

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Aug/2019 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	95.278	1637.099	1) Gujrat	10.607	111.755
2) Hydro	19.159	172.849	2) Madhya Pradesh	5.089	137.353
3) Gas	5.198	162.329	3) Chattisgarh	2.950	51.340
Total MSPGCL	119.635	1972.277	4) Maharashtra	124.243	1911.771
B) 1) APML	62.156	1114.473	5) Goa (Amona)	-0.440	-10.604
2) JSWEL	23.736	453.278	Total	142.449	2201.615
3) VIPL	0.000	0.000	a) Mumbai Schedule	26.695	451.981
4) RPL(AMT)	19.780	120.124	b) Mumbai Drawl	28.626	559.628
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	16.705	255.220
6) Other IPP	2.832	49.521	Include PX	4.125	-39.788
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	26.695	450.287
C) 1) TPCL Thermal	15.841	215.182	Include PX	8.504	109.356
2) TPCL Hydro	5.166	123.250	Standby	0.000	1.694
3) TPCL Gas	2.750	55.503	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.195	198.371	1) MSEDCL	370.139	6371.898
D) STATE			2) Mumbai Discoms	63.580	1151.935
1) Thermal	230.818	3788.048	TOTAL STATE	433.719	7523.833
(A1+C1+C4+(B1-B6))					
2) Hydro	24.325	296.099			
(A2+C2)					
3) Gas	7.948	217.832			
(A3+B7+C3)					
4) Wind	22.465	939.262			
6) SOLAR	5.712	80.976			
TOTAL STATE	291.268	5322.217			

* 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 15 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	3970	3851	3887	3982
MSPGCL Hydro	1128	1092	1671	101
MSPGCL Gas	141	186	251	240
MSPGCL Total Generation	5239	5129	5809	4323
Central Sector Receipt	6659	6452	5491	5289
WIND	776	906	1158	882
CPP / IPP Thermal	4521	4504	4625	4247
CPP / IPP Gas	0	0	0	0
SOLAR	664	679	0	0
Exchange with Mumbai	-1691	-1523	-1076	-854
MSEDCL DEMAND MET	16168	16147	16007	13887
Load Shedding	0	0	0	0
MSEDCL DEMAND	16168	16147	16007	13887
TPCL GENERATION	1041	1083	1305	674
AEML GENERATION	495	495	493	374
MUMBAI DEMAND	3227	3101	2874	1902
STATE DEMAND MET	19395	19248	18881	15789
STATE DEMAND	19395	19248	18881	15789
Frequency (Hz)	49.99	49.96	49.82	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.1 Hz at 09.00 Hrs	49.56 Hz at 19.18 Hrs	49.96	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/Aug/2019

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	6.24	71.53	310	193
Unit 9	0.00	0.00	0	0
Unit 10	6.06	100.45	310	165
Total	12.30	171.98		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	3.24	171.19	455	0
Unit 5	9.89	175.86	470	340
Total	13.13	347.05		
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	3.51	45.62	159	135
Unit 4	3.32	47.90	147	125
Unit 5	8.13	123.58	380	300
Unit 6	8.17	133.49	380	305
Unit 7	0.00	0.00	0	0
Unit 8	6.85	92.23	353	225
Unit 9	6.58	132.75	328	200
Total	36.56	575.56		
Paras				
Unit 3	5.28	83.21	250	185
Unit 4	4.09	69.87	192	115
Total	9.37	153.08		
Khaparkheda				
Unit 1	2.64	44.39	140	65
Unit 2	0.00	34.18	0	0
Unit 3	2.98	63.26	150	0
Unit 4	3.70	30.25	167	149
Unit 5	8.11	162.10	356	320
Total	17.42	334.17		
Nasik				
Unit 3	2.06	10.25	137	0
Unit 4	4.43	42.90	198	161
Unit 5	0.00	2.11	0	0
Total	6.50	55.26		
Uran				
All Units	5.20	162.33	255	131
Total	5.20	162.33		
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	5.74	44.69	565	40
Stage 4	8.03	27.20	750	0
Stage 3	3.00	37.35	240	0
Total	16.76	109.24		
Hydro				
KDPH	0.00	14.38	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.44	14.08	40	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.38	8.39	40	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.34	7.71	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.85	11.74	36	34
GHATGHAR	0.38	7.31	125	0
Total	2.39	63.61		
Wind				
Total	22.46	939.26	0	0
Total	22.46	939.26		
CPP				
APML(Mus)	62.16	1114.47	0	0
JSWEL(Mus)	23.74	453.28	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	19.78	120.12	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	2.83	49.52	0	0
Total	108.50	1737.40		
SOLAR				
Total	5.71	80.98	0	0
Total	5.71	80.98		
Tata				
Trombay 5	10.71	121.54	479	300
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.60	33.82	116	48
Trombay 7B	1.16	21.69	67	40
Trombay 8	5.13	93.64	219	199
TATA Hydro	5.17	123.25	455	74
Total	23.76	393.94		
AEML				
DTPS U-1&2	11.20	198.37	497	374
Total	11.20	198.37		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	95.28	1637.10	MSPGCL Total	119.64	1972.28
			MSPGCL Thml+Gas	100.48	1799.43	Koyna 1,2 & 4 Total	13.77	71.89
			MSPGCL Hydro	19.16	172.85	State Total	291.27	5322.22

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/Aug/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	3921	91	241	4253	1097	4476	0	0	5347	5237	-1032	14031	0	14031	2288	16319	50.00
2	3877	101	241	4219	1061	4424	0	0	5379	5395	-934	14165	0	14165	2096	16261	50.02
3	3940	91	240	4271	1094	4308	0	0	5283	5188	-895	13966	0	13966	1972	15938	50.01
4	3982	101	240	4323	882	4247	0	0	5105	5289	-854	13887	0	13887	1902	15789	49.97
5	4019	166	241	4426	842	4341	0	0	5110	5321	-831	14099	0	14099	1883	15982	49.95
6	4127	467	240	4834	853	4516	0	0	5471	5721	-719	15205	0	15205	2008	17213	49.95
7	4210	902	245	5357	861	4547	0	24	6172	6278	-776	16291	0	16291	2171	18462	49.92
8	4245	956	246	5447	648	4547	0	166	6380	6633	-924	16517	0	16517	2343	18860	50.00
9	4034	1047	244	5325	707	4517	0	367	6596	6763	-1250	16429	0	16429	2669	19098	49.99
10	4015	871	163	5049	924	4533	0	610	6818	6762	-1499	16379	0	16379	2976	19355	50.00
11	4049	545	131	4725	813	4520	0	699	6820	6973	-1583	16147	0	16147	3182	19329	49.99
12	3970	1128	141	5239	776	4521	0	664	6762	6659	-1691	16168	0	16168	3227	19395	49.99
13	3898	894	138	4930	687	4483	0	721	6633	6674	-1660	15835	0	15835	3167	19002	49.98
14	3924	917	158	4999	811	4502	0	733	6202	6365	-1557	15853	0	15853	3067	18920	50.01
15	3851	1092	186	5129	906	4504	0	679	6224	6452	-1523	16147	0	16147	3101	19248	49.96
16	3857	1128	204	5189	1041	4495	0	522	6137	6246	-1510	15983	0	15983	3117	19100	49.99
17	3742	1259	201	5202	1054	4508	0	347	5952	6280	-1452	15939	0	15939	3101	19040	49.97
18	3678	1308	210	5196	1093	4502	0	163	5783	5737	-1380	15311	0	15311	3027	18338	49.94
19	3730	1458	242	5430	1160	4570	0	17	5620	5454	-1216	15415	0	15415	2912	18327	49.90
20	3887	1671	251	5809	1158	4625	0	0	5523	5491	-1076	16007	0	16007	2874	18881	49.82
21	3987	1307	243	5537	1115	4744	0	0	5488	5487	-1072	15811	0	15811	2774	18585	49.89
22	4147	814	243	5204	1110	4724	0	0	5413	5303	-1027	15314	0	15314	2658	17972	49.88
23	4089	436	254	4779	972	4737	0	0	5396	5408	-1065	14831	0	14831	2572	17403	49.94
24	4099	409	255	4763	800	4613	0	0	5162	5333	-1100	14409	0	14409	2491	16900	49.98
MUs	95.28	19.16	5.20	119.63	22.46	108.50	0.00	5.71	140.78	142.45	-28.63	370.14	0.00	370.14	63.58	433.72	49.96

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/Aug/2019

Position as on 6.30 Hrs of 21/Aug/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)	
MSPGCL	Koyana STG- IV Unit - 1	250	18/07/2019	14.30		Continued.	Breaker Air Pressure Problem(Converted for Capital Overhaul from DT.24-07-2019 for 60Days)	
MSPGCL	Koradi Unit 9	660	19/07/2019	17.35	21/08/2019	08.09	Annual Overhaul	
IPP	RPL(AMT) U-2	270	25/07/2019	02.00		Continued.	Zero Schedule(Converted to AOH from 13.08.2019 at 00.00 Hrs)	
MSPGCL	Chandrapur Unit 7	500	27/07/2019	00.00		Continued.	Annual Overhaul	
IPP	Adani U-2	660	05/08/2019	00.13		Continued.	Annual Overhaul	
MSPGCL	Khaparkheda Unit 2	210	13/08/2019	15.01		Continued.	Flame Failure(Converted to AOH from 16-8-2019)	
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 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 4	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.	Coal Shortage	
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 7	250	25/06/2019	09.45		Continued.	Water Shortage	
MSPGCL	Bhusawal Unit 3	210	28/06/2019	18.35		Continued.	Zero schedule.	
IPP	Dhariwal	300	01/07/2019	00.01		Continued.	NO SCHEDULE	
MSPGCL	Koradi Unit 6	210	27/07/2019	15.32	21/08/2019	02.09	Zero Schedule.	
MSPGCL	Koradi Unit 7	210	27/07/2019	15:47		Continued.	Zero Schedule.	
MSPGCL	Nasik Unit 5	210	01/08/2019	22.45		Continued.	Zero Schedule.	
MSPGCL	Nasik Unit 3	210	05/08/2019	09.15	20/08/2019	02.12	Zero Schedule.	
MSPGCL	Koyana Unit 10	80	05/08/2019	20.05		Continued.	Stator Earth Fault	
MSPGCL	Uran Unit B0	120	16/08/2019	23.17	20/08/2019	17.47	Gas shortage	
MSPGCL	Uran Unit 8	108	16/08/2019	23.17	20/08/2019	10.30	Gas shortage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 20/Aug/2019

Position as on 6.30 Hrs of 21/Aug/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	RPL(AMT) U-5	270	18/08/2019	13.50	20/08/2019	17.55	Electrical Fault Rotor Earth Fault Protection Operated.	
MSPGCL	Bhusawal Unit 4	500	20/08/2019	08.15		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit 5	108	20/08/2019	09.25		Continued.	Gas shortage	
MSPGCL	Khaparkheda Unit 3	210	20/08/2019	16.25	20/08/2019	19.46	Generator protection	
IPP	Adani U-4	660	21/08/2019	06.48		Continued.	PA Fan problem	
IPP	JSW (J) U4	300	21/08/2019	07.20		Continued.	Tripped	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Aug/2019

Statement-VII

Position as on 6.30 Hrs of 21/Aug/2019

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 - Tirora - I	IntraState	19/08/2019	09.52	20/08/2019	19.23	T	SF6 GAS Leakage At Tirora End.
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 Khandwa II	InterState	17/08/2019	08.04		Continued.	HT	Over Voltage
Jaigad-New Koyna Ckt-I	IntraState	18/08/2019	22.06		Continued.	T	Replacement of insulator string Distance protection, D-27.34 KM, & B-E,IA B10.60 KAMP, Y-10.04KAMP.
Khadka-Aurangabad (Waluj)	IntraState	19/08/2019	20.00	20/08/2019	11.08	HT	Over Voltage
Chandrapur - Khaperkheda	IntraState	20/08/2019	11.04	20/08/2019	15.19	EO	Insulator Replacement Work.
karad -kolhapur-I	IntraState	20/08/2019	12.51	20/08/2019	14.43	EO	Attending Hot Spot
Khadka-Aurangabad (Waluj)	IntraState	20/08/2019	21.49		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 600 MVA ICT 4 @Padghe	IntraState	12/08/2019	04.52	20/08/2019	18.26	T	LV Side Y-Ph LA Burst.
400/220KV 315MVA ICT3@Bhusawal II (khadaka)	IntraState	20/08/2019	10.27	20/08/2019	11.00	PO	Nitrogen filling Work In CTR RPH UNIT.
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.
BADNERA - WARDHA (PG) (Deoli)	InterState	20/08/2019	19.39	20/08/2019	20.39	HT	By WR At PG End.
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Miraj - Tilwani	IntraState	09/08/2019	05.27		Continued.	T	Dist.Protection(Tower Bending Location no.28,29)
Padgha-Temghar-II	IntraState	12/08/2019	11.12	20/08/2019	20.43	HT	To Divert The Load of Padgha ICT.
Kalwa 52B Interconnector CB	IntraState	12/08/2019	21.11	20/08/2019	10.49	T	For Load management.
Padgha - Temghar I	IntraState	14/08/2019	18.03	20/08/2019	20.41	HT	Control Padgha ICT Loading.
Abhijeet-Wardha-Ii	IntraState	19/08/2019	10.28	20/08/2019	16.47	PO	Shifting and charging of line through ERS.
Pedhambe - Oni	IntraState	20/08/2019	08.10		Continued.	PO	Routine Maintenance Work(Trip at 01.06hr Dt.21.08.2019) R PH Earth Fault Declared Faulty.
Lonikand2-Lonikand1 (Interconector)	IntraState	20/08/2019	09.00	20/08/2019	19.15	PO	Routine Maintenance Work
Parli(U-VIII) GCR CKT	IntraState	20/08/2019	10.06	20/08/2019	15.58	PO	Backup Protection relay Testing Work.
Khadaka-Chaligaon III	IntraState	20/08/2019	11.58	20/08/2019	15.21	EO	For Removing Aux. Isolator Blades For ICT2.
Chakan-Chinchwad	IntraState	20/08/2019	14.33	20/08/2019	17.22	EO	To attend Control Damaged Cables During Bursting of CT Of Chakan-Chinchwad PH-2
Trombay - Kalwa	IntraState	20/08/2019	21.34	21/08/2019	00.42	PO	For Bus section outage.
Trombay MSETCL Tie 2	IntraState	20/08/2019	21.41	21/08/2019	01.06	PO	For Bus section outage.

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