

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 02/Jul/2019 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	114.191	233.331	1) Gujrat	-5.171	-9.742
2) Hydro	3.419	6.295	2) Madhya Pradesh	7.274	12.734
3) Gas	5.298	13.442	3) Chattisgarh	4.680	8.840
Total MSPGCL	122.908	253.068	4) Maharashtra	96.031	188.065
B) 1) APML	55.042	106.392	5) Goa (Amona)	-0.550	-1.452
2) JSWEL	19.523	40.364	Total	102.264	198.445
3) VIPL	0.000	0.000	a) Mumbai Schedule	21.811	44.902
4) RPL(AMT)	0.000	3.657	b) Mumbai Drawl	21.883	49.138
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	1.562	6.015
6) Other IPP	2.562	5.116	Include PX	-12.458	-20.597
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	21.811	44.902
C) 1) TPCL Thermal	12.951	25.080	Include PX	8.611	18.330
2) TPCL Hydro	3.066	7.680	Standby	0.000	0.000
3) TPCL Gas	3.853	6.774	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.487	18.686	1) MSEDCL	329.034	649.598
D) STATE			2) Mumbai Discoms	51.240	107.356
1) Thermal	213.756	432.626	TOTAL STATE	380.274	756.954
(A1+C1+C4+(B1-B6))					
2) Hydro	6.485	13.975			
(A2+C2)					
3) Gas	9.151	20.216			
(A3+B7+C3)					
4) Wind	43.346	82.742			
6) SOLAR	5.272	8.952			
TOTAL STATE	278.010	558.511			

* 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 14 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	4354	4347	5336	4823
MSPGCL Hydro	205	290	196	60
MSPGCL Gas	250	223	225	216
MSPGCL Total Generation	4809	4860	5757	5099
Central Sector Receipt	4985	4945	4578	2835
WIND	1810	1890	1850	1660
CPP / IPP Thermal	2980	2831	3512	3215
CPP / IPP Gas	0	0	0	0
SOLAR	882	637	0	0
Exchange with Mumbai	-1222	-1138	-974	-741
MSEDCL DEMAND MET	14244	14025	14723	12068
Load Shedding	9	0	0	0
MSEDCL DEMAND	14253	14025	14723	12068
TPCL GENERATION	931	949	957	621
AEML GENERATION	373	372	476	374
MUMBAI DEMAND	2526	2459	2407	1736
STATE DEMAND MET	16770	16484	17130	13804
STATE DEMAND	16779	16484	17130	13804
Frequency (Hz)	49.99	50.01	50.00	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 08.02 Hrs	49.79 Hz at 21.09 Hrs	49.99	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 02/Jul/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	1.48	4.75	145	0
Unit 7	2.61	4.50	135	70
Unit 8	7.11	13.05	338	270
Unit 9	2.95	10.32	320	0
Unit 10	0.00	0.00	0	0
Total	14.16	32.62		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	9.35	18.80	500	360
Unit 5	9.32	18.70	500	355
Total	18.66	37.50		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	0.00	0	0
Total	0.00	0.00		
Chandrapur				
Unit 3	2.22	2.22	167	18
Unit 4	3.90	7.78	170	152
Unit 5	8.45	16.30	405	270
Unit 6	7.22	15.07	320	275
Unit 7	7.86	15.66	352	305
Unit 8	9.89	18.06	480	360
Unit 9	9.66	17.91	470	360
Total	49.20	93.00		
Paras				
Unit 3	5.29	10.38	257	190
Unit 4	4.75	8.84	230	162
Total	10.04	19.22		
Khaparkheda				
Unit 1	2.92	6.20	160	85
Unit 2	0.00	3.31	0	0
Unit 3	3.44	7.18	160	130
Unit 4	3.27	6.88	150	117
Unit 5	0.54	3.85	450	0
Total	10.19	27.42		
Nasik				
Unit 3	4.01	7.97	189	158
Unit 4	4.10	8.02	203	159
Unit 5	3.83	7.57	165	154
Total	11.94	23.57		
Uran				
All Units	5.30	13.44	257	202
Total	5.30	13.44		
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)	0.00	0.00	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.00	0.00		
Koyna				
Stage 1-2	1.06	2.16	105	30
Stage 4	0.00	0.00	0	0
Stage 3	0.97	1.55	160	0
Total	2.03	3.72		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.24	0.24	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.46	0.85	40	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	0.00	0	0
GHATGHAR	0.69	1.49	250	0
Total	1.39	2.58		
Wind				
Total	43.35	82.74	0	0
Total	43.35	82.74		
CPP				
APML(Mus)	55.04	106.39	0	0
JSWEL(Mus)	19.52	40.36	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	3.66	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	2.56	5.12	0	0
Total	77.13	155.53		
SOLAR				
Total	5.27	8.95	0	0
Total	5.27	8.95		
Tata				
Trombay 5	8.10	15.71	460	311
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.39	4.07	114	57
Trombay 7B	1.46	2.70	66	46
Trombay 8	4.86	9.37	216	197
TATA Hydro	3.07	7.68	257	6
Total	19.87	39.53		
AEML				
DTPS U-1&2	9.49	18.69	501	372
Total	9.49	18.69		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	114.19	233.33	MSPGCL Total	122.91	253.07
			MSPGCL Thml+Gas	119.49	246.77	Koyna 1,2 & 4 Total	1.06	2.16
			MSPGCL Hydro	3.42	6.30	State Total	278.01	558.51

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 02/Jul/2019

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	5388	105	214	5707	1732	3245	0	0	2884	2987	-878	12793	0	12793	1868	14661	49.99
2	4823	60	216	5099	1660	3215	0	0	2645	2835	-741	12068	0	12068	1736	13804	49.98
3	4499	40	224	4763	2203	3140	0	0	2993	3056	-625	12537	0	12537	1640	14177	49.99
4	4378	30	202	4610	2157	3131	0	0	3128	3183	-570	12511	0	12511	1567	14078	49.99
5	4371	40	208	4619	1701	3079	0	0	3345	3455	-549	12305	0	12305	1549	13854	50.01
6	4459	35	206	4700	1773	3133	0	0	4219	4391	-616	13381	0	13381	1617	14998	49.99
7	4707	35	213	4955	1694	3402	0	36	4612	4633	-631	14089	0	14089	1720	15809	49.99
8	4844	62	240	5146	1832	3531	0	139	4613	4667	-689	14626	0	14626	1845	16471	50.01
9	4824	70	216	5110	1719	3425	0	316	4767	4764	-825	14509	0	14509	2053	16562	50.03
10	4510	132	227	4869	1814	3151	0	505	4954	5005	-958	14386	0	14386	2272	16658	50.05
11	4412	150	215	4777	1797	3079	0	542	5080	4925	-1152	13968	3	13971	2433	16404	50.03
12	4354	205	250	4809	1810	2980	0	882	4819	4985	-1222	14244	9	14253	2526	16779	49.99
13	4328	275	257	4860	1771	2932	0	729	4686	4676	-1202	13766	6	13772	2525	16297	49.96
14	4347	290	223	4860	1890	2831	0	637	4619	4945	-1138	14025	0	14025	2459	16484	50.01
15	4394	225	211	4830	1882	2861	0	636	4653	4911	-1128	13992	10	14002	2438	16440	49.98
16	4569	210	221	5000	1984	2981	0	468	4655	4500	-1138	13795	10	13805	2428	16233	50.01
17	4642	220	210	5072	2031	2926	0	271	4555	4755	-1123	13932	10	13942	2416	16358	49.98
18	4808	163	211	5182	1979	2968	0	89	4615	4730	-1071	13877	10	13887	2387	16274	49.99
19	4989	120	214	5323	2001	3151	0	22	4925	5016	-1061	14452	0	14452	2384	16836	50.00
20	5336	196	225	5757	1850	3512	0	0	4635	4578	-974	14723	0	14723	2407	17130	50.00
21	5389	195	224	5808	1518	3606	0	0	4588	4456	-938	14450	0	14450	2364	16814	49.94
22	5336	205	216	5757	1439	3633	0	0	4192	3859	-928	13760	0	13760	2326	16086	49.94
23	5311	285	227	5823	1520	3644	0	0	3809	3563	-834	13716	0	13716	2208	15924	50.01
24	5173	71	228	5472	1589	3571	0	0	3924	3389	-892	13129	0	13129	2072	15201	49.99
MUs	114.19	3.42	5.30	122.91	43.35	77.13	0.00	5.27	101.92	102.26	-21.88	329.03	0.06	329.09	51.24	380.33	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.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 02/Jul/2019

Position as on 6.30 Hrs of 03/Jul/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CPP	SWPGL U-3	135	01/11/2018	00.28		Continued.	Annual Overhaul	
FORCED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17:08		Continued.	Economic shutdown	
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
MSPGCL	Parli Unit 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
MSPGCL	Uran Unit 7	108	20/07/2018	12.53		Continued.	Compressor & Turbine Blade Failure.	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	Poor Coal Receipt	
IPP	SWPGL U-2	135	27/11/2018	00.00		Continued.	No Schedule.	
MSPGCL	Parli Unit 6	250	12/12/2018	00.00		Continued.	Zero Schedule.(water shortage from 25/06/2019)	
CPP	SWPGL U-4	135	15/12/2018	00.00		Continued.	No Schedule	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal Shortage	
MSPGCL	Parli Unit 8	250	04/06/2019	00.00		Continued.	Zero Schedule (converted to AOH from 25/06/2019)	
MSPGCL	Koyana Unit 5	80	17/06/2019	08.20		Continued.	needle stuck up problem.	
MSPGCL	Koyana Unit 6	80	17/06/2019	08.40		Continued.	needle stuck up problem.	
IPP	Adani U-4	660	19/06/2019	16.09		Continued.	MS Drain Bonnet Leakage.	
MSPGCL	Parli Unit 7	250	25/06/2019	09.45		Continued.	Water Shortage	
MSPGCL	Bhusawal Unit 3	210	28/06/2019	18.35		Continued.	Zero schedule.	
IPP	RPL(AMT) U-2	270	29/06/2019	00.00		Continued.	Zero schedule.	
IPP	RPL(AMT) U-5	270	29/06/2019	03.00		Continued.	Zero Schedule.	
MSPGCL	Chandrapur Unit 3	210	29/06/2019	16.23	02/07/2019	04.40	Boiler Tube Leakage	
MSPGCL	Koradi Unit 10	660	30/06/2019	11.54		Continued.	Air heater problem	
IPP	RPL(AMT) U-1	270	30/06/2019	16.00		Continued.	Zero Schedule	
IPP	RPL(AMT) U-3	270	01/07/2019	00.00		Continued.	ZERO SCHEDULE.	
IPP	Dhariwal	300	01/07/2019	00.01		Continued.	NO SCHEDULE	
IPP	RPL(AMT) U-4	270	01/07/2019	17.45		Continued.	Zero schedule.	
MSPGCL	Uran Unit 5	108	01/07/2019	22.38	02/07/2019	06.32	BARING VIBRATION HIGH.	
MSPGCL	Khaparkheda Unit 2	210	01/07/2019	23.28		Continued.	BOILER VALIDITY EXTENSION WORK.	
MSPGCL	Khaparkheda Unit 5	500	02/07/2019	01.25		Continued.	Generator Elect. Fault	
MSPGCL	Koradi Unit 9	660	02/07/2019	03.00	02/07/2019	14.32	Air heater problem	
MSPGCL	Uran Unit 5	108	02/07/2019	08.05	02/07/2019	08.25	Boilar Damper discrepancy	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 02/Jul/2019

Position as on 6.30 Hrs of 03/Jul/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit 5	108	02/07/2019	08.40	02/07/2019	11.02	Boilar Damper discrepancy	
MSPGCL	Koradi Unit 6	210	02/07/2019	11.23		Continued.	Air Flow Low	
MSPGCL	Uran Unit 5	108	02/07/2019	12.42		Continued.	Turbine bearing Vabration high	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jul/2019

Statement-VII

Position as on 6.30 Hrs of 03/Jul/2019

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 II	InterState	27/06/2019	19.16		Continued.	HT	Over Voltage
Chandrapur-II - Warora - I	InterState	01/07/2019	10.47		Continued.	EO	01/Jul/2019 RFC 18.35 Flashover string Replacement Work.
Dhule(MS)- Dhule(BDTCL) -II	InterState	02/07/2019	16.39	02/07/2019	17.34	T	Distance Protection
Dhule Khandwa II	InterState	03/07/2019	01.30		Continued.	T	Distance Protection
Padghe - Nagothane - I	IntraState	29/06/2019	01.37	02/07/2019	10.37	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	29/06/2019	16.33		Continued.	HT	Over Voltage
Chandrapur-II - Nanded ckt II	IntraState	30/06/2019	04.00		Continued.	T	Over Voltage
Jaigad-Karad Ckt-I	IntraState	01/07/2019	09.54	02/07/2019	08.52	PO	01/Jul/2019 RFC.16.40 CVT Replacement Work.
Akola II - RPL(Rattaniindia) Ckt-II	IntraState	01/07/2019	21.50		Continued.	T	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	01/07/2019	21.52	02/07/2019	08.22	HT	Over Voltage
karad -kolhapur-I	IntraState	01/07/2019	22.42	02/07/2019	11.14	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	03/07/2019	03.20		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 Mva ICT 1 @Padghe	IntraState	15/11/2018	10.07		Continued.	T	Differential Protection, Declared Faulty.
400/220/33 Kv 500 Mva Ict 1 @ CHANDRAPUR 2	IntraState	12/04/2019	17.10		Continued.	HT	Due To CVT Porcelain Collars Of The ICT-1 Are Damaged.
400/220/33 Kv 315 MVA ICT II @Chandrapur GCR	IntraState	24/06/2019	14.14		Continued.	PO	Oil Filtration Work due to High PPM.
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/06/2017	00.01		Continued.	PO	No Schedule
Mudshingi - Chikodi	InterState	01/06/2017	00.06		Continued.	PO	No Schedule.
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Balapur-Akola I	IntraState	20/06/2019	12.15		Continued.	PO	New Tower Erection Work And Stringing Work At Railway Crossing.
Balapur-Akola li	IntraState	20/06/2019	12.15		Continued.	PO	New Tower Erection Work And Stringing Work At Railway Crossing.
Miraj-Ichalkaranji I	IntraState	24/06/2019	12:14		Continued.	T	Tower Collapse.
Chandrapur GCR - Warora - I	IntraState	24/06/2019	14.01		Continued.	HT	Outage on Chandrapur ICT 2.
Chandrapur GCR - Wani	IntraState	29/06/2019	19.39		Continued.	HT	Outage on Chandrapur ICT 2.
Uran - Kharghar I	IntraState	01/07/2019	16.25	02/07/2019	15.59	PO	Y PH Conductor Broken Indication At Uran End.
Chinchwad1- Chinchwad2 ckt-1	IntraState	01/07/2019	21.29	02/07/2019	00.09	T	BUS BAR OPERATED B PHASE HV CT flashover OF TRANSFARMER NO.2.
Hinjawadi I- Chinchwad	IntraState	01/07/2019	21.29	02/07/2019	00.09	T	BUS BAR OPERATED B PHASE HV CT flashover OF TRANSFARMER NO.2.
Eklahara-(Ocr)(Nashik)-Navasari I	IntraState	02/07/2019	07.17	02/07/2019	13.53	T	Distance Protection
Kharepatan -Pawas Line	IntraState	02/07/2019	11.28	02/07/2019	13.37	EO	Removing moisture from CB
Trombay Salsette 1 Backbay	IntraState	02/07/2019	19.44	02/07/2019	20.16	T	Distance Protection
220 KV ICT Outages/Trippings							
220/22kv 100MVA T/F-I @ Nalasopara	IntraState	30/06/2019	02.50		Continued.	T	Diff operated, bucholz tripped, CTR Operated.
220/33kv 50mva Bbl @Oglewadi	IntraState	02/07/2019	11.09	02/07/2019	16.27	EO	Installation of Aux Relay
132 KV LINE Outages/Trippings							
Amalner - Nardhana	IntraState	23/06/2019	20.02		Continued.	T	DISTANCE PROTECTION NRD--

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

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jul/2019

Statement-VII

Position as on 6.30 Hrs of 03/Jul/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							> Y, PHASE, IY=8.33KA, IB=8.309KA, 45.86KM 5 NO TOWERS COLLAPSED TOWER NO 9 TO 13 FROM AMALNER
Bheda-Newasa	IntraState	02/07/2019	09.38	02/07/2019	19.25	PO	Construction work