

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 05/Jul/2015 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	99.913	498.202	1) Gujrat	5.467	22.465
2) Hydro	4.050	37.796	2) Madhya Pradesh	9.735	64.617
3) Gas	6.484	32.384	3) Chattisgarh	4.790	28.010
Total MSPGCL	110.447	568.382	4) Maharashtra Net	99.982	458.013
B) 1) APML	43.510	268.170	5) Goa	-6.258	-33.836
2) JSWEL	16.928	90.177	6) TAPS 1&2 Injection	2.893	14.369
3) VIPL	10.761	59.445	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	17.040	79.800	8) Pench (MS)	0.186	0.845
5) WPCL	2.251	17.594	9) Pench (Excess)	-0.186	-0.717
6) Other IPP	4.345	20.776	Total	116.423	552.921
C) 1) TPCL Thermal	13.567	78.565	a) Mumbai Schedule	22.197	130.240
2) TPCL Hydro	0.563	17.651	b) Mumbai Drawl	23.554	134.768
3) TPCL Gas	3.547	14.179	c) MSEDCL Bilateral *	32.358	148.004
4) R-INFRA Thermal	12.195	60.930	Include PX	6.465	20.989
D) STATE			d) Mumbai Bilateral *	22.197	130.240
1) Thermal	220.510	1173.659	Include PX	2.504	12.644
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro (A2+C2)	4.613	55.447	H) ENERGY CATERED (MUs)		
3) Gas (A3+C3)	10.031	46.563	1) MSEDCL	342.173	1702.809
4) Wind	42.890	173.478	2) Mumbai Discoms	53.426	306.091
6) SOLAR	1.132	6.117	TOTAL STATE	395.599	2008.900
TOTAL STATE	279.176	1455.264			

* 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 15 Hrs	C. Evening Peak at 22 Hrs	D. Night Minimum at 23 Hrs
MSPGCL Thermal	4075	4111	4318	4287
MSPGCL Hydro	58	90	109	280
MSPGCL Gas	273	272	270	266
MSPGCL Total Generation	4406	4473	4697	4833
Central Sector Receipt	5649	5255	4470	4402
WIND	2020	1946	1587	1490
CPP / IPP	4015	3939	4188	3970
SOLAR	96	133	0	0
Exchange with Mumbai	-904	-1032	-1097	-1164
MSEDCL DEMAND MET	15282	14714	13845	13531
Load Shedding	44	31	37	37
MSEDCL DEMAND	15326	14745	13882	13568
TPCL GENERATION	741	696	855	775
R-INFRA GENERATION	514	516	516	517
MUMBAI DEMAND	2159	2244	2468	2456
STATE DEMAND MET	17441	16958	16313	15987
STATE DEMAND	17485	16989	16350	16024
Frequency (Hz)	49.98	49.93	49.97	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 08.01 Hrs	49.8 Hz at 00.46 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 05/Jul/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.19	4.38	145	123
Unit 6	0.00	0.00	0	0
Unit 7	2.81	6.08	160	2
Total	6.00	10.46		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.05	20.36	175	160
Unit 4	10.38	45.90	500	380
Unit 5	1.35	24.71	360	0
Total	15.78	90.98		
Parli				
Unit 3	0.00	0.00	0	0
Unit 4	0.18	0.18	57	0
Unit 5	3.48	17.82	152	137
Unit 6	0.00	0.00	0	0
Unit 7	4.99	24.52	251	147
Total	8.65	42.52		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	3.48	17.21	151	141
Unit 3	4.23	21.10	195	164
Unit 4	4.13	20.72	188	157
Unit 5	9.05	45.90	430	275
Unit 6	0.00	0.00	0	0
Unit 7	8.88	41.85	391	344
Total	29.78	146.78		
Paras				
Unit 3	4.81	26.54	222	173
Unit 4	4.87	25.98	236	171
Total	9.68	52.51		
Khaparkheda				
Unit 1	3.28	18.76	160	120
Unit 2	3.50	18.69	170	125
Unit 3	3.50	18.95	154	133
Unit 4	0.00	0.00	0	0
Unit 5	10.48	52.37	490	390
Total	20.76	108.77		
Nasik				
Unit 3	4.70	23.40	205	175
Unit 4	4.57	22.78	196	185
Unit 5	0.00	0.00	0	0
Total	9.27	46.18		
Uran				
All Units	6.48	32.38	273	266
Total	6.48	32.38		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.19	0.84	47	0
Total	0.19	0.84		
Koyna				
Stage 1-2	2.69	17.74	400	40
Stage 4	0.08	9.19	80	0
Stage 3	0.54	6.26	80	0
Total	3.31	33.18		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.00	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.22	1.41	40	0
RNGR+BHTSA	0.19	0.57	10	0
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.06	0.34	9	0
GHATGHAR	0.27	2.30	125	0
Total	0.74	4.61		
Wind				
Total	42.89	173.48	0	0
Total	42.89	173.48		
CPP				
APML(Mus)	43.51	268.17	0	0
JSWEL(Mus)	16.93	90.18	0	0
VIPL(Mus)	10.76	59.44	0	0
RPLAMT(Mus)	17.04	79.80	0	0
WPCL(Mus)	2.25	17.59	0	0
Other(Mus)	4.34	20.78	0	0
Total	94.84	535.96		
SOLAR				
Total	1.13	6.12	0	0
Total	1.13	6.12		
Tata				
Trombay 5	8.41	50.80	487	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.15	8.16	115	59
Trombay 7B	1.40	6.01	67	48
Trombay 8	5.16	27.76	248	200
TATA Hydro	0.56	17.65	202	0
Total	17.68	110.40		
R-INFRA				
1-2	12.20	60.93	517	425
Total	12.20	60.93		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	99.91	498.20
MSPGCL Thml+Gas	106.40	530.59

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	4.05	37.80
MSPGCL Total	110.45	568.38

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.77	26.92
State Total	279.18	1455.26

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 05/Jul/2015

Annexure-2

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													
1	4054	415	269	4738	1716	4181	0	4538	4858	-1003	14490	49	14539	2479	17018	49.92
2	4121	58	269	4448	1813	3929	0	4671	4823	-858	14155	36	14191	2268	16459	49.95
3	4158	40	269	4467	1709	4081	0	4414	4534	-884	13907	36	13943	2105	16048	49.91
4	4194	45	270	4509	1710	4029	0	4353	4585	-834	13999	36	14035	2017	16052	49.91
5	4208	60	270	4538	1794	4112	0	4371	4539	-813	14170	36	14206	1996	16202	49.96
6	4259	50	270	4579	1803	4005	0	4412	4665	-841	14211	41	14252	2023	16275	49.95
7	4224	129	272	4625	1836	3980	7	4724	5212	-714	14946	41	14987	2018	17005	49.99
8	4235	150	271	4656	1821	4010	33	5102	5446	-632	15334	41	15375	1972	17347	50.01
9	4251	98	269	4618	1968	3966	66	5205	5199	-676	15141	44	15185	2044	17229	50.02
10	4075	58	273	4406	2020	4015	96	5317	5649	-904	15282	44	15326	2159	17485	49.98
11	4002	88	273	4363	2001	3926	121	5268	5651	-1050	15012	42	15054	2262	17316	49.97
12	4019	108	268	4395	1999	3936	136	5239	5470	-1079	14857	40	14897	2293	17190	49.99
13	4054	175	268	4497	1921	3921	167	4901	5200	-1093	14613	40	14653	2307	16960	49.94
14	4077	200	272	4549	1881	3853	145	4820	5260	-1031	14657	35	14692	2247	16939	49.95
15	4111	90	272	4473	1946	3939	133	5017	5255	-1032	14714	31	14745	2244	16989	49.93
16	4124	239	271	4634	1761	3804	114	5015	5248	-1042	14519	31	14550	2247	16797	49.97
17	4120	491	273	4884	1905	4060	68	4535	4787	-1034	14670	31	14701	2229	16930	50.02
18	4151	198	273	4622	1799	3779	42	4098	3836	-1017	13061	31	13092	2192	15284	50.04
19	4060	58	270	4388	1681	3782	4	3952	3590	-1134	12311	31	12342	2191	14533	50.04
20	4188	313	267	4768	1571	3730	0	4302	4321	-1232	13158	37	13195	2299	15494	49.97
21	4255	108	269	4632	1558	3799	0	4893	4800	-1235	13554	37	13591	2423	16014	49.93
22	4318	109	270	4697	1587	4188	0	4448	4470	-1097	13845	37	13882	2468	16350	49.97
23	4287	280	266	4833	1490	3970	0	4389	4402	-1164	13531	37	13568	2456	16024	49.94
24	4368	490	270	5128	1600	3840	0	4456	4623	-1155	14036	37	14073	2487	16560	50.01
MUs	99.91	4.05	6.48	110.45	42.89	94.83	1.13	112.44	116.42	-23.55	342.17	0.90	343.07	53.43	396.50	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 05/Jul/2015

Position as on 6.30 Hrs of 06/Jul/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CENT.SECTOR	Tarapur 1	160	12/10/2014	22:39		Continued.	Refuelling work	
MSPGCL	Parli Unit 4	210	13/04/2015	11.27	05/07/2015	16.00	Turbine vibration high. Continued to AOH w.e.f.01.05.2015	
IPP	Adani U-1	660	01/06/2015	01.48		Continued.	Annual Overhaul	
MSPGCL	Chandrapur Unit 6	500	09/06/2015	23.58		Continued.	COH	
MSPGCL	Khaparkheda Unit 4	210	19/06/2015	23.57		Continued.	Annual Overhaul	
MSPGCL	Nasik Unit 5	210	30/06/2015	23.50		Continued.	Annual Overhaul	
FORCED OUTAGE								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPPL	Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
RGPPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPPL	Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
RGPPL	Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
RGPPL	Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No schedule	
MSPGCL	Chandrapur Unit 1	210	28/08/2014	07:15		Continued.	Economic Shutdown.	
MSPGCL	Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
MSPGCL	Chandrapur Unit-8	500	29/03/2015	18.26		Continued.	Withdrawn	
MSPGCL	Koradi Unit-8	660	30/03/2015	20.22		Continued.	BLR Tripped.	
MSPGCL	Uran Unit 6	108	01/04/2015	16.35		Continued.	Gas shortage	
IPP	RPL(AMT) U-5	270	03/04/2015	14.22		Continued.	turbine Shaft Vibration high.	
MSPGCL	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas turbine problem	
TPC-G	Trombay 6	500	05/06/2015	05.59		Continued.	Economic Shutdown.	
MSPGCL	Koyna STG- IV Unit - 1	250	09/06/2015	14.22		Continued.	Excitation T/F Burst	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Water Shortage	
MSPGCL	Parli Unit 6	250	25/06/2015	15.03		Continued.	Water Shortage	
IPP	RPL(AMT) U-4	270	26/06/2015	11.53		Continued.	Turbine bearing Vabration high	
MSPGCL	Koradi Unit 7	210	01/07/2015	23.20	05/07/2015	00.58	BTL.	
MSPGCL	Bhusawal Unit 5	500	03/07/2015	11.04	05/07/2015	18.27	Boiler Tube Leakage	
IPP	Adani U-3	660	04/07/2015	15:03		Continued.	Super heater drain leakage.	
IPP	WPCL U-3	135	04/07/2015	17:45		Continued.	Not schdule.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 05/Jul/2015

Position as on 6.30 Hrs of 06/Jul/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Koyana STG-IV Unit-2	250	04/07/2015	22.30	05/07/2015	07.00	Preventive Maintenance Work	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage	
IPP	RPL(AMT) U-1	270	06/07/2015	00.37		Continued.	Furnace Pressure High	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 06/Jul/2015

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	17/06/2015	12.52	05/07/2015	16.35	T	Convertor transformer diff prot optd.Charged on No Load @ 23.48 Hrs dt 4.7.15.
400 KV LINE Outages/Trippings							
Wardha (PG)-Warora II	InterState	20/05/2015	02.39		Continued.	T	Breaker Accumulator Oil Leakage
Dabhol Nagothane I	InterState	30/06/2015	16.53		Continued.	HT	Over Voltage
Kolhapur Mapusa I	InterState	04/07/2015	16:44	05/07/2015	06.13	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	04/07/2015	17.42	05/07/2015	07.56	HT	Over Voltage
Dhule Khandwa II	InterState	04/07/2015	20:19	05/07/2015	15.29	T	Distance Protection Operated Z-II.
Kolhapur Mapusa II	InterState	05/07/2015	16.11		Continued.	HT	Over Voltage
Parli (Pg) Wardha (Pg) li	InterState	05/07/2015	16.52	05/07/2015	18.52	EO	Emergency outage
Dhule Sar'Sarovar II	InterState	05/07/2015	17.01		Continued.	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	05/07/2015	18.43	05/07/2015	21.15	HT	Over Voltage
Akola II - Taptitanda	IntraState	20/05/2015	08.59		Continued.	HT	Ckt I and Ckt 2 new charged to control BBLSR ICT loading.
Babhaleshwar-Taptitanda ckt-II	IntraState	23/06/2015	16.53		Continued.	PO	E/W restringing work.
karad -kolhapur-II	IntraState	04/07/2015	16:33	05/07/2015	07.46	HT	Over Voltage
Karad - Jaigad - II	IntraState	04/07/2015	16:36	05/07/2015	08.55	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	04/07/2015	18.07	05/07/2015	07.03	HT	Over Voltage
Padghe - Kalwa- I	IntraState	05/07/2015	06.38	05/07/2015	15.25	PO	Insulator Replacement Work.
karad -kolhapur-I	IntraState	05/07/2015	16.05		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	05/07/2015	16.40		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	05/07/2015	18.08		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 MVA ICT I @Babhleshwar	IntraState	15/06/2015	09.10		Continued.	PO	LV Side Taken on TBC Bay Work.
400/220/33 Kv 315 MVA ICT-I @Waluj	IntraState	26/06/2015	19.43	05/07/2015	04.25	T	Tripped due to Fire at LV side,Charged on No Load @ 04.25 Hrs dt 5.7.15.
400/220/33 Kv 315 MVA ICT-I @Waluj	IntraState	05/07/2015	13.31	05/07/2015	17.07	PO	For releasing Air
220 KV LINE Outages/Trippings							
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 deenergising 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 deenergising the line bet.86 to 107.
Shivajinagar - Malegaon	IntraState	04/07/2015	11.54	05/07/2015	12.28	T	Distance Protection
Babhleshwar- Alephata	IntraState	04/07/2015	23.39	05/07/2015	05.08	HT	ICT Over Loading @ Babaleshwar
Talange-Mudshingi Ckt-I	IntraState	05/07/2015	00.16	05/07/2015	00.43	T	Distance Protection
Boisar Versova Line	IntraState	05/07/2015	08.08		Continued.	PO	Making LILO for 220KV Viraj S/S
Trombay Salsette 1 Backbay	IntraState	05/07/2015	08.15	05/07/2015	13.46	PO	Line Maintenance work
Dahanu Boisar Line	IntraState	05/07/2015	08.32		Continued.	PO	Making LILO for 220KV Viraj S/S
Chakan (400kv)-Bridgestone	IntraState	05/07/2015	10.02	05/07/2015	12.03	PO	Y Phase CT Oil Leakage
Salsette Borivli 2	IntraState	05/07/2015	14.38	05/07/2015	16.07	PO	Line Maintenance work
Dahanu Versova	IntraState	05/07/2015	16.39	05/07/2015	16.40	PO	Temporarily arrangement for LILO work
220 KV ICT Outages/Trippings							

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 05/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 06/Jul/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/100 Kv 100 MVA ICT I @Vasai-II	IntraState	05/07/2015	18.35		Continued.	T	Differential protection