

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Jul/2019 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	130.999	2463.291	1) Gujrat	-4.860	-62.855
2) Hydro	7.232	118.920	2) Madhya Pradesh	5.502	202.481
3) Gas	6.628	175.680	3) Chattisgarh	1.910	86.910
Total MSPGCL	144.859	2757.891	4) Maharashtra	103.366	2087.631
B) 1) APML	70.941	1311.054	5) Goa (Amona)	-0.286	-9.878
2) JSWEL	25.042	459.471	Total	105.632	2304.289
3) VIPL	0.000	0.000	a) Mumbai Schedule	19.408	471.326
4) RPL(AMT)	15.116	46.767	b) Mumbai Drawl	23.904	599.488
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	8.103	174.494
6) Other IPP	2.144	52.436	Include PX	-4.639	-100.043
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	19.408	471.326
C) 1) TPCL Thermal	13.316	278.187	Include PX	1.726	139.177
2) TPCL Hydro	3.584	94.431	Standby	0.000	0.000
3) TPCL Gas	4.371	81.218	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.634	203.949	1) MSEDCL	350.823	7325.415
D) STATE			2) Mumbai Discoms	54.809	1257.276
1) Thermal	267.192	4815.155	TOTAL STATE	405.632	8582.691
(A1+C1+C4+(B1-B6))					
2) Hydro	10.816	213.351			
(A2+C2)					
3) Gas	10.999	256.898			
(A3+B7+C3)					
4) Wind	5.995	892.430			
6) SOLAR	4.998	100.565			
TOTAL STATE	300.000	6278.399			

* 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 16 Hrs	C. Evening Peak at 21 Hrs	D. Night Minimum at 5 Hrs
MSPGCL Thermal	5430	5428	5589	5271
MSPGCL Hydro	287	97	1200	75
MSPGCL Gas	263	272	273	282
MSPGCL Total Generation	5980	5797	7062	5628
Central Sector Receipt	4680	4662	4251	4158
WIND	48	277	696	42
CPP / IPP Thermal	4806	4790	4500	4628
CPP / IPP Gas	0	0	0	0
SOLAR	626	556	0	0
Exchange with Mumbai	-1148	-1180	-733	-871
MSEDCL DEMAND MET	14992	14902	15776	13585
Load Shedding	0	0	0	0
MSEDCL DEMAND	14992	14902	15776	13585
TPCL GENERATION	897	816	1274	696
AEML GENERATION	374	374	498	374
MUMBAI DEMAND	2419	2370	2505	1941
STATE DEMAND MET	17412	17272	18282	15526
STATE DEMAND	17412	17272	18282	15526
Frequency (Hz)	49.97	50.05	49.89	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 18.03 Hrs	49.84 Hz at 01.00 Hrs	49.98	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 21/Jul/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.42	42.30	160	125
Unit 7	3.09	26.36	160	109
Unit 8	10.04	148.32	450	352
Unit 9	0.00	154.80	0	0
Unit 10	0.00	112.57	0	0
Total	16.55	484.36		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	10.16	206.64	475	355
Unit 5	8.10	195.93	360	310
Total	18.27	402.56		
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	4.06	47.21	180	163
Unit 4	3.01	65.49	133	100
Unit 5	9.05	156.23	400	365
Unit 6	8.77	152.17	390	335
Unit 7	8.88	156.75	410	338
Unit 8	10.22	170.65	495	360
Unit 9	9.56	106.05	440	350
Total	53.54	854.56		
Paras				
Unit 3	4.68	106.65	240	136
Unit 4	5.15	84.82	248	166
Total	9.83	191.47		
Khaparkheda				
Unit 1	3.27	69.24	153	120
Unit 2	3.14	54.98	135	120
Unit 3	4.07	69.78	178	160
Unit 4	0.00	60.36	0	0
Unit 5	10.34	81.57	465	380
Total	20.81	335.93		
Nasik				
Unit 3	3.90	66.82	175	155
Unit 4	4.08	76.45	192	157
Unit 5	4.02	51.13	180	156
Total	12.00	194.41		
Uran				
All Units	6.63	175.68	315	260
Total	6.63	175.68		
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	2.14	42.49	435	40
Stage 4	1.94	12.38	500	0
Stage 3	1.29	28.52	160	0
Total	5.37	83.40		
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	8.63	40	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.57	5.32	45	11
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	2.40	0	0
GHATGHAR	0.92	12.65	250	0
Total	1.86	35.52		
Wind				
Total	6.00	892.43	0	0
Total	6.00	892.43		
CPP				
APML(Mus)	70.94	1311.05	0	0
JSWEL(Mus)	25.04	459.47	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	15.12	46.77	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	2.14	52.44	0	0
Total	113.24	1869.73		
SOLAR				
Total	5.00	100.56	0	0
Total	5.00	100.56		
Tata				
Trombay 5	8.38	175.50	485	313
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.78	50.43	117	115
Trombay 7B	1.59	30.78	67	65
Trombay 8	4.94	102.68	230	197
TATA Hydro	3.58	94.43	387	7
Total	21.27	453.84		
AEML				
DTPS U-1&2	9.63	203.95	499	373
Total	9.63	203.95		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	131.00	2463.29	MSPGCL Total	144.86	2757.89
			MSPGCL Thml+Gas	137.63	2638.97	Koyna 1,2 & 4 Total	4.08	54.88
			MSPGCL Hydro	7.23	118.92	State Total	300.00	6278.40

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/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	5570	86	315	5971	209	4983	0	0	4280	3973	-1102	14034	0	14034	2324	16358	49.83
2	5528	156	280	5964	186	5006	0	0	3990	3874	-1031	14000	0	14000	2175	16174	49.96
3	5541	151	272	5964	179	5002	0	0	3716	3605	-985	13766	0	13766	2057	15822	49.99
4	5243	66	282	5591	87	4981	0	0	3994	3878	-905	13632	0	13632	1978	15610	50.04
5	5271	75	282	5628	42	4628	0	0	4439	4158	-871	13585	0	13585	1941	15526	50.02
6	5547	91	272	5910	35	4466	0	0	4633	4632	-901	14142	0	14142	1978	16120	50.00
7	5716	76	282	6074	47	4759	0	25	4734	4298	-868	14335	0	14335	1972	16307	50.01
8	5567	120	282	5969	25	4794	0	129	4643	4735	-848	14804	0	14804	2006	16810	49.99
9	5320	192	270	5782	42	4646	0	265	4672	4812	-950	14597	0	14597	2106	16703	50.03
10	5315	285	279	5879	50	4635	0	410	4706	4700	-1025	14649	0	14649	2241	16890	50.03
11	5381	285	276	5942	53	4800	0	537	4671	4668	-1135	14865	0	14865	2376	17241	50.02
12	5430	287	263	5980	48	4806	0	626	4746	4680	-1148	14992	0	14992	2419	17412	49.97
13	5461	160	275	5896	88	4835	0	644	4716	4463	-1146	14780	0	14780	2405	17185	50.01
14	5229	117	272	5618	151	4682	0	540	4667	4780	-1145	14626	0	14626	2390	17016	50.00
15	5285	107	260	5652	285	4739	0	632	4631	4669	-1145	14832	0	14832	2382	17214	50.00
16	5428	97	272	5797	277	4790	0	556	4608	4662	-1180	14902	0	14902	2370	17272	50.05
17	5408	152	262	5822	202	4760	0	388	4634	4595	-1161	14606	0	14606	2328	16934	49.99
18	5508	99	272	5879	244	4713	0	210	4685	4699	-1140	14605	0	14605	2298	16903	49.99
19	5579	165	272	6016	254	4578	0	36	4899	4731	-1080	14536	0	14536	2322	16858	49.97
20	5533	929	262	6724	428	4647	0	0	4717	4582	-829	15552	0	15552	2459	18011	49.84
21	5589	1200	273	7062	696	4500	0	0	4474	4251	-733	15776	0	15776	2505	18282	49.89
22	5551	985	278	6814	735	4507	0	0	4148	4066	-759	15363	0	15363	2542	17905	49.98
23	5494	891	277	6662	793	4500	0	0	4003	4037	-827	15165	0	15165	2587	17752	49.94
24	5505	460	298	6263	839	4482	0	0	4263	4084	-990	14678	0	14678	2648	17326	50.03
MUs	131.00	7.23	6.63	144.86	5.99	113.24	0.00	5.00	107.67	105.63	-23.90	350.82	0.00	350.82	54.81	405.63	49.98

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 21/Jul/2019

Position as on 6.30 Hrs of 22/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 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 U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	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	22/07/2019	05.34	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	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 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.	
MSPGCL	Uran Unit 8	108	22/07/2019	03.08		Continued.	Turbine bearing Vabration high	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Tripping for 21/Jul/2019

Statement-VII

Position as on 6.30 Hrs of 22/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/Tripping							
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
400 KV ICT Outages/Tripping							
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.
400/220/33 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/Tripping							
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)
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
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.

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