

State Load Despatch Center,Airoli (MSETCL) Statement I
Daily system Report for 10/Jul/2019 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	97.695	1085.755	1) Gujrat	-2.177	-36.821
2) Hydro	5.504	44.015	2) Madhya Pradesh	11.395	88.200
3) Gas	8.239	75.576	3) Chattisgarh	5.090	45.310
Total MSPGCL	111.438	1205.346	4) Maharashtra	107.837	936.621
B) 1) APLM	56.615	522.459	5) Goa (Amona)	-0.462	-5.258
2) JSWEL	18.318	199.256	Total	121.683	1028.052
3) VIPL	0.000	0.000	a) Mumbai Schedule	27.190	216.234
4) RPL(AMT)	0.000	3.657	b) Mumbai Drawl	28.094	278.898
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	9.448	45.843
6) Other IPP	2.847	26.849	Include PX	-2.740	-78.675
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	27.190	216.234
C) 1) TPCL Thermal	14.676	128.301	Include PX	11.345	81.403
2) TPCL Hydro	3.070	38.899	Standby	0.000	0.000
3) TPCL Gas	3.709	36.001	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.020	95.299	1) MSEDCL	343.110	3294.024
D) STATE			2) Mumbai Discoms	60.569	577.399
1) Thermal	201.171	2061.576	TOTAL STATE	403.679	3871.423
(A1+C1+C4+(B1-B6))					
2) Hydro	8.574	82.914			
(A2+C2)					
3) Gas	11.948	111.577			
(A3+B7+C3)					
4) Wind	55.148	546.338			
6) SOLAR	5.155	40.965			
TOTAL STATE	281.996	2843.370			

* 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 2 Hrs
MSPGCL Thermal	3764	3537	4470	3933
MSPGCL Hydro	205	139	537	39
MSPGCL Gas	379	382	260	394
MSPGCL Total Generation	4348	4058	5267	4366
Central Sector Receipt	5700	5533	5582	4671
WIND	2522	2618	2196	1919
CPP / IPP Thermal	3285	3138	3376	3213
CPP / IPP Gas	0	0	0	0
SOLAR	660	625	0	0
Exchange with Mumbai	-1531	-1374	-1207	-1054
MSEDCL DEMAND MET	14984	14598	15214	13115
Load Shedding	0	0	0	0
MSEDCL DEMAND	14984	14598	15214	13115
TPCL GENERATION	1111	1128	1031	621
AEML GENERATION	492	499	502	374
MUMBAI DEMAND	3134	3001	2740	2049
STATE DEMAND MET	18118	17599	17954	15164
STATE DEMAND	18118	17599	17954	15164
Frequency (Hz)	50.02	50.04	50.04	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 08.02 Hrs	49.84 Hz at 06.15 Hrs	50.03	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 10/Jul/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.06	27.88	135	115
Unit 7	2.46	14.21	115	61
Unit 8	0.00	68.96	0	0
Unit 9	9.01	79.17	402	350
Unit 10	8.83	30.63	402	349
Total	23.36	220.85		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	10.10	94.68	500	360
Unit 5	9.96	92.75	490	360
Total	20.06	187.43		
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	0.46	13.18	70	0
Unit 4	1.96	32.36	118	32
Unit 5	6.30	68.52	290	220
Unit 6	2.87	63.97	275	0
Unit 7	6.43	70.25	290	257
Unit 8	4.65	71.39	280	0
Unit 9	6.01	70.47	360	210
Total	28.68	390.13		
Paras				
Unit 3	5.54	49.71	250	187
Unit 4	4.58	31.44	230	101
Total	10.12	81.15		
Khaparkheda				
Unit 1	3.08	30.92	155	95
Unit 2	1.90	18.36	105	60
Unit 3	3.25	34.71	150	114
Unit 4	3.10	33.66	155	120
Unit 5	0.00	3.85	0	0
Total	11.32	121.51		
Nasik				
Unit 3	0.00	30.69	0	0
Unit 4	4.14	40.25	208	137
Unit 5	0.00	13.74	0	0
Total	4.14	84.68		
Uran				
All Units	8.24	75.58	419	238
Total	8.24	75.58		
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	1.66	14.23	405	35
Stage 4	0.00	0.23	0	0
Stage 3	1.59	12.06	240	0
Total	3.25	26.52		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	1.16	0	0
TILLARI	0.54	3.10	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.48	4.15	40	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.28	1.65	34	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.10	0.66	5	4
GHATGHAR	0.85	6.78	225	0
Total	2.25	17.49		
Wind				
Total	55.15	546.34	0	0
Total	55.15	546.34		
CPP				
APML(Mus)	56.62	522.46	0	0
JSWEL(Mus)	18.32	199.26	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)	2.85	26.85	0	0
Total	77.78	752.22		
SOLAR				
Total	5.16	40.96	0	0
Total	5.16	40.96		
Tata				
Trombay 5	9.74	80.19	471	299
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.29	21.99	116	60
Trombay 7B	1.42	14.01	66	48
Trombay 8	4.93	48.11	226	194
TATA Hydro	3.07	38.90	367	2
Total	21.46	203.20		
AEML				
DTPS U-1&2	11.02	95.30	502	374
Total	11.02	95.30		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	97.70	1085.76	MSPGCL Total	111.44	1205.35
			MSPGCL Thml+Gas	105.93	1161.33	Koyna 1,2 & 4 Total	1.66	14.46
			MSPGCL Hydro	5.50	44.02	State Total	282.00	2843.37

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 10/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	4147	113	404	4664	1912	3481	0	0	4419	4322	-992	13387	0	13387	2244	15631	50.02
2	3933	39	394	4366	1919	3213	0	0	4641	4671	-1054	13115	0	13115	2049	15164	50.04
3	3945	39	402	4386	1970	3098	0	0	4648	5011	-953	13512	0	13512	1932	15444	50.03
4	3886	49	404	4339	2177	3208	0	0	4683	4470	-885	13309	0	13309	1863	15172	50.05
5	3898	39	392	4329	2284	3167	0	0	4684	4762	-864	13678	0	13678	1842	15520	50.02
6	4009	39	404	4452	2163	3363	0	0	4968	5086	-855	14209	0	14209	1955	16164	49.97
7	4065	467	403	4935	2149	3445	0	43	5158	5498	-794	15276	0	15276	2101	17377	49.99
8	4077	709	409	5195	2062	3457	0	215	5337	5452	-932	15449	0	15449	2294	17743	50.08
9	4061	363	405	4829	2245	3465	0	432	5621	5554	-1159	15366	0	15366	2609	17975	50.09
10	4029	300	406	4735	2277	3360	0	602	5697	5458	-1504	14928	0	14928	2872	17800	50.08
11	3798	253	405	4456	2396	3333	0	629	5438	5576	-1728	14662	0	14662	3077	17739	50.05
12	3764	205	379	4348	2522	3285	0	660	5595	5700	-1531	14984	0	14984	3134	18118	50.02
13	3537	139	382	4058	2618	3138	0	625	5489	5533	-1374	14598	0	14598	3001	17599	50.04
14	3687	139	419	4245	2450	3083	0	508	5397	4976	-1244	14018	0	14018	2848	16866	50.06
15	3748	149	310	4207	2602	3044	0	553	5304	5112	-1314	14204	0	14204	2840	17044	49.97
16	3933	190	270	4393	2996	3010	0	458	5248	4844	-1271	14430	0	14430	2828	17258	49.99
17	4028	234	263	4525	2824	2873	0	266	5004	4984	-1298	14174	0	14174	2834	17008	50.02
18	4094	238	263	4595	2815	2859	0	135	5112	5028	-1291	14141	0	14141	2829	16970	50.02
19	4319	349	238	4906	2357	3014	0	29	5294	5098	-1228	14176	0	14176	2795	16971	50.01
20	4470	537	260	5267	2196	3376	0	0	5474	5582	-1207	15214	0	15214	2740	17954	50.04
21	4542	517	250	5309	2041	3399	0	0	5300	4997	-1183	14563	0	14563	2660	17223	49.96
22	4618	223	264	5105	1976	3381	0	0	5016	4937	-1067	14332	0	14332	2513	16845	49.99
23	4567	119	254	4940	2032	3369	0	0	4746	4785	-1120	14006	0	14006	2400	16406	50.02
24	4540	55	259	4854	2165	3359	0	0	4196	4247	-1246	13379	0	13379	2309	15688	50.04
MUs	97.70	5.50	8.24	111.44	55.15	77.78	0.00	5.16	122.47	121.68	-28.09	343.11	0.00	343.11	60.57	403.68	50.03

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 10/Jul/2019

Position as on 6.30 Hrs of 11/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	
MSPGCL	Parli Unit 8	250	04/06/2019	00.00		Continued.	Zero Schedule (converted to AOH from 25/06/2019)	
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	Koyna Unit 6	80	17/06/2019	08.40		Continued.	needle stuck up problem.	
IPP	Adani U-4	660	19/06/2019	16.09	11/07/2019	07.31	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.	
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	Khaparkheda Unit 5	500	02/07/2019	01.25		Continued.	Generator Elect. Fault	
MSPGCL	Nasik Unit 5	210	04/07/2019	15.27		Continued.	Zero Schedule.	
MSPGCL	Nasik Unit 3	210	08/07/2019	19.56		Continued.	Zero Schedule.	
MSPGCL	Koradi Unit-8	660	09/07/2019	10.28		Continued.	LOSS OF FUAL.	
MSPGCL	Chandrapur Unit 6	500	09/07/2019	23.58	10/07/2019	12.28	DEFERENTIAL PROTECTION OPERATED.	
MSPGCL	Chandrapur Unit 3	210	10/07/2019	09.55		Continued.	LPT expansion	
MSPGCL	Chandrapur Unit-8	500	10/07/2019	10.10	10/07/2019	15.09	Generator Protection operated	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 10/Jul/2019

Position as on 6.30 Hrs of 11/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	10/07/2019	16.14		Continued.	Bearing vibration high	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Jul/2019

Statement-VII

Position as on 6.30 Hrs of 11/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
Khadka-Aurangabad (Waluj)	IntraState	29/06/2019	16.33		Continued.	HT	Over Voltage
Akola II - RPL(Rattanindia) Ckt-II	IntraState	01/07/2019	21.50		Continued.	T	Over Voltage
Dhule - Bableshwar - II	IntraState	08/07/2019	23.15		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	10/07/2019	00.18	10/07/2019	08.47	HT	Over Voltage
karad -kolhapur-II	IntraState	11/07/2019	01.14		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	10/07/2019	13.24	PO	Oil Filtration Work due to High PPM.
400/220kv Spare Ict 1 105 Mva @Karad	IntraState	08/07/2019	09.33		Continued.	PO	Replacement of Old Panel Relay Under Les.
400/220kv 315 Mva ICT I @Karad	IntraState	08/07/2019	09.33		Continued.	PO	Replacement of Old Panel Replay Under Les.
400/220/33 Kv 315 MVA ICT -I @Nagothane	IntraState	10/07/2019	08.35	10/07/2019	11.16	PO	CT secondary work for new Bus Bar commissioning work
400/220 KV 315MVA ICT II @ Parali (Girwali)	IntraState	10/07/2019	09.17	10/07/2019	17.32	PO	Testing Work
400/220/33 Kv 600 MVA ICT 4 @Padghe	IntraState	10/07/2019	18.38	10/07/2019	19.00	PO	Shifting from A Bus to B Bus outage (TBC Not working)
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.
Khaparkheda-Butibori 3	InterState	10/07/2019	10.15	10/07/2019	15.38	PO	Replacement of Flashover String
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Chandrapur GCR - Warora - I	IntraState	24/06/2019	14.01		Continued.	HT	Outage on Chandrapur ICT 2.
Kalwa 52B Interconnector CB	IntraState	29/06/2019	03.37	10/07/2019	09.36	HT	For Load Management
220 KV JALKOT - NANDED (KUMBHARGAON) CKT - 2	IntraState	09/07/2019	05.10		Continued.	T	Distance Protection
Niwali - Pawas Line	IntraState	10/07/2019	04.20	10/07/2019	18.25	T	Distance Protection
Padgha-Temghar-II	IntraState	10/07/2019	05.33	10/07/2019	19.07	HT	220KV A bus outage at Padgha
Bus A at Padgha	IntraState	10/07/2019	08.43	10/07/2019	15.12	PO	To Replace Damaged B Phase Conductor connecting Hybrid Pass Bushing
Chandrapur GCR - Sicom II	IntraState	10/07/2019	08.46	10/07/2019	14.07	PO	Testing Work
Kalwa1 - Taloja	IntraState	10/07/2019	08.58	10/07/2019	19.38	T	Conductor snapped at Loc.No.640 B Phase at Kalwa
Apta - Kalwa1	IntraState	10/07/2019	09.03		Continued.	T	Conductor snapped at Loc.No.639 at Kalwa
Kalwa1- Airoli Knowledge Park	IntraState	10/07/2019	09.04	10/07/2019	09.43	T	Overloading
Uran - Kharghar I	IntraState	10/07/2019	09.25	10/07/2019	21.02	T	Jumper Open at Loc.No.14
Colourchem - Temghar	IntraState	10/07/2019	09.38	10/07/2019	09.55	HT	R phase PT-2 Burst
Badnera-Akola I	IntraState	10/07/2019	09.40	10/07/2019	19.51	PO	Project work
Badnera-Akola li	IntraState	10/07/2019	09.40	10/07/2019	19.51	PO	Project work
Uran - Kharghar 2	IntraState	10/07/2019	12.48	10/07/2019	21.11	HT	Sparking on CT Jumper at Uran end
Chandrapur GCR - Sicom I	IntraState	10/07/2019	14.48	10/07/2019	19.18	PO	Tan Delta Measurment of CTs
Wpcl-Warora 2	IntraState	10/07/2019	15.24		Continued.	HT	sparking on Y Phase line Isolator

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 10/Jul/2019

Statement-VII

Position as on 6.30 Hrs of 11/Jul/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220 KV ICT Outages/Trippings							
220/132 Kv 200mva Kanohar Ict 3 @Bale (Solapur 2)	IntraState	10/07/2019	09.10	10/07/2019	13.43	PO	Quarterly Maintenance Work
132 KV LINE Outages/Trippings							
Amalner - Nardhana	IntraState	23/06/2019	20.02		Continued.	T	DISTANCE PROTECTION NRD-- > Y, PHASE, IY=8.33KA, IB=8.309KA, 45.86KM 5 NO TOWERS COLLAPSED TOWER NO 9 TO 13 FROM AMALNER