

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	135.670	2332.292	1) Gujrat	-5.388	-57.995
2) Hydro	4.751	111.688	2) Madhya Pradesh	5.740	196.979
3) Gas	9.592	169.052	3) Chattisgarh	3.210	85.000
Total MSPGCL	150.013	2613.032	4) Maharashtra	113.291	1984.265
B) 1) APLM	76.909	1240.113	5) Goa (Amona)	-0.242	-9.592
2) JSWEL	25.125	434.429	Total	116.611	2198.657
3) VIPL	0.000	0.000	a) Mumbai Schedule	22.516	451.918
4) RPL(AMT)	17.317	31.651	b) Mumbai Drawl	29.532	575.584
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	12.569	166.391
6) Other IPP	1.318	50.292	Include PX	-0.680	-95.404
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	22.516	451.918
C) 1) TPCL Thermal	14.734	264.871	Include PX	7.165	137.451
2) TPCL Hydro	4.826	90.847	Standby	0.000	0.000
3) TPCL Gas	4.363	76.847	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.383	194.315	1) MSEDCL	367.016	6974.592
D) STATE			2) Mumbai Discoms	63.838	1202.467
1) Thermal	281.456	4547.963	TOTAL STATE	430.854	8177.059
(A1+C1+C4+(B1-B6))					
2) Hydro	9.577	202.535			
(A2+C2)					
3) Gas	13.955	245.899			
(A3+B7+C3)					
4) Wind	4.922	886.435			
6) SOLAR	4.333	95.567			
TOTAL STATE	314.243	5978.399			

* 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 5 Hrs
MSPGCL Thermal	5892	5936	5625	5261
MSPGCL Hydro	122	92	674	52
MSPGCL Gas	383	386	401	389
MSPGCL Total Generation	6397	6414	6700	5702
Central Sector Receipt	5233	5490	4753	4679
WIND	142	82	325	203
CPP / IPP Thermal	5094	4943	5264	4732
CPP / IPP Gas	0	0	0	0
SOLAR	583	548	0	0
Exchange with Mumbai	-1412	-1595	-1116	-998
MSEDCL DEMAND MET	16037	15882	15926	14318
Load Shedding	0	0	0	0
MSEDCL DEMAND	16037	15882	15926	14318
TPCL GENERATION	1238	1034	1172	696
AEML GENERATION	498	375	499	374
MUMBAI DEMAND	3148	3004	2787	2068
STATE DEMAND MET	19185	18886	18713	16386
STATE DEMAND	19185	18886	18713	16386
Frequency (Hz)	49.99	50.03	49.95	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 18.03 Hrs	49.67 Hz at 22.15 Hrs	50.01	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/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	2.80	38.88	155	0
Unit 7	3.08	23.27	155	111
Unit 8	8.79	138.29	447	296
Unit 9	0.00	154.80	0	0
Unit 10	5.44	112.57	351	0
Total	20.10	467.82		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	9.60	196.47	435	355
Unit 5	9.55	187.82	460	280
Total	19.15	384.30		
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	4.28	43.15	183	163
Unit 4	3.14	62.48	136	113
Unit 5	8.86	147.18	400	325
Unit 6	9.46	143.40	430	350
Unit 7	8.46	147.88	402	315
Unit 8	11.13	160.44	488	394
Unit 9	5.84	96.48	435	0
Total	51.18	801.01		
Paras				
Unit 3	5.02	101.97	230	160
Unit 4	5.87	79.67	255	210
Total	10.88	181.64		
Khaparkheda				
Unit 1	3.90	65.97	180	130
Unit 2	3.47	51.85	155	115
Unit 3	4.14	65.71	180	152
Unit 4	0.00	60.36	0	0
Unit 5	10.27	71.23	500	340
Total	21.77	315.12		
Nasik				
Unit 3	4.19	62.92	186	150
Unit 4	4.28	72.38	200	145
Unit 5	4.11	47.11	196	153
Total	12.58	182.41		
Uran				
All Units	9.59	169.05	411	383
Total	9.59	169.05		
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	1.94	40.35	345	40
Stage 4	0.20	10.45	184	0
Stage 3	1.01	27.23	138	0
Total	3.15	78.03		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	1.16	0	0
TILLARI	0.00	5.36	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.38	8.25	40	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.54	4.76	45	11
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	2.40	0	0
GHATGHAR	0.68	11.73	205	0
Total	1.60	33.66		
Wind				
Total	4.92	886.44	0	0
Total	4.92	886.44		
CPP				
APML(Mus)	76.91	1240.11	0	0
JSWEL(Mus)	25.12	434.43	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	17.32	31.65	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	1.32	50.29	0	0
Total	120.67	1756.48		
SOLAR				
Total	4.33	95.57	0	0
Total	4.33	95.57		
Tata				
Trombay 5	9.66	167.13	480	313
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.78	47.65	117	115
Trombay 7B	1.58	29.20	67	65
Trombay 8	5.07	97.74	227	198
TATA Hydro	4.83	90.85	363	0
Total	23.92	432.56		
AEML				
DTPS U-1&2	10.38	194.32	499	373
Total	10.38	194.32		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	135.67	2332.29	MSPGCL Total	150.01	2613.03
			MSPGCL Thml+Gas	145.26	2501.34	Koyna 1,2 & 4 Total	2.14	50.80
			MSPGCL Hydro	4.75	111.69	State Total	314.24	5978.40

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/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	5372	182	395	5949	78	5142	0	0	4707	4552	-1111	14610	0	14610	2593	17203	49.94
2	5392	72	399	5863	116	5096	0	0	4561	4556	-975	14656	0	14656	2380	17036	50.04
3	5386	52	400	5838	164	5138	0	0	4440	4477	-941	14676	0	14676	2227	16903	50.04
4	5336	52	409	5797	335	4849	0	0	4572	4339	-1026	14294	0	14294	2110	16404	50.01
5	5261	52	389	5702	203	4732	0	0	4467	4679	-998	14318	0	14318	2068	16386	50.00
6	5438	162	400	6000	110	4987	0	0	4739	4921	-933	15085	0	15085	2130	17215	50.02
7	5574	651	410	6635	66	5114	0	19	4886	5108	-805	16137	0	16137	2183	18320	50.02
8	5784	362	400	6546	63	5050	0	112	5017	4959	-850	15880	0	15880	2274	18154	50.06
9	5839	136	399	6374	180	4927	0	296	5065	5304	-1087	15994	0	15994	2513	18507	50.03
10	5813	117	396	6326	209	4793	0	423	5199	5371	-1462	15660	0	15660	2811	18471	50.01
11	5978	130	405	6513	171	4985	0	490	5302	5144	-1468	15835	0	15835	3059	18894	50.05
12	5892	122	383	6397	142	5094	0	583	5382	5233	-1412	16037	0	16037	3148	19185	49.99
13	5884	92	394	6370	94	5085	0	504	5325	4916	-1422	15547	0	15547	3147	18694	50.04
14	5906	102	408	6416	83	4982	0	551	5292	4982	-1426	15588	0	15588	3002	18590	50.03
15	5936	92	386	6414	82	4943	0	548	5211	5490	-1595	15882	0	15882	3004	18886	50.03
16	5871	171	396	6438	178	5114	0	426	5181	5189	-1551	15794	0	15794	2984	18778	50.04
17	5890	171	397	6458	220	5152	0	258	5272	5263	-1555	15796	0	15796	2919	18715	50.02
18	5900	181	410	6491	194	4865	0	105	5221	5044	-1559	15140	0	15140	2868	18008	50.02
19	5692	277	402	6371	241	5045	0	18	5061	4935	-1474	15136	0	15136	2826	17962	50.03
20	5625	674	401	6700	325	5264	0	0	4855	4753	-1116	15926	0	15926	2787	18713	49.95
21	5515	394	411	6320	479	5268	0	0	4616	4338	-949	15456	0	15456	2684	18140	49.97
22	5585	164	399	6148	546	5155	0	0	4560	4311	-1195	14965	0	14965	2759	17724	49.94
23	5424	172	401	5997	313	4948	0	0	4395	4371	-1334	14295	0	14295	2741	17036	49.91
24	5377	171	402	5950	330	4941	0	0	4522	4376	-1288	14309	0	14309	2621	16930	49.95
MUs	135.67	4.75	9.59	150.01	4.92	120.67	0.00	4.33	117.85	116.61	-29.53	367.02	0.00	367.02	63.84	430.85	50.01

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/2019

Position as on 6.30 Hrs of 21/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)	
MSPGCL	Koyna Unit 12	80	16/07/2019	09.00		Continued.	Annual Overhaul	
MSPGCL	Khaparkheda Unit 4	210	17/07/2019	21.44		Continued.	Annual Overhaul	
MSPGCL	Koradi Unit 9	660	19/07/2019	17.35		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 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.	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 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-1	270	30/06/2019	16.00		Continued.	Zero Schedule	
IPP	Dhariwal	300	01/07/2019	00.01		Continued.	NO SCHEDULE	
MSPGCL	Chandrapur Unit 9	500	13/07/2019	17.00	20/07/2019	05.53	ACW LINE LEAKAGE.	
MSPGCL	Koyna STG- IV Unit - 1	250	18/07/2019	14.30		Continued.	Breaker Air Pressure Problem	
MSPGCL	Koyna STG-IV Unit-2	250	18/07/2019	15.00		Continued.	Checking of Generator Protection System	
MSPGCL	Koradi Unit 6	210	20/07/2019	12.55	20/07/2019	16.29	loss Of Air Flow.	
MSPGCL	Koradi Unit 10	660	20/07/2019	18.20		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit B0	120	21/07/2019	00.17		Continued.	Boiler Maintenance work	
MSPGCL	Uran Unit 8	108	21/07/2019	00.22	21/07/2019	21.53	Boiler Maintenance work	
IPP	Adani U-2	660	21/07/2019	20.02		Continued.	Air pre heater problem.	
MSPGCL	Uran Unit 8	108	21/07/2019	23.16	21/07/2019	23.56	On Boiler protection.	

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

Statement-VII

Position as on 6.30 Hrs of 21/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	21/07/2019	04.49	HT	Over Voltage
Akola Wardha I	InterState	21/07/2019	03.21	21/07/2019	03.55	T	Distance Protection
Dhule Sar'Sarovar I	InterState	21/07/2019	05.30		Continued.	T	Distance Protection, Y-PH, 2.5KA, 136KM, patrolling in progress. Permit taken for signature analysis. (RFC 23.00)
Padghe - Kalwa- I	IntraState	13/07/2019	10.48		Continued.	PO	MMRDA Work Tower Height Raising Work At Location 1142/1142.
Khadka-Aurangabad (Waluj)	IntraState	13/07/2019	17.39		Continued.	HT	Over Voltage
Pune(GIS)-A'bad(Waluj) Ckt 2	IntraState	19/07/2019	11.06	21/07/2019	09.19	PO	To attend SF-6 Gas Leakage
Koradi 2-IEPL	IntraState	20/07/2019	11.20	20/07/2019	17.09	PO	Testing Work
Padghe - Nagothane - II	IntraState	20/07/2019	15.03	20/07/2019	18.33	HT	To Make TBC Free,Due To Problem In Own Bay.
Nagothane - Dabhol I	IntraState	20/07/2019	15.33	20/07/2019	18.07	EO	On TBC To Attend Hot Spot On B-Ph Isolator Clamp.
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.
400/220kv 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 II @Karad	IntraState	20/07/2019	05.40	20/07/2019	07.54	T	On OLTC BUCOLZ.
400/220kv 315MVA ICT 2 @ Chandrapur GCR	IntraState	20/07/2019	08.52	20/07/2019	19.45	PO	Attending Oil Leakage
400/220/33 Kv 315 Mva ICT I @ Akola (M)	IntraState	21/07/2019	12.36	21/07/2019	18.40	PO	LV site string replacement work.
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)
Kalwa1 - Taloja	IntraState	19/07/2019	19.30	20/07/2019	07.44	T	Distance Protection, R-B Phase Earth Conductor Snapped at Taloja end
Karad(400kv) - Wathar	IntraState	20/07/2019	05.40	20/07/2019	18.54	T	R Phase Wave trap decoiled
Chandrapur GCR - Warora - I	IntraState	20/07/2019	07.11	20/07/2019	17.38	HT	B-PH CT Abnormal Sound In CTMB At Warora End.
Kalwa 52B Interconnector CB	IntraState	20/07/2019	08.14	20/07/2019	19.30	PO	For Load Management.
Chandrapur GCR - Wani	IntraState	20/07/2019	08.33	20/07/2019	19.57	HT	For Outage On ICT 2.
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	20/07/2019	09.41	20/07/2019	10.02	HT	For Removing Bottom Support Part Of Wave Trap.
Bableshwar- Bableshwar-II	IntraState	20/07/2019	10.30	20/07/2019	11.40	EO	Attending Hot Spot
Satana-Gangapur	IntraState	20/07/2019	13.43	20/07/2019	14.30	T	Distance Protection 100KM R-Y 2.25KA
Eklahare (Ocr)Nasik - Padghe 2	IntraState	20/07/2019	14.18	20/07/2019	19.35	HT	To Control Load On Interconnector Nashik OCR To GCR.After HT Load-1300A.
Nagothane - Ipcl	IntraState	20/07/2019	14.43	21/07/2019	16.36	T	Continued -problem in CB At IPCI DP.LOC No.-66 String Faulty.
Chandrapur GCR - Warora - I	IntraState	20/07/2019	20.33	21/07/2019	19.41	HT	B-PH CT Abnormal Sound In CTMB At Warora End.
Trombay Salsette 1 Backbay	IntraState	21/07/2019	06.49	21/07/2019	09.40	EO	Attending Hot Spot
Dhule - Dondaicha Ckt	IntraState	21/07/2019	07.40	21/07/2019	17.19	T	DHN: Y PH, Z1, 5.5KA, 5.2KM.
Apta - Kalwa1	IntraState	21/07/2019	09.01	21/07/2019	11.59	EO	Attending Hot Spot

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 20/Jul/2019

Statement-VII

Position as on 6.30 Hrs of 21/Jul/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Trombay MSETCL Tie 1	IntraState	21/07/2019	10.10	21/07/2019	17.01	PO	Routine Maintenance Work
Badnera Tss-Ii	IntraState	21/07/2019	12.05	21/07/2019	15.37	PO	Tan Delta & Diagnostic Testing.
Kalwa 52B Interconnector CB	IntraState	21/07/2019	12.13	21/07/2019	09.40	PO	Due to Kalwa Apta line outage.
BHUGAON WARORA CKT-II	IntraState	21/07/2019	17.56	21/07/2019	21.20	T	BHU= Distance protection/B-E Z1 1.52KM 15.58KA A/R L/O Waro= Distance protection B-E Z1 61.5 KM 2.42KA.
Nagothane - Posco	IntraState	21/07/2019	21.03		Continued.	T	Distance Protection, Z-1, Y-PH, 10.89KA, 8.8KM.
220 KV ICT Outages/Trippings							
220/132 Kv 100 Mva Emco Ict @Bhenda	IntraState	20/07/2019	09.40	20/07/2019	12.07	PO	Routine Maintenance Work
220/132Kv 200MVA ICT-I @ Akola	IntraState	20/07/2019	11.31	20/07/2019	12.38	EO	opening Of Tan Delta point In Presence Of Company Representative.
132 KV LINE Outages/Trippings							
Amalner - Nardhana	IntraState	23/06/2019	20.02	20/07/2019	20:54	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

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