

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 31/Jul/2019 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	72.385	3584.541	1) Gujrat	-2.311	-97.390
2) Hydro	8.248	181.985	2) Madhya Pradesh	10.247	277.921
3) Gas	9.189	260.023	3) Chattisgarh	2.810	110.980
Total MSPGCL	89.822	4026.549	4) Maharashtra	81.981	2981.654
B) 1) APML	64.328	1903.743	5) Goa (Amona)	-0.748	-15.290
2) JSWEL	21.891	681.477	Total	91.979	3257.875
3) VIPL	0.000	0.000	a) Mumbai Schedule	21.546	695.304
4) RPL(AMT)	0.000	137.375	b) Mumbai Drawl	27.284	891.127
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	2.498	251.140
6) Other IPP	2.251	74.823	Include PX	-11.371	-157.164
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	21.546	695.304
C) 1) TPCL Thermal	13.051	405.410	Include PX	5.523	205.791
2) TPCL Hydro	4.676	142.707	Standby	0.000	0.000
3) TPCL Gas	3.720	119.702	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.864	298.729	1) MSEDCL	302.157	10733.361
D) STATE			2) Mumbai Discoms	58.595	1857.679
1) Thermal	183.770	7086.098	TOTAL STATE	360.752	12591.040
(A1+C1+C4+(B1-B6))					
2) Hydro	12.924	324.692			
(A2+C2)					
3) Gas	12.909	379.725			
(A3+B7+C3)					
4) Wind	56.615	1407.902			
6) SOLAR	2.555	134.744			
TOTAL STATE	268.773	9333.161			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	3263	2922	2970	2991
MSPGCL Hydro	438	223	1096	184
MSPGCL Gas	373	373	386	393
MSPGCL Total Generation	4074	3518	4452	3568
Central Sector Receipt	4722	4525	4271	2500
WIND	2188	2834	2305	2251
CPP / IPP Thermal	4028	3344	4121	3528
CPP / IPP Gas	0	0	0	0
SOLAR	237	409	0	0
Exchange with Mumbai	-1212	-1602	-1148	-707
MSEDCL DEMAND MET	14037	13028	14001	11140
Load Shedding	0	0	0	0
MSEDCL DEMAND	14037	13028	14001	11140
TPCL GENERATION	1122	987	1114	645
AEML GENERATION	487	374	432	375
MUMBAI DEMAND	2821	2963	2694	1727
STATE DEMAND MET	16858	15991	16695	12867
STATE DEMAND	16858	15991	16695	12867
Frequency (Hz)	50.02	50.06	49.91	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 13.02 Hrs	49.71 Hz at 06.14 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 31/Jul/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	59.84	0	0
Unit 7	0.00	42.59	0	0
Unit 8	0.00	190.87	0	0
Unit 9	0.00	154.80	0	0
Unit 10	0.00	180.33	0	0
Total	0.00	628.43		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	9.49	299.50	465	355
Unit 5	9.26	283.80	450	350
Total	18.75	583.29		
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	0.00	74.15	0	0
Unit 4	1.73	92.82	86	59
Unit 5	0.85	221.21	300	0
Unit 6	7.09	233.99	365	215
Unit 7	0.00	200.26	0	0
Unit 8	5.93	253.46	260	166
Unit 9	6.15	189.74	270	240
Total	21.74	1265.62		
Paras				
Unit 3	4.40	142.36	235	136
Unit 4	3.30	130.87	165	125
Total	7.71	273.23		
Khaparkheda				
Unit 1	1.82	100.32	115	35
Unit 2	1.68	85.10	100	0
Unit 3	2.94	105.25	134	104
Unit 4	0.00	60.36	0	0
Unit 5	6.95	171.42	350	262
Total	13.39	522.44		
Nasik				
Unit 3	3.50	105.09	186	139
Unit 4	3.53	115.85	165	126
Unit 5	3.76	90.59	186	123
Total	10.80	311.53		
Uran				
All Units	9.19	260.02	396	373
Total	9.19	260.02		
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	2.68	64.14	490	40
Stage 4	0.85	17.65	250	0
Stage 3	2.12	47.19	160	0
Total	5.66	128.98		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	1.16	0	0
TILLARI	0.66	9.26	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.44	12.86	40	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.32	8.53	24	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.33	4.11	14	13
GHATGHAR	0.84	17.08	225	0
Total	2.59	53.00		
Wind				
Total	56.62	1407.90	0	0
Total	56.62	1407.90		
CPP				
APML(Mus)	64.33	1903.74	0	0
JSWEL(Mus)	21.89	681.48	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	137.38	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	2.25	74.82	0	0
Total	88.47	2797.42		
SOLAR				
Total	2.56	134.74	0	0
Total	2.56	134.74		
Tata				
Trombay 5	8.27	254.55	463	283
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.28	74.26	116	59
Trombay 7B	1.44	45.44	67	48
Trombay 8	4.78	150.86	213	187
TATA Hydro	4.68	142.71	371	8
Total	21.45	667.82		
AEML				
DTPS U-1&2	9.86	298.73	500	373
Total	9.86	298.73		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	72.38	3584.54	MSPGCL Total	89.82	4026.55
			MSPGCL Thml+Gas	81.57	3844.56	Koyna 1,2 & 4 Total	3.54	81.79
			MSPGCL Hydro	8.25	181.98	State Total	268.77	9333.16

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 31/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	3363	172	374	3909	2289	3492	0	0	2405	2534	-973	11251	0	11251	2010	13261	50.02
2	3324	134	384	3842	2254	3411	0	0	2398	2615	-844	11278	0	11278	1863	13141	50.02
3	3247	164	374	3785	2263	3535	0	0	2601	2350	-753	11180	0	11180	1772	12952	50.01
4	2991	184	393	3568	2251	3528	0	0	2432	2500	-707	11140	0	11140	1727	12867	50.00
5	2975	189	386	3550	2224	3509	0	0	2761	2895	-700	11478	0	11478	1716	13194	50.01
6	2990	189	373	3552	2218	3488	0	0	4011	3837	-822	12273	0	12273	1835	14108	49.99
7	3087	446	381	3914	2121	3577	0	14	4334	4359	-983	13002	0	13002	2006	15008	49.94
8	3266	570	383	4219	2057	3874	0	70	4472	4610	-971	13859	0	13859	2229	16088	50.05
9	3213	431	383	4027	2181	3989	0	179	4583	4638	-1044	13970	0	13970	2534	16504	50.01
10	3263	438	373	4074	2188	4028	0	237	4667	4722	-1212	14037	0	14037	2821	16858	50.02
11	3120	226	391	3737	2464	3980	0	269	4938	4731	-1599	13582	0	13582	3006	16588	50.03
12	2922	228	391	3541	2666	3528	0	373	4728	4629	-1643	13094	0	13094	3052	16146	50.03
13	2922	223	373	3518	2834	3344	0	409	4396	4525	-1602	13028	0	13028	2963	15991	50.06
14	2891	178	383	3452	2718	3203	0	330	3998	4161	-1530	12334	0	12334	2825	15159	50.06
15	2920	154	382	3456	2575	3184	0	271	4168	4025	-1459	12052	0	12052	2824	14876	49.93
16	2827	154	374	3355	2665	3219	0	169	4320	3949	-1516	11841	0	11841	2821	14662	50.01
17	2882	153	396	3431	2528	3258	0	147	4333	4166	-1438	12092	0	12092	2768	14860	49.96
18	2826	222	388	3436	2688	3335	0	75	4264	4680	-1413	12801	0	12801	2759	15560	50.04
19	2858	530	383	3771	2548	3740	0	12	4495	4521	-1419	13173	0	13173	2718	15891	49.99
20	2970	1096	386	4452	2305	4121	0	0	4186	4271	-1148	14001	0	14001	2694	16695	49.91
21	2916	829	386	4131	2060	4234	0	0	3742	3887	-898	13414	0	13414	2605	16019	50.01
22	2843	666	384	3893	2136	4284	0	0	3306	3409	-803	12919	0	12919	2456	15375	50.02
23	2876	459	383	3718	2166	4286	0	0	2867	2972	-795	12347	0	12347	2339	14686	50.01
24	2893	213	385	3491	2216	4323	0	0	3084	2993	-1012	12011	0	12011	2252	14263	50.02
MUs	72.39	8.25	9.19	89.82	56.62	88.47	0.00	2.56	91.49	91.98	-27.28	302.16	0.00	302.16	58.59	360.75	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 31/Jul/2019

Position as on 6.30 Hrs of 01/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	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	Koyna 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		Continued.	Annual Overhaul	
MSPGCL	Chandrapur Unit 7	500	27/07/2019	00.00		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 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	
IPP	RPL(AMT) U-2	270	25/07/2019	02.00		Continued.	Zero Schedule	
IPP	RPL(AMT) U-1	270	25/07/2019	08.00		Continued.	Zero schedule.	
IPP	RPL(AMT) U-3	270	25/07/2019	18.00		Continued.	Zero Schedule	
MSPGCL	Koradi Unit-8	660	26/07/2019	00.15		Continued.	Air heater problem	
IPP	RPL(AMT) U-4	270	26/07/2019	01.09		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-5	270	26/07/2019	20.00		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Koradi Unit 6	210	27/07/2019	15.32		Continued.	Zero Schedule.	
MSPGCL	Koradi Unit 7	210	27/07/2019	15:47		Continued.	Zero Schedule.	
MSPGCL	Chandrapur Unit 3	210	30/07/2019	08.05		Continued.	Zero Schedule.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 31/Jul/2019

Position as on 6.30 Hrs of 01/Aug/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Koradi Unit 10	660	30/07/2019	23.37		Continued.	ZERO SCHEDULE.	
MSPGCL	Chandrapur Unit 5	500	31/07/2019	02.59		Continued.	ZERO SCHEDULE.	
MSPGCL	Khaparkheda Unit 2	210	31/07/2019	19.30	31/07/2019	22.47	Flame Failure	
MSPGCL	Nasik Unit 4	210	01/08/2019	05.30		Continued.	Wet Coal	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Jul/2019

Statement-VII

Position as on 6.30 Hrs of 01/Aug/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 2	IntraState	31/07/2019	12.57	31/07/2019	16.46	T	R Phase CVT Burst of Bus A
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	26/07/2019	19.03		Continued.	HT	Over Voltage
Padgha - Boisar (PG)	InterState	31/07/2019	12.57		Continued.	T	R Phase CVT Burst of Bus A
Padgha Tarapur II	InterState	31/07/2019	12.57	31/07/2019	20.40	T	R Phase CVT Burst of Bus A
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
Dhule - Bableswhar - II	IntraState	25/07/2019	21.47		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	30/07/2019	13.59	31/07/2019	09.17	PO	Relay Maint.work(RFC 16.04Hrs)
Chandrapur-II - Nanded ckt II	IntraState	30/07/2019	23.38		Continued.	T	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	31/07/2019	03.28	31/07/2019	07.55	HT	Over Voltage
Padghe - Nagothane - I	IntraState	31/07/2019	12.57	31/07/2019	19.28	T	R Phase CVT Burst of Bus A
Babhaleswhar - Padghe-I	IntraState	31/07/2019	12.57	31/07/2019	15.24	T	R Phase CVT Burst of Bus A
Bus Coupler @ Padgha	IntraState	31/07/2019	12.57	31/07/2019	19.41	T	R Phase CVT Burst of Bus A
Karad - Jaigad - II	IntraState	31/07/2019	21.46		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	01/08/2019	00.03		Continued.	HT	Over Voltage
Akola-Nandgaonpeth (RPL)	IntraState	01/08/2019	02.48		Continued.	T	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.
400/220/33kv 500MVA ICT 5 @ Padghe	IntraState	31/07/2019	12.57	31/07/2019	21.26	T	R Phase CVT Burst of Bus A
400/220/33 Kv 315 Mva ICT 2 @Padghe	IntraState	31/07/2019	12.57	31/07/2019	14.59	T	R Phase CVT Burst of Bus A
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)
Ongc Panvel - Tss Panvel	IntraState	30/07/2019	10.40	31/07/2019	23.10	PO	REPLACEMENT OF ONGC OPGW WIRE AT LOCATION NO.3&4 .
Nashik-Padgha	IntraState	30/07/2019	11.48	31/07/2019	20.28	PO	FOR LINE LOAD CONTROL.
Eklahara(Gcr)(Nasik)- Bableswhar-I	IntraState	30/07/2019	12.44	31/07/2019	20.15	PO	FOR PROJECT WORK AT GCR END.
Malharpeth - Karad(400kv)	IntraState	31/07/2019	04.58	31/07/2019	05.27	T	Distance Protection
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	31/07/2019	06.18	31/07/2019	06.37	T	Distance Protection
VILEBHAGAD KANDALGAON	IntraState	31/07/2019	07.00	31/07/2019	11.40	PO	Line Maintenance work
Parly-Parly Extn.-II	IntraState	31/07/2019	10.10	31/07/2019	11.48	EO	To attend Hot Spot
Nanded-Nanded(Waghale) I	IntraState	31/07/2019	13.36	31/07/2019	14.53	EO	To attend Hot Spot
Pophali - Nerale	IntraState	31/07/2019	15.57		Continued.	T	Distance Protection
New Koyna - Pedambe	IntraState	31/07/2019	15.57	31/07/2019	21.55	T	Distance Protection Y Phase
Karad-Nerle	IntraState	31/07/2019	15.57		Continued.	T	Tripped at Nerle end only
TPC Borivali Aarey Line 1	IntraState	31/07/2019	22.54	01/08/2019	05.41	PO	Metro work

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 31/Jul/2019

Statement-VII

Position as on 6.30 Hrs of 01/Aug/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 200 Mva Ict - 1 @Harangul	IntraState	31/07/2019	05.43	31/07/2019	09.28	T	Buccholz Protection Optd
220/66 Kv 150 Mva Emco Ict 2 @Gadchandur	IntraState	31/07/2019	13.05	31/07/2019	17.10	PO	REPL of Differential Relay