

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 15/Jul/2017 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	111.836	1572.960	1) Gujrat	-0.431	11.671
2) Hydro	5.150	94.153	2) Madhya Pradesh	14.478	268.777
3) Gas	9.532	125.924	3) Chattisgarh	6.830	122.380
Total MSPGCL	126.518	1793.037	4) Maharashtra Net	72.884	1362.044
B) 1) APML	45.875	927.503	5) Goa (Amona)	-0.440	-6.512
2) JSWEL	13.291	182.451	Total	93.321	1758.360
3) VIPL	5.309	93.899	a) Mumbai Schedule	19.632	335.007
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	26.867	431.231
5) WPCL	2.181	48.054	c) MSEDCL Bilateral *	10.659	342.117
6) PGPL	0.000	0.000	Include PX	-3.439	56.499
7) Other IPP	3.164	43.744	d) Mumbai Bilateral *	19.632	335.007
C) 1) TPCL Thermal	12.130	206.762	Include PX	5.680	110.429
2) TPCL Hydro	4.331	67.084	Include Standby	0.000	0.000
3) TPCL Gas	4.529	53.108	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.233	156.508	1) MSEDCL	320.076	5099.144
D) STATE			2) Mumbai Discoms	57.086	914.690
1) Thermal	203.019	3231.881	TOTAL STATE	377.162	6013.834
(A1+C1+C4+(B1-B6))					
2) Hydro (A2+C2)	9.481	161.237			
3) Gas (A3+B6+C3)	14.061	179.032			
4) Wind	55.539	657.402			
6) SOLAR	1.745	25.925			
TOTAL STATE	283.845	4255.477			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 9 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4700	4538	4630	4788
MSPGCL Hydro	225	199	739	173
MSPGCL Gas	405	393	389	398
MSPGCL Total Generation	5330	5130	5758	5359
Central Sector Receipt	4888	4627	4191	2593
WIND	2348	2563	2253	2129
CPP / IPP Thermal	3082	2824	2968	2803
CPP / IPP Gas	0	0	0	0
SOLAR	124	236	0	0
Exchange with Mumbai	-1050	-1502	-1175	-745
MSEDCL DEMAND MET	14722	13878	13995	12139
Load Shedding	0	0	0	0
MSEDCL DEMAND	14722	13878	13995	12139
TPCL GENERATION	876	978	1008	702
R-INFRA GENERATION	385	384	384	385
MUMBAI DEMAND	2311	2864	2567	1832
STATE DEMAND MET	17033	16742	16562	13971
STATE DEMAND	17033	16742	16562	13971
Frequency (Hz)	50.01	49.97	49.93	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 22.00 Hrs	49.83 Hz at 18.41 Hrs	49.99	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 15/Jul/2017

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
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	9.93	145.54	473	350
Unit 9	8.92	139.83	423	300
Unit 10	11.45	140.56	660	381
Total	30.30	425.93		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	8.80	34.58	390	360
Unit 5	2.14	22.97	370	0
Total	10.94	57.55		
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	0.00	0	0
Unit 4	4.07	65.74	190	160
Unit 5	8.63	138.51	385	340
Unit 6	9.13	144.50	435	352
Unit 7	9.00	147.58	458	355
Unit 8	9.19	135.26	466	360
Unit 9	8.86	145.63	421	339
Total	48.88	777.22		
Paras				
Unit 3	4.79	78.23	229	190
Unit 4	0.00	0.00	0	0
Total	4.79	78.23		
Khaparkheda				
Unit 1	0.00	13.54	0	0
Unit 2	0.00	0.00	0	0
Unit 3	0.00	16.68	0	0
Unit 4	0.00	21.01	0	0
Unit 5	9.10	59.92	480	365
Total	9.10	111.16		
Nasik				
Unit 3	3.88	22.37	165	158
Unit 4	0.00	41.20	0	0
Unit 5	3.95	59.31	176	156
Total	7.83	122.88		
Uran				
All Units	9.53	125.92	405	389
Total	9.53	125.92		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.06	2.53	37	0
Total	0.06	2.53		
Koyna				
Stage 1-2	2.35	40.70	485	40
Stage 4	0.21	18.38	208	0
Stage 3	0.98	19.28	80	0
Total	3.54	78.35		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.04	1.14	45	0
TILLARI	0.00	1.23	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.38	6.08	80	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	1.04	3.38	44	43
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.08	0.35	4	3
GHATGHAR	0.07	3.62	69	0
Total	1.61	15.80		
Wind				
Total	55.54	657.40	0	0
Total	55.54	657.40		
CPP				
APML(Mus)	45.88	927.50	0	0
JSWEL(Mus)	13.29	182.45	0	0
VIPL(Mus)	5.31	93.90	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	2.18	48.05	0	0
Other(Mus)	3.16	43.74	0	0
Total	69.82	1295.65		
SOLAR				
Total	1.74	25.92	0	0
Total	1.74	25.92		
Tata				
Trombay 5	7.30	135.24	307	300
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.93	32.94	123	122
Trombay 7B	1.60	20.17	67	66
Trombay 8	4.83	71.52	203	198
TATA Hydro	4.33	67.08	343	6
Total	20.99	326.95		
R-INFRA				
DTPS U-1&2	9.23	156.51	386	383
Total	9.23	156.51		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	111.84	1572.96	MSPGCL Total	126.52	1793.04
			MSPGCL Thml+Gas	121.37	1698.88	Koyna 1,2 & 4 Total	2.56	59.07
			MSPGCL Hydro	5.15	94.15	State Total	283.84	4255.48

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 15/Jul/2017

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	4838	213	401	5452	2409	2835	0	0	2869	2743	-1009	12430	0	12430	2160	14590	50.00
2	4775	173	390	5338	2247	2827	0	0	2648	2683	-903	12192	0	12192	2037	14229	49.97
3	4772	168	400	5340	2244	2819	0	0	2558	2609	-790	12222	0	12222	1899	14121	49.98
4	4788	173	398	5359	2129	2803	0	0	2341	2593	-745	12139	0	12139	1832	13971	49.98
5	4778	168	391	5337	2116	2813	0	0	2741	3059	-723	12602	0	12602	1809	14411	49.97
6	4756	183	401	5340	1979	2803	0	0	3385	4006	-752	13376	0	13376	1888	15264	49.98
7	4646	548	391	5585	1926	2888	0	10	4396	4727	-759	14377	0	14377	1973	16350	49.97
8	4809	273	404	5486	1931	3022	0	59	4641	5165	-883	14780	0	14780	2124	16904	50.04
9	4700	225	405	5330	2348	3082	0	124	4861	4888	-1050	14722	0	14722	2311	17033	50.01
10	4509	132	394	5035	2317	2868	0	121	4744	4981	-1237	14085	0	14085	2611	16696	49.97
11	4537	130	400	5067	2295	2822	0	171	4844	4848	-1417	13786	0	13786	2843	16629	49.98
12	4560	262	400	5222	2389	2824	0	228	5237	4809	-1532	13940	0	13940	2896	16836	49.99
13	4538	199	393	5130	2563	2824	0	236	5101	4627	-1502	13878	0	13878	2864	16742	49.97
14	4533	137	403	5073	2629	2829	0	254	4033	4068	-1395	13458	0	13458	2714	16172	50.00
15	4523	201	403	5127	2747	2809	0	187	3745	4102	-1345	13627	0	13627	2656	16283	49.97
16	4643	262	390	5295	2628	2794	0	167	3665	3977	-1314	13547	0	13547	2645	16192	50.00
17	4636	256	401	5293	2684	2788	0	124	3474	3522	-1307	13104	0	13104	2624	15728	50.00
18	4627	126	395	5148	2745	2775	0	53	3415	3420	-1281	12860	0	12860	2596	15456	50.01
19	4586	189	403	5178	2189	2783	0	11	3248	3447	-1196	12412	0	12412	2560	14972	49.97
20	4630	739	389	5758	2253	2968	0	0	3710	4191	-1175	13995	0	13995	2567	16562	49.93
21	4866	96	390	5352	2232	3320	0	0	3784	3817	-1216	13505	0	13505	2532	16037	49.99
22	4830	86	401	5317	2082	3360	0	0	3804	3798	-1155	13402	0	13402	2403	15805	50.00
23	4644	88	389	5121	2144	3265	0	0	4190	3603	-1128	13005	0	13005	2298	15303	50.00
24	4312	123	400	4835	2313	2898	0	0	3433	3638	-1053	12632	0	12632	2248	14880	49.97
MUs	111.84	5.15	9.53	126.52	55.54	69.82	0.00	1.75	90.87	93.32	-26.87	320.08	0.00	320.08	57.09	377.17	49.99

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 15/Jul/2017

Position as on 6.30 Hrs of 16/Jul/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown.	
CENT.SECTOR	TARAPUR 4	540	23/04/2017	19:55		Continued.	Annual Maintenance	
CENT.SECTOR	Tarapur 1	160	04/06/2017	19.09		Continued.	3 months outage for refuelling.	
MSPGCL	Chandrapur Unit 3	210	05/06/2017	23.24		Continued.	AOH.	
MSPGCL	Khaparkhedda Unit 2	210	14/06/2017	23.16		Continued.	Annual Overhaul	
MSPGCL	Paras Unit 4	250	21/06/2017	00.04		Continued.	Annual Overhaul	
MSPGCL	Koradi Unit 7	210	21/06/2017	01.24		Continued.	COH.	
IPP	JSW (J) U4	300	04/07/2017	20.41		Continued.	Annual Overhaul	
CENT.SECTOR	TARAPUR-3	540	11/07/2017	16.30		Continued.	Reactor Inspection Work	
IPP	Adani U-3	660	14/07/2017	23.48		Continued.	Annual Overhaul	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	SWPGL U-2	135	29/02/2016	21.46		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	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage(Converted to Zero Shedule By MSEDCL. from 00.00Hrs dt.19-6-16)	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	ID Fan problem, Converted to Zero Schedule By MSEDCL from 00.00hrs/22-9-16. Shutdown taken on 18.10.2016 at 00:00Hrs for Turbine inspection and maintenance work	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
IPP	RPL(AMT) U-1	270	24/05/2017	03.27		Continued.	Flame Failure(converted to Zero Schedule from 00.00Hrs DT.13th Jun 17)	
IPP	JSW (J) U2	300	31/05/2017	23.58		Continued.	NO SCHEDULE.	
IPP	Dhariwal	300	01/06/2017	00.01		Continued.	NO SCHEDULE.	
IPP	RPL(AMT) U-3	270	05/06/2017	14.31		Continued.	swapping with unit-5(converted to Zero Schedule from 00.00Hrs DT.15th Jun 17)	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 15/Jul/2017

Position as on 6.30 Hrs of 16/Jul/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	RPL(AMT) U-4	270	09/06/2017	00.20		Continued.	Zero Schedule by MSEDCL	
IPP	RPL(AMT) U-5	270	09/06/2017	01.39		Continued.	Zero Schedule by MSEDCL	
IPP	RPL(AMT) U-2	270	09/06/2017	04.24		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Parli Unit 7	250	13/06/2017	00.04		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Bhusawal Unit 3	210	13/06/2017	06.01		Continued.	Zero Schedule By MSEDCL	
IPP	VIPL U-1	300	13/06/2017	08.30		Continued.	GT WORK	
MSPGCL	Parli Unit 6	250	14/06/2017	00.02		Continued.	Zero schedule by MSEDCL.	
MSPGCL	Parli Unit 8	250	17/06/2017	00.08		Continued.	Zero Schedule by MSEDCL	
CPP	SWPGL U-3	135	07/07/2017	12.11		Continued.	ID Fan Problem	
MSPGCL	Nasik Unit 4	210	10/07/2017	14.28		Continued.	Boiler validity extention.	
MSPGCL	Khaparkheda Unit 1	210	11/07/2017	23.53		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Khaparkheda Unit 3	210	12/07/2017	08.40		Continued.	Boiler Tube Leakage	
MSPGCL	Khaparkheda Unit 4	210	13/07/2017	03.36		Continued.	Drum level low	
MSPGCL	Bhusawal Unit 5	500	15/07/2017	05.59		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Koyana Unit 10	80	15/07/2017	19.15		Continued.	Tripped due to GT Got Fire	
MSPGCL	Nasik Unit 5	210	16/07/2017	00.00		Continued.	Zero Schedule By MSEDCL	
TPC_G	Trombay 8	250	16/07/2017	11.19	16/07/2017	16.45	Problem in cooling system	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jul/2017

Statement-VII

Position as on 6.30 Hrs of 16/Jul/2017

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	12/07/2017	20.45		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	08/07/2017	21.48		Continued.	HT	Over Voltage
Ektuni-Bableshwar ckt I	IntraState	09/07/2017	09.21	16/07/2017	07.31	HT	Hand tripped to control load
Khadka-Aurangabad (Waluj)	IntraState	12/07/2017	18.11		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	13/07/2017	18.27		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	15/07/2017	01.46	15/07/2017	06.43	HT	Over Voltage
Kharghar-Talegaon(PG)	IntraState	15/07/2017	07.54	15/07/2017	13.08	PO	Wave Trap work at Talegaon
Lonikand I - Koyna stage-IV	IntraState	16/07/2017	02.24	16/07/2017	05.41	HT	Over Voltage
Jejuri- Koynastage-IV	IntraState	16/07/2017	02.45		Continued.	T	Distance Protection
Padghe - Kalwa- I	IntraState	16/07/2017	07.07	16/07/2017	09.10	PO	Attending Hot Spot
Padghe - Kalwa-II	IntraState	16/07/2017	09.27	16/07/2017	11.32	PO	Attending Hot Spot
Ektuni-Bableshwar ckt II	IntraState	16/07/2017	16.05		Continued.	HT	hand tripped to control load
Babhaleshwar - Padghe-I	IntraState	16/07/2017	16.19	16/07/2017	19.50	EO	Remove broken earth wire on line
400 KV ICT Outages/Trippings							
400/220kV 315MVA ICT-I@Parly	IntraState	05/07/2017	16.42		Continued.	PO	replacement of r-ph unit with overhauled unit.
400/220/33kv 315MVA ICT2 @Lonikand	IntraState	15/07/2017	16.40	15/07/2017	17.25	T	Bus-II operated due to R Phase LA Burst of Lonikand-Theur-II line, LBB operated
400/220/33kv 315MVA ICT2 @Lonikand	IntraState	16/07/2017	13.54	16/07/2017	16.28	PO	R-Phase bushing clamp 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.
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Chandrapur GCR - Wani	IntraState	05/04/2015	09.15		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Vita - Mhaishal	IntraState	01/07/2017	14.19		Continued.	PO	Bunching Work
Vita - Miraj	IntraState	01/07/2017	14.53		Continued.	PO	bunching work.
Kharghar-Borivali ckt II	IntraState	07/07/2017	12.23		Continued.	T	Distance Protection
Pophali - Kdph	IntraState	12/07/2017	17.05		Continued.	HT	Flashover at pophali end
Main Bus-I@Versova	IntraState	15/07/2017	09.02	15/07/2017	17.06	PO	Isolator Maint.work
Babhaleshwar-Nagar-I	IntraState	15/07/2017	09.44	15/07/2017	17.20	EO	To attend Hot Spot
Shivajinagar-Gangapur	IntraState	15/07/2017	09.50	15/07/2017	12.20	T	Tripped at Gangapur end without Indication
Gangapur-Valve	IntraState	15/07/2017	09.50		Continued.	T	Tripped at Gangapur end without Indication
Lonikand (400 Kv)-Theur I	IntraState	15/07/2017	16.40	15/07/2017	17.02	T	Bus-II operated due to R Phase LA Burst of Lonikand-Theur-II line, LBB operated
Lonikand (400 Kv)-Theur li	IntraState	15/07/2017	16.40	15/07/2017	21.54	T	Bus-II operated due to R Phase LA Burst. LBB operated
Chikhli-Jalna-I	IntraState	15/07/2017	21.12	15/07/2017	21.34	T	Distance Protection
Bus Coupler @ Babhaleshwar	IntraState	16/07/2017	08.13	16/07/2017	16.00	PO	Isolator Alignment work
Mulund - GIS Bhandup	IntraState	16/07/2017	08.31	16/07/2017	15.36	PO	Jumper Replacement
Mahad - Pedambe	IntraState	16/07/2017	23.05		Continued.	T	Distance Protection

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 15/Jul/2017

Statement-VII

Position as on 6.30 Hrs of 16/Jul/2017

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							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Failed on internal Fault(Now repaired and ready for commissioning)
220/132kv 100MVA ICT @ Parli-I	IntraState	15/07/2017	12.18	15/07/2017	15.40	PO	To change CT Ratio
220/132 Kv 200 Mva Ict - 1 @Harangul	IntraState	15/07/2017	17.53	15/07/2017	19.08	PO	Oil Top Up work
132 KV LINE Outages/Trippings							
Kaulewada-Madgi-li	IntraState	15/07/2017	05.12	15/07/2017	05.16	T	Distance Protection