

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 27/Jul/2019 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	111.474	3217.087	1) Gujrat	-4.768	-83.602
2) Hydro	6.218	154.654	2) Madhya Pradesh	6.009	243.903
3) Gas	8.942	223.807	3) Chattisgarh	2.460	99.060
Total MSPGCL	126.634	3595.548	4) Maharashtra	62.246	2673.401
B) 1) APML	56.126	1662.031	5) Goa (Amona)	-0.748	-12.760
2) JSWEL	21.042	598.012	Total	65.199	2920.002
3) VIPL	0.000	0.000	a) Mumbai Schedule	22.932	609.378
4) RPL(AMT)	0.000	137.375	b) Mumbai Drawl	28.656	782.306
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	7.854	230.408
6) Other IPP	2.222	66.411	Include PX	-5.932	-126.240
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	22.932	609.378
C) 1) TPCL Thermal	11.910	356.287	Include PX	8.109	183.589
2) TPCL Hydro	2.403	125.185	Standby	0.000	0.000
3) TPCL Gas	3.776	105.608	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.973	260.987	1) MSEDCL	318.316	9489.634
D) STATE			2) Mumbai Discoms	55.718	1630.377
1) Thermal	211.747	6298.190	TOTAL STATE	374.034	11120.011
(A1+C1+C4+(B1-B6))					
2) Hydro	8.621	279.839			
(A2+C2)					
3) Gas	12.718	329.415			
(A3+B7+C3)					
4) Wind	72.786	1166.216			
6) SOLAR	2.963	126.345			
TOTAL STATE	308.835	8200.005			

* 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 18 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4848	4414	4436	4687
MSPGCL Hydro	271	411	358	160
MSPGCL Gas	385	367	380	381
MSPGCL Total Generation	5504	5192	5174	5228
Central Sector Receipt	2992	3205	3870	1545
WIND	3259	3089	2830	3053
CPP / IPP Thermal	3236	3230	3632	3285
CPP / IPP Gas	0	0	0	0
SOLAR	310	92	0	0
Exchange with Mumbai	-1262	-1337	-1332	-800
MSEDCL DEMAND MET	14039	13471	14174	12311
Load Shedding	0	0	0	0
MSEDCL DEMAND	14039	13471	14174	12311
TPCL GENERATION	890	820	836	624
AEML GENERATION	373	374	374	374
MUMBAI DEMAND	2525	2531	2542	1798
STATE DEMAND MET	16564	16002	16716	14109
STATE DEMAND	16564	16002	16716	14109
Frequency (Hz)	50.01	49.96	49.93	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 13.05 Hrs	49.78 Hz at 14.17 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 27/Jul/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	1.28	59.84	155	0
Unit 7	1.37	42.59	110	0
Unit 8	0.00	190.87	0	0
Unit 9	0.00	154.80	0	0
Unit 10	10.91	153.24	470	400
Total	13.56	601.33		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	8.58	264.24	365	350
Unit 5	8.62	248.70	365	350
Total	17.21	512.94		
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	3.31	70.16	161	58
Unit 4	3.11	85.31	160	87
Unit 5	8.60	196.58	366	330
Unit 6	8.50	202.46	375	320
Unit 7	0.00	200.26	0	0
Unit 8	8.76	226.03	455	360
Unit 9	8.68	161.60	402	360
Total	40.96	1142.41		
Paras				
Unit 3	4.73	123.63	204	187
Unit 4	4.65	113.69	245	185
Total	9.38	237.32		
Khaparkheda				
Unit 1	3.54	89.59	160	75
Unit 2	2.80	75.32	145	0
Unit 3	3.59	93.03	160	134
Unit 4	0.00	60.36	0	0
Unit 5	8.94	138.35	380	350
Total	18.86	456.65		
Nasik				
Unit 3	3.75	90.36	164	149
Unit 4	3.89	100.89	168	151
Unit 5	3.86	75.18	167	151
Total	11.50	266.43		
Uran				
All Units	8.94	223.81	393	338
Total	8.94	223.81		
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	2.10	55.51	230	40
Stage 4	0.00	16.60	0	0
Stage 3	2.45	38.29	160	0
Total	4.55	110.41		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	1.16	0	0
TILLARI	0.48	7.37	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.42	11.20	40	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.52	6.75	29	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.25	2.92	11	10
GHATGHAR	0.00	14.86	0	0
Total	1.67	44.25		
Wind				
Total	72.79	1166.22	0	0
Total	72.79	1166.22		
CPP				
APML(Mus)	56.13	1662.03	0	0
JSWEL(Mus)	21.04	598.01	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)	2.22	66.41	0	0
Total	79.39	2463.83		
SOLAR				
Total	2.96	126.34	0	0
Total	2.96	126.34		
Tata				
Trombay 5	7.19	224.47	309	282
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.32	65.74	116	64
Trombay 7B	1.45	39.87	67	50
Trombay 8	4.72	131.82	198	194
TATA Hydro	2.40	125.18	233	10
Total	18.09	587.08		
AEML				
DTPS U-1&2	8.97	260.99	376	372
Total	8.97	260.99		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	111.47	3217.09	MSPGCL Total	126.63	3595.55
			MSPGCL Thml+Gas	120.42	3440.89	Koyna 1,2 & 4 Total	2.10	72.11
			MSPGCL Hydro	6.22	154.65	State Total	308.84	8200.00

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 27/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	4653	193	359	5205	3098	3362	0	0	2355	2138	-1101	12702	0	12702	2112	14814	50.02
2	4750	201	369	5320	3181	3300	0	0	1938	1941	-976	12766	0	12766	1977	14743	50.02
3	4716	165	373	5254	2958	3251	0	0	2082	1683	-877	12269	0	12269	1877	14146	50.04
4	4687	160	381	5228	3053	3285	0	0	1705	1545	-800	12311	0	12311	1798	14109	50.05
5	4653	160	385	5198	2987	3274	0	0	1738	1765	-777	12447	0	12447	1780	14227	49.99
6	4807	165	383	5355	3003	3243	0	0	2681	2446	-817	13230	0	13230	1829	15059	50.04
7	4815	221	382	5418	3064	3224	0	15	3231	3074	-872	13923	0	13923	1877	15800	49.96
8	4876	221	378	5475	3092	3215	0	103	2972	3301	-959	14227	0	14227	2015	16242	50.03
9	4826	220	391	5437	3242	3201	0	228	2993	3092	-1064	14136	0	14136	2246	16382	50.00
10	4848	271	385	5504	3259	3236	0	310	3122	2992	-1262	14039	0	14039	2525	16564	50.01
11	4808	311	373	5492	3161	3224	0	430	2836	2895	-1503	13699	0	13699	2751	16450	50.07
12	4864	429	359	5652	3076	3221	0	334	2447	2855	-1536	13602	0	13602	2823	16425	50.04
13	4827	369	383	5579	2946	3213	0	369	2731	2625	-1546	13186	0	13186	2788	15974	50.05
14	4844	279	383	5506	2921	3233	0	385	2491	2343	-1508	12880	0	12880	2651	15531	50.07
15	4751	334	380	5465	2983	3206	0	306	2264	2243	-1447	12756	0	12756	2630	15386	49.98
16	4642	355	383	5380	3014	3212	0	224	2243	2382	-1408	12804	0	12804	2598	15402	49.99
17	4494	502	368	5364	3066	3206	0	157	2351	2675	-1355	13113	0	13113	2547	15660	49.94
18	4414	411	367	5192	3089	3230	0	92	2764	3205	-1337	13471	0	13471	2531	16002	49.96
19	4423	404	393	5220	2860	3313	0	10	3558	3646	-1368	13681	0	13681	2529	16210	49.98
20	4436	358	380	5174	2830	3632	0	0	3894	3870	-1332	14174	0	14174	2542	16716	49.93
21	4539	87	352	4978	3050	3889	0	0	3935	3407	-1248	14076	0	14076	2467	16543	50.05
22	4333	79	338	4750	2928	3540	0	0	3408	3320	-1216	13322	0	13322	2360	15682	50.02
23	4260	244	347	4851	3014	3371	0	0	2794	3008	-1193	13051	0	13051	2266	15317	49.98
24	4208	79	350	4637	2911	3309	0	0	3017	2748	-1154	12451	0	12451	2199	14650	50.04
MUs	111.47	6.22	8.94	126.63	72.79	79.39	0.00	2.96	65.55	65.20	-28.66	318.32	0.00	318.32	55.72	374.03	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 27/Jul/2019

Position as on 6.30 Hrs of 28/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	
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	
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	
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	26/07/2019	22.39	27/07/2019	04.50	Zero Schedule.	
MSPGCL	Koradi Unit 6	210	27/07/2019	15.32		Continued.	Flame Failure	
MSPGCL	Koradi Unit 7	210	27/07/2019	15:47		Continued.	Zero Schedule.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 27/Jul/2019

Position as on 6.30 Hrs of 28/Jul/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Khaparkhedda Unit 2	210	27/07/2019	19.29	27/07/2019	22.31	Loss of 220 Volt DC.	
MSPGCL	Uran Unit B0	120	27/07/2019	20.18	28/07/2019	03.21	Insulator String Broken.	
MSPGCL	Chandrapur Unit 3	210	28/07/2019	19.33		Continued.	Flame Failure	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jul/2019

Statement-VII

Position as on 6.30 Hrs of 28/Jul/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV ICT Outages/Trippings							
765/400 KV 1500 MVA ICT II @ Aurangabad (Ektuni)	IntraState	27/07/2019	10.10	27/07/2019	19.27	PO	Diagnostic Testing And Routine Maintenance.
765/400KV 500MVA SPARE ICT UNIT @ AURANGABAD (EKTUNI)	IntraState	27/07/2019	10.26	27/07/2019	19.29	PO	Safety Point of View.
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
Dabhol Newkoyana li	InterState	28/07/2019	03.32	28/07/2019	09.14	HT	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
Dhule - Bableshwar - II	IntraState	25/07/2019	21.47		Continued.	HT	Over Voltage
Chandrapur-II - Nanded ckt II	IntraState	26/07/2019	06.12	27/07/2019	17.13	T	Distance Protection(Earth Wire broken at Loc.497)
Deepnagar Taptitanda	IntraState	26/07/2019	23.29	27/07/2019	09.54	EO	Insulator Replacement Work
Padghe - Nagothane - I	IntraState	27/07/2019	07.34		Continued.	T	Distance Protection, String Broken At Loc 87.
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 315 Mva Ict- 2 @Kharghar	IntraState	27/07/2019	09.38	27/07/2019	18.36	PO	Installation of Msense Bushing Monitoring System.
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)
Ambazari-Amravati	IntraState	24/07/2019	10.47	28/07/2019	12.40	PO	Construction Work.
Eklahara(Gcr)(Nasik)- Bableshwar 2	IntraState	26/07/2019	10.10	27/07/2019	20.23	PO	Replacement of Existing CTs RCC Structure
Trombay MSETCL Tie 1	IntraState	26/07/2019	15.37	27/07/2019	16.09	T	Tripped at Trombay end
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	27/07/2019	01.01	27/07/2019	08.59	T	Distance Protection, Y-N, Z-1, 4 KM. 17.86KA.
Uran - Apta II	IntraState	27/07/2019	06.54	27/07/2019	18.44	T	R Phase Fault.
Apta - Hoc	IntraState	27/07/2019	06.54	27/07/2019	07.25	T	LBB operated
Apta - Bombay Dyeing	IntraState	27/07/2019	06.54	27/07/2019	07.16	T	LBB operated
Apta - Kalwa1	IntraState	27/07/2019	06.54	27/07/2019	07.14	T	LBB operated
Apta - Tambati	IntraState	27/07/2019	06.54	27/07/2019	07.12	T	LBB operated
Nagar-Babhaleshwar Ckt II	IntraState	27/07/2019	10.47	27/07/2019	19.53	PO	Attending Low Clearance And Maintenance of Line.
Theur-Phursungi	IntraState	27/07/2019	11.25	27/07/2019	21.46	PO	Relay Replacement Work.
Kalwa - Borivali	IntraState	27/07/2019	12.03	27/07/2019	13.21	EO	Attending Hot Spot
Shivajinagar-Gangapur	IntraState	27/07/2019	12.08	27/07/2019	13.55	T	CKT Tripped At Shivaji Ngr End Only. BKR To Isolator Jumper of B Bus Coupler Open.
Satana-Gangapur	IntraState	27/07/2019	12.09	27/07/2019	18.03	T	Distance Protection, BKR To Isolator of B Bus Coupler Open.
Uran - Kharghar 2	IntraState	27/07/2019	12.52	27/07/2019	20.00	T	Distance Protection, Z1, Y-Phase, 11.3KM. 79.95A. Jumper Broken.
Virur - Gadchiroli	IntraState	27/07/2019	20.29	27/07/2019	20.47	T	Distance Protection, Z1, R-Ph, 2.5KM. IF=5KA.
Trombay MSETCL Tie 1	IntraState	28/07/2019	12.28	28/07/2019	16.24	PO	TBR Installation.

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 27/Jul/2019

Statement-VII

Position as on 6.30 Hrs of 28/Jul/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
EKLAHRE (GCR)Nashik-Airoli Knowledge Park	IntraState	28/07/2019	12.50	28/07/2019	14.38	T	Distance Protection,Z-2,R- Ph.1.8Ka.99.34KM From Nashik.
Kalwa1- Airoli Knowledge Park	IntraState	28/07/2019	12.50	28/07/2019	14.01	T	Distance Protection,R- PH.4.06KA.38.1KM.
Pedambe-Nerle	IntraState	28/07/2019	12.50	28/07/2019	18.25	T	Y-PH Conductor Broken At Peambe End.
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT IV @Apta	IntraState	27/07/2019	06.54	27/07/2019	07.20	T	LBB operated
220/100 kv 200 MVA ICT III @Apta	IntraState	27/07/2019	06.54	27/07/2019	07.22	T	LBB operated