	50.789	1299.728	5) Goa (Amona)	-1.134	-13.758
2) JSWEL	13.965	361.012	Total	128.469	2937.078
3) VIPL	0.000	0.000	a) Mumbai Schedule	26.777	579.818
4) RPL(AMT)	14.620	483.404	b) Mumbai Drawl	30.712	595.137
5) SWPGPL	2.524	115.494	c) MSEDCL Bilateral *	24.013	706.121
6) Other IPP	5.283	142.708	Include PX	2.471	128.686
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	26.777	577.062
C) 1) TPCL Thermal	10.089	228.927	Include PX	12.289	271.616
2) TPCL Hydro	3.827	90.950	Standby	0.000	2.756
3) TPCL Gas	2.592	48.822	H) ENERGY CATERED (MUs)		
4) AEML Thermal	6.847	130.411	1) MSEDCL	361.682	7965.111
D) STATE			2) Mumbai Discoms	54.067	1094.247
1) Thermal	196.557	4915.532	TOTAL STATE	415.749	9059.358
(A1+C1+C4+(B1-B6))					
2) Hydro	12.992	361.953			
(A2+C2)					
3) Gas	8.340	150.261			
(A3+B7+C3)					
4) Wind	64.802	576.090			
6) SOLAR	4.589	118.444			
TOTAL STATE	287.280	6122.280			

* 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 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	4371	3789	3986	3623
MSPGCL Hydro	449	358	706	289
MSPGCL Gas	235	240	246	249
MSPGCL Total Generation	5055	4387	4938	4161
Central Sector Receipt	6072	5903	4708	4686
WIND	2313	2951	2877	2631
CPP / IPP Thermal	4254	3323	4036	3232
CPP / IPP Gas	0	0	0	0
SOLAR	461	666	0	0
Exchange with Mumbai	-1610	-1725	-1227	-961
MSEDCL DEMAND MET	16545	15505	15332	13749
Load Shedding	0	0	0	0
MSEDCL DEMAND	16545	15505	15332	13749
TPCL GENERATION	673	720	853	580
AEML GENERATION	285	285	285	286
MUMBAI DEMAND	2568	2730	2365	1827
STATE DEMAND MET	19113	18235	17697	15576
STATE DEMAND	19113	18235	17697	15576
Frequency (Hz)	50.01	50.09	50.01	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 13.07 Hrs	49.87 Hz at 14.16 Hrs	50.02	0 % of Time(min)

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

Shift Engineer

Shift Incharge

Daily and Progressive Generation,Maximum,Minimum for 20/Jul/2021

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	10.38	192.78	515	365
Unit 9	10.00	140.56	521	352
Unit 10	9.74	149.21	465	370
Total	30.12	482.55		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	6.96	158.22	350	280
Unit 5	7.02	156.74	350	275
Total	13.98	314.96		
Parli				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	22.08	0	0
Total	0.00	22.08		
Chandrapur				
Unit 3	2.99	65.31	145	115
Unit 4	3.03	49.75	175	116
Unit 5	5.16	151.25	300	0
Unit 6	6.98	145.96	340	267
Unit 7	6.92	47.28	330	273
Unit 8	7.91	196.18	450	273
Unit 9	0.00	138.21	0	0
Total	33.00	793.94		
Paras				
Unit 3	0.08	83.94	84	0
Unit 4	3.83	57.24	175	153
Total	3.92	141.18		
Khaparkheda				
Unit 1	0.00	7.76	0	0
Unit 2	0.00	35.70	0	0
Unit 3	0.00	41.57	0	0
Unit 4	0.00	42.26	0	0
Unit 5	8.28	204.74	500	298
Total	8.28	332.02		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	14.10	0	0
Unit 5	3.15	53.02	134	125
Total	3.15	67.12		
Uran				
All Units	5.75	101.44	249	231
Total	5.75	101.44		
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	3.97	23	0
Total	0.06	3.97		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	1.77	57.56	305	45
Stage 4	0.19	64.31	142	0
Stage 3	2.03	39.83	160	0
Total	3.99	161.70		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.45	0	0
TILLARI	0.00	1.16	0	0
BHIRA T.R.	0.44	8.36	40	0
SMLHY_PTN	4.73	96.65	207	189
GHATGHAR	0.00	2.68	0	0
Total	5.17	109.30		
Wind				
Total	64.80	576.09	0	0
Total	64.80	576.09		
CPP				
APML(Mus)	50.79	1299.73	0	0
JSWEL(Mus)	13.96	361.01	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	14.62	483.40	0	0
SWPGPL-Mus	2.52	115.49	0	0
Other(Mus)	5.28	142.71	0	0
Total	87.18	2402.35		
SOLAR				
Total	4.59	118.44	0	0
Total	4.59	118.44		
Tata				
Trombay 5	6.74	180.04	282	280
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.44	27.00	60	60
Trombay 7B	1.15	21.82	48	48
Trombay 8	3.35	48.89	157	137
TATA Hydro	3.83	90.95	326	36
Total	16.51	368.70		
AEML				
DTPS U-1&2	6.85	130.41	287	284
Total	6.85	130.41		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	92.44	2153.85	MSPGCL Total	107.35	2526.29
			MSPGCL Thml+Gas	98.19	2255.29	Koyna 1,2 & 4 Total	1.96	121.87
			MSPGCL Hydro	9.16	271.00	State Total	287.28	6122.28

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/Jul/2021

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS										
1	3743	323	247	4313	2477	3250	0	0	5198	5040	-1061	14019	0	14019	1940	15959	50.05
2	3623	289	249	4161	2631	3232	0	0	5075	4686	-961	13749	0	13749	1827	15576	50.03
3	3481	364	236	4081	2581	3331	0	0	4653	4778	-894	13877	0	13877	1743	15620	49.99
4	3604	243	235	4082	2516	3329	0	0	4923	4901	-846	13982	0	13982	1695	15677	50.01
5	3375	249	247	3871	2507	3294	0	0	5338	5460	-839	14293	0	14293	1687	15980	49.98
6	3831	287	236	4354	2364	3718	0	0	5386	5430	-918	14948	0	14948	1766	16714	49.99
7	4072	349	247	4668	2485	4176	0	33	5911	5601	-973	15990	0	15990	1821	17811	50.03
8	4179	457	235	4871	2279	4187	0	171	6068	6201	-1110	16599	0	16599	2009	18608	50.01
9	4501	446	235	5182	2350	4254	0	357	6026	5917	-1366	16694	0	16694	2306	19000	50.00
10	4371	449	235	5055	2313	4254	0	461	6507	6072	-1610	16545	0	16545	2568	19113	50.01
11	3999	439	245	4683	2546	3748	0	617	6721	6436	-1677	16353	0	16353	2717	19070	50.02
12	3716	367	232	4315	2654	3263	0	642	6798	6481	-1685	15670	0	15670	2768	18438	50.03
13	3789	358	240	4387	2951	3323	0	666	6018	5903	-1725	15505	0	15505	2730	18235	50.09
14	3675	295	231	4201	2867	3224	0	523	6039	5941	-1691	15065	0	15065	2642	17707	50.09
15	3700	310	242	4252	2791	3221	0	423	5662	5667	-1647	14707	0	14707	2642	17349	49.96
16	3658	459	234	4351	3000	3281	0	333	5760	5764	-1621	15108	0	15108	2630	17738	50.01
17	3659	341	243	4243	3001	3392	0	250	5624	5593	-1526	14953	0	14953	2549	17502	50.00
18	3946	345	234	4525	2967	3696	0	99	5370	4676	-1391	14572	0	14572	2486	17058	50.03
19	3757	486	234	4477	3035	3578	0	14	5198	5148	-1301	14951	0	14951	2405	17356	49.97
20	3986	706	246	4938	2877	4036	0	0	4917	4708	-1227	15332	0	15332	2365	17697	50.01
21	4092	417	237	4746	3074	4230	0	0	4953	4531	-1185	15396	0	15396	2270	17666	50.02
22	3930	388	246	4564	2908	3972	0	0	4819	4463	-1136	14771	0	14771	2218	16989	50.02
23	3977	384	247	4608	2858	3758	0	0	4749	4474	-1149	14549	0	14549	2166	16715	50.00
24	3776	414	235	4425	2770	3434	0	0	4393	4598	-1173	14054	0	14054	2117	16171	50.01
MUs	92.44	9.16	5.75	107.35	64.80	87.18	0.00	4.59	132.11	128.47	-30.71	361.68	0.00	361.68	54.07	415.75	50.02

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 20/Jul/2021

Position as on 6.30 Hrs of 21/Jul/2021

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
IPP	JSW (J) U3	300	09/07/2021	12.12		Continued.	Annual Overhaul	
IPP	RPL(AMT) U-3	270	15/07/2021	00.00		Continued.	Annual Overhaul	
MSPGCL	Chandrapur Unit 9	500	15/07/2021	02.00		Continued.	Annual Overhaul	
FORCED OUTAGE								
IPP	SWPGPL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
PGPL	PGPL U2	126	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)	
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	
MSPGCL	Nasik Unit 3	210	03/12/2020	06.45		Continued.	PA Fan Problem (Under Case 4 Bidding From 11.00Hrs DT. 21-01-2021).	
MSPGCL	Koradi Unit 6	210	27/04/2021	19.59		Continued.	Zero Schedule.	
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Zero Schedule.	
MSPGCL	Parli Unit 6	250	04/05/2021	20.00		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Parli Unit 7	250	05/05/2021	19.00		Continued.	Zero Schedule.	
MSPGCL	Bhusawal Unit 3	210	08/06/2021	00.34		Continued.	Zero Schedule.	
MSPGCL	Uran Unit 6	108	29/06/2021	22.18		Continued.	Gas shortage	
MSPGCL	Nasik Unit 4	210	04/07/2021	11.03		Continued.	Boiler Tube Leakage(Converted into to Zero Schedule from 20.00Hrs DT.06-07-2021)	
MSPGCL	Parli Unit 8	250	12/07/2021	18.00		Continued.	Zero Schedule.	
MSPGCL	Khaparkhedha Unit 1	210	15/07/2021	23.57		Continued.	Zero schedule	
MSPGCL	Khaparkhedha Unit 2	210	16/07/2021	00.12		Continued.	Zero schedule	
MSPGCL	Khaparkhedha Unit 3	210	16/07/2021	00.29		Continued.	Zero schedule	
MSPGCL	Khaparkhedha Unit 4	210	16/07/2021	02.00		Continued.	Zero schedule	
IPP	JSW (J) U4	300	16/07/2021	17.44		Continued.	Air Preheater problem.	
IPP	SWPGPL U-4	135	19/07/2021	23.45		Continued.	Zero schedule.	
IPP	SWPGPL U-2	135	19/07/2021	23.51		Continued.	Zero schedule.	
MSPGCL	Paras Unit 3	250	20/07/2021	00.35		Continued.	Annual Overhaul	
MSPGCL	Chandrapur Unit 5	500	20/07/2021	01.48	20/07/2021	07.14	Tripped on Electrical protection.	
TPC-G	Bhira PSU	150	20/07/2021	10.50	20/07/2021	11.20	Tripped due to coupling water shaft spill strainer chocked and synchronised.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 20/Jul/2021

Position as on 6.30 Hrs of 21/Jul/2021

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit 8	108	21/07/2021	05.34		Continued.	Due to LBB Protection Operated	
MSPGCL	Uran Unit B0	120	21/07/2021	05.34		Continued.	Due to LBB Protection Operated	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jul/2021

Statement-VII

Position as on 6.30 Hrs of 21/Jul/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Trippings							
Karad Solapur (PG)	InterState	03/05/2017	11:49		Continued.	PO	Line Converted As 220 Kv Solapur (PG)- Jeur From LOC 403
Dhule Sar'Sarovar I	InterState	21/07/2021	02.06		Continued.	T	Tripped at SSP on over voltage DT received at dhule end.
Girwali - Lonikand 1	IntraState	14/07/2021	09.29		Continued.	PO	Dismantling / De-stringing, tower erection and stringing work between span 258-259 for LILO arrangement to proposed 400kv karjat station.
Khadka-Aurangabad (Waluj)	IntraState	18/07/2021	18.02		Continued.	HT	Over Voltage
Chandrapur - Parli	IntraState	20/07/2021	02.12		Continued.	T	Over Voltage
Alkud-Kolhapur(Talandage)	IntraState	20/07/2021	09.56	20/07/2021	13.02	PO	Quarterly maintenance & Diagnostic testing Work
Girwali - Lonikand 1	IntraState	20/07/2021	10.38	20/07/2021	17.58	PO	Tightening of all nut bolt joints & isolator maintenance
Karad-Jaigad - I	IntraState	21/07/2021	00.15		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 315 MVA ICT I @ KOLHAPUR-III (TALANDGE)	IntraState	10/08/2020	09.58		Continued.	PO	Replacement of existing 315 MVA ICT by 3*167 MVA ICT.
400/220/33 Kv 315 MVA ICT-I @Aurangabad (Waluj)	IntraState	19/07/2021	11.02	20/07/2021	18.44	PO	Overhauling Of PG Isolator Work.
400/220 Kv 500 MVA ICT-I @Kalwa	IntraState	20/07/2021	10.19	20/07/2021	23.47	T	Differential protection
220 KV LINE Outages/Trippings							
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	PO	No Schedule(Charge from Mudshingi end only)
Talandage - Chikodi	InterState	01/10/2019	17.10		Continued.	PO	No Schedule(Close at Chikodi end only)
WARDHA WARDHA (PG) (DEOLI)	InterState	20/07/2021	11.30	20/07/2021	20.09	PO	Routine line maintenance work
Wadkhal(GIS)-JSW(GIS) I	IntraState	16/07/2021	17.50		Continued.	PO	For replacement of existing 1200/1A GIS metering CTs with new 1600/1A GIS CTs.
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	19/07/2021	19.10	20/07/2021	02.29	T	Distance Protection
Koyna (Pophali) - Kdph	IntraState	19/07/2021	20.25	20/07/2021	17.05	T	Distance Protection
Kandalgaon - Koyna (Pophali)	IntraState	20/07/2021	13.15	20/07/2021	17.25	PO	Rph CT to breaker conductor replacement
Padegaon-Sawangi	IntraState	20/07/2021	15.57	20/07/2021	16.38	HT	To replacement Yph metering PT fuse.
sawangi-Phulambri	IntraState	20/07/2021	15.57	20/07/2021	16.48	HT	To replacement Yph metering PT fuse.
220 KV ICT Outages/Trippings							
220 Kv /132 Kv 100 Mva Ptr @Chitegaon	IntraState	18/07/2021	11.03		Continued.	PO	Attending oil leakage from main tank.
220/33kv 125 MVA Transformer 2 @Gorai R/S	IntraState	19/07/2021	10.16	20/07/2021	18.21	T	Differential protection
220/132 Kv 200 Mva Ict - 1 @Harangul	IntraState	20/07/2021	09.44	20/07/2021	12.53	PO	ICT CTR N2 fire protection cold trial work and replacing fire detection sensors.

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage