

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/Jul/2019 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	132.504	2732.953	1) Gujrat	-3.814	-69.727
2) Hydro	3.677	134.119	2) Madhya Pradesh	5.801	214.175
3) Gas	7.832	190.204	3) Chattisgarh	1.870	90.080
Total MSPGCL	144.013	3057.276	4) Maharashtra	120.364	2318.205
B) 1) APML	59.934	1431.176	5) Goa (Amona)	-0.286	-10.450
2) JSWEL	24.707	510.352	Total	123.935	2542.283
3) VIPL	0.000	0.000	a) Mumbai Schedule	22.089	514.343
4) RPL(AMT)	25.010	95.029	b) Mumbai Drawl	32.000	659.629
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	11.039	192.566
6) Other IPP	2.372	57.094	Include PX	-1.381	-106.770
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	22.089	514.343
C) 1) TPCL Thermal	13.748	307.572	Include PX	7.838	153.927
2) TPCL Hydro	7.020	108.068	Standby	0.000	0.000
3) TPCL Gas	4.016	89.424	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.653	224.825	1) MSEDCL	385.334	8086.139
D) STATE			2) Mumbai Discoms	66.437	1389.521
1) Thermal	267.928	5359.001	TOTAL STATE	451.771	9475.660
(A1+C1+C4+(B1-B6))					
2) Hydro (A2+C2)	10.697	242.187			
3) Gas (A3+B7+C3)	11.848	279.628			
4) Wind	31.487	940.756			
6) SOLAR	5.876	111.802			
TOTAL STATE	327.836	6933.374			

* 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 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5664	5557	5288	5241
MSPGCL Hydro	88	175	313	135
MSPGCL Gas	366	273	389	279
MSPGCL Total Generation	6118	6005	5990	5655
Central Sector Receipt	5642	5750	5943	4446
WIND	1138	738	1282	1471
CPP / IPP Thermal	4611	4965	4936	4180
CPP / IPP Gas	0	0	0	0
SOLAR	742	530	0	0
Exchange with Mumbai	-1783	-1422	-1384	-1070
MSEDCL DEMAND MET	16468	16566	16767	14682
Load Shedding	0	0	0	0
MSEDCL DEMAND	16468	16566	16767	14682
TPCL GENERATION	1141	1294	1178	645
AEML GENERATION	376	493	383	374
MUMBAI DEMAND	3300	3209	2945	2089
STATE DEMAND MET	19768	19775	19712	16771
STATE DEMAND	19768	19775	19712	16771
Frequency (Hz)	50.03	49.95	49.95	49.89

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 08.01 Hrs	49.66 Hz at 06.14 Hrs	49.97	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 23/Jul/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.26	49.29	160	120
Unit 7	3.01	32.53	140	100
Unit 8	10.84	170.31	500	400
Unit 9	0.00	154.80	0	0
Unit 10	0.10	112.68	72	0
Total	17.21	519.61		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	11.04	229.58	505	370
Unit 5	10.82	215.16	500	360
Total	21.87	444.74		
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	3.99	55.42	180	150
Unit 4	3.25	72.29	160	107
Unit 5	7.99	173.25	360	301
Unit 6	7.56	168.77	365	185
Unit 7	8.30	174.12	374	295
Unit 8	10.56	190.75	480	375
Unit 9	10.71	126.88	480	395
Total	52.35	961.49		
Paras				
Unit 3	2.66	114.35	240	0
Unit 4	4.94	94.82	250	165
Total	7.59	209.17		
Khaparkheda				
Unit 1	3.47	75.62	165	115
Unit 2	3.50	61.91	155	115
Unit 3	4.05	77.92	183	138
Unit 4	0.00	60.36	0	0
Unit 5	10.04	101.90	460	385
Total	21.06	377.71		
Nasik				
Unit 3	3.97	75.19	188	145
Unit 4	4.22	85.32	194	159
Unit 5	4.22	59.72	194	160
Total	12.41	220.24		
Uran				
All Units	7.83	190.20	402	266
Total	7.83	190.20		
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	1.79	48.59	310	40
Stage 4	0.22	16.27	217	0
Stage 3	0.95	31.78	88	0
Total	2.96	96.65		
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.	0.42	9.46	40	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.05	5.81	33	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	2.40	0	0
GHATGHAR	0.25	13.28	125	0
Total	0.72	37.47		
Wind				
Total	31.49	940.76	0	0
Total	31.49	940.76		
CPP				
APML(Mus)	59.93	1431.18	0	0
JSWEL(Mus)	24.71	510.35	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	25.01	95.03	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	2.37	57.09	0	0
Total	112.02	2093.65		
SOLAR				
Total	5.88	111.80	0	0
Total	5.88	111.80		
Tata				
Trombay 5	8.85	194.73	481	285
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.52	55.60	116	68
Trombay 7B	1.50	33.83	66	50
Trombay 8	4.90	112.84	226	196
TATA Hydro	7.02	108.07	450	4
Total	24.78	505.06		
AEML				
DTPS U-1&2	9.65	224.82	500	373
Total	9.65	224.82		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	132.50	2732.95	MSPGCL Total	144.01	3057.28
			MSPGCL Thml+Gas	140.34	2923.16	Koyna 1,2 & 4 Total	2.01	64.87
			MSPGCL Hydro	3.68	134.12	State Total	327.84	6933.37

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/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	5719	133	280	6132	1457	4567	0	0	4817	4653	-1229	15580	0	15580	2584	18164	50.00
2	5649	120	280	6049	1625	4447	0	0	4617	4381	-1221	15281	0	15281	2339	17620	49.97
3	5402	79	280	5761	1553	4391	0	0	4507	4409	-1128	14986	0	14986	2183	17169	49.91
4	5241	135	279	5655	1471	4180	0	0	4567	4446	-1070	14682	0	14682	2089	16771	49.89
5	5546	60	282	5888	1409	4414	0	0	4677	4414	-1060	15065	0	15065	2054	17119	49.97
6	5738	40	281	6059	1378	4536	0	0	5065	4948	-1103	15818	0	15818	2129	17947	49.93
7	5755	297	288	6340	1413	4864	0	34	5378	4955	-972	16634	0	16634	2223	18857	49.87
8	5799	45	309	6153	1359	4602	0	161	5468	5178	-1074	16379	0	16379	2366	18745	50.02
9	5699	67	327	6093	1347	4519	0	367	5196	5464	-1289	16501	0	16501	2684	19185	50.01
10	5572	121	349	6042	1290	4519	0	558	5289	5500	-1514	16395	0	16395	3017	19412	49.99
11	5791	125	363	6279	1210	4651	0	687	5544	5335	-1742	16420	0	16420	3257	19677	50.01
12	5664	88	366	6118	1138	4611	0	742	5499	5642	-1783	16468	0	16468	3300	19768	50.03
13	5544	220	393	6157	1004	4602	0	718	5569	5570	-1745	16306	0	16306	3264	19570	50.00
14	5568	80	312	5960	906	4605	0	752	5698	5436	-1632	16027	0	16027	3148	19175	50.01
15	5560	372	275	6207	658	4756	0	670	5593	5525	-1633	16183	0	16183	3185	19368	49.94
16	5557	175	273	6005	738	4965	0	530	5843	5750	-1422	16566	0	16566	3209	19775	49.95
17	5469	160	266	5895	985	4988	0	380	5798	5732	-1413	16567	0	16567	3206	19773	49.98
18	5378	160	301	5839	1003	4789	0	234	5813	5301	-1443	15723	0	15723	3128	18851	50.00
19	5332	160	355	5847	1230	4697	0	43	5696	5511	-1450	15878	0	15878	3032	18910	50.02
20	5288	313	389	5990	1282	4936	0	0	5624	5943	-1384	16767	0	16767	2945	19712	49.95
21	5229	299	385	5913	1521	5069	0	0	5483	5477	-1156	16824	0	16824	2872	19696	49.92
22	5235	167	397	5799	1713	5001	0	0	5304	5099	-1100	16512	0	16512	2787	19299	50.00
23	5332	126	400	5858	1838	4701	0	0	5017	4880	-1190	16087	0	16087	2757	18844	49.95
24	5437	135	402	5974	1959	4613	0	0	4809	4386	-1247	15685	0	15685	2679	18364	49.98
MUs	132.50	3.68	7.83	144.01	31.49	112.02	0.00	5.88	126.87	123.94	-32.00	385.33	0.00	385.33	66.44	451.77	49.97

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 23/Jul/2019

Position as on 6.30 Hrs of 24/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	Khaparkhedda 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-1	270	30/06/2019	16.00	23/07/2019	04.54	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	23/07/2019	21.45	Boiler Tube Leakage	
MSPGCL	Uran Unit B0	120	21/07/2019	00.17	23/07/2019	11.30	Boiler Maintenance work	
IPP	Adani U-2	660	21/07/2019	20.02	24/07/2019	06.26	Air pre heater problem.	
MSPGCL	Uran Unit 8	108	22/07/2019	03.08	23/07/2019	06.42	Turbine bearing Vibration high	
MSPGCL	Paras Unit 3	250	23/07/2019	12.05		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit B0	120	23/07/2019	13.19	23/07/2019	19.20	Boiler Tube Leakage	
MSPGCL	Uran Unit 8	108	23/07/2019	13.19	23/07/2019	16.57	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jul/2019

Statement-VII

Position as on 6.30 Hrs of 24/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 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 Kept out due to over voltage)
Padgha Tarapur II	InterState	23/07/2019	11.09	23/07/2019	19.48	PO	REPLACEMENT OF LINE CT DUE TO OIL LEKAGE.
Dhule Sar'Sarovar I	InterState	23/07/2019	14.32		Continued.	PO	FOR REPLACEMENT OF FLASH OVER STRING.(kept out due to over voltage)
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	22/07/2019	18.20		Continued.	T	Over Voltage
Babhleshwar - RIPL(Nashik)	IntraState	23/07/2019	10.10		Continued.	PO	Testing Work
Nagothane - Dabhol-II	IntraState	23/07/2019	13.27	23/07/2019	17.50	PO	HOT SPOT ON CT.
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 500MVA ICT-I @Nanded	IntraState	23/07/2019	12.46	23/07/2019	17.50	PO	OSR
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)
Talandge(400kv)- Ichalkaranji ckt-1	IntraState	23/07/2019	09.23	23/07/2019	16.10	PO	CT JUMPER REPLACEMENT WORK AT KOLHAPUR END.
Badnera-Akola I	IntraState	23/07/2019	09.23	23/07/2019	13.47	PO	TAN DELTA MEASURE OF CT DAIGONISTIC TESTING WORK.
Theur-Jejuri	IntraState	23/07/2019	10.22	23/07/2019	15.39	PO	FIXING OF JUMPER NUT BOLT AT VARIOUS LOCATION.
ACCIL - Apta	IntraState	23/07/2019	10.35	23/07/2019	15.30	PO	INSULATOR REPLACEMENT WORK.
Trombay - Kalwa	IntraState	23/07/2019	13.34	23/07/2019	14.00	PO	METAL OBJECT REMOVING WORK FROM CT.
Paras-Chikhali Ckt No-I	IntraState	23/07/2019	14.12	23/07/2019	15.51	PO	DC SEPARATION OF RELAY AND CONTROL PANEL.
Phursungi-Parvati	IntraState	23/07/2019	15.03	23/07/2019	16.12	PO	Attending Oil Leakage
220 KV ICT Outages/Trippings							
220/132kv 150MVA ICT-II @ Bhenda	IntraState	23/07/2019	09.15	23/07/2019	19.30	PO	OLTC OVERHAULING AND DM BOX REPAIRING WORK.

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