

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	99.955	473.250	1) Gujrat	5.803	19.705
2) Hydro	11.360	73.554	2) Madhya Pradesh	14.567	69.700
3) Gas	6.350	31.670	3) Chattisgarh	4.890	26.120
Total MSPGCL	117.665	578.474	4) Maharashtra Net	107.556	533.515
B) 1) APML	59.300	282.230	5) Goa	-8.655	-36.960
2) JSWEL	27.141	136.856	6) TAPS 1&2 Injection	4.470	16.635
3) VIPL	12.751	63.174	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	23.610	98.723	8) Pench (MS)	0.942	4.892
5) WPCL	3.598	19.224	9) Pench (Excess)	-0.942	-4.892
6) Other IPP	1.759	10.907	Total	127.689	623.823
C) 1) TPCL Thermal	17.657	86.845	a) Mumbai Schedule	24.750	127.829
2) TPCL Hydro	1.598	13.940	b) Mumbai Drawl	24.461	124.933
3) TPCL Gas	2.170	11.742	c) MSEDCL Bilateral *	35.414	179.968
4) R-INFRA Thermal	12.418	60.952	Include PX	9.927	31.436
D) STATE			d) Mumbai Bilateral *	24.750	126.879
1) Thermal	258.189	1232.161	Include PX	0.586	9.141
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.950
2) Hydro	12.958	87.494	H) ENERGY CATERED (MUs)		
3) Gas	8.520	43.412	1) MSEDCL	357.953	1746.060
4) Wind	7.794	52.079	2) Mumbai Discoms	58.304	298.398
6) SOLAR	1.107	5.503	TOTAL STATE	416.257	2044.458
TOTAL STATE	288.568	1420.649			

* 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	4328	4204	4346	3927
MSPGCL Hydro	1217	1200	287	96
MSPGCL Gas	253	253	262	280
MSPGCL Total Generation	5798	5657	4895	4303
Central Sector Receipt	6070	6025	5401	4376
WIND	64	311	697	357
CPP / IPP	5450	5185	5190	5350
SOLAR	149	70	0	0
Exchange with Mumbai	-1326	-1279	-1327	-506
MSEDCL DEMAND MET	16205	15969	14856	13880
Load Shedding	75	272	41	22
MSEDCL DEMAND	16280	16241	14897	13902
TPCL GENERATION	1054	1005	924	793
R-INFRA GENERATION	512	518	518	518
MUMBAI DEMAND	2892	2802	2769	1817
STATE DEMAND MET	19097	18771	17625	15697
STATE DEMAND	19172	19043	17666	15719
Frequency (Hz)	49.79	49.85	49.94	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 18:02 Hrs	49.58 Hz at 12:08 Hrs	49.9	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/Sep/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.88	16.17	125	107
Unit 6	0.00	0.00	0	0
Unit 7	3.96	19.23	170	150
Total	6.84	35.40		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.10	20.28	180	160
Unit 4	10.78	53.20	490	350
Unit 5	8.67	11.66	420	245
Total	23.54	85.12		
Parli				
Unit 3	0.00	0.00	0	0
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
Total	0.00	0.00		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	2.07	14.42	122	51
Unit 3	0.00	13.07	0	0
Unit 4	0.00	0.00	0	0
Unit 5	9.04	46.13	405	300
Unit 6	9.55	46.92	461	355
Unit 7	8.22	40.48	381	290
Total	28.87	161.04		
Paras				
Unit 3	5.11	23.45	228	186
Unit 4	5.36	25.70	242	184
Total	10.46	49.15		
Khaparkheda				
Unit 1	0.00	9.01	0	0
Unit 2	3.23	15.88	155	110
Unit 3	3.44	15.70	153	130
Unit 4	3.37	15.88	150	125
Unit 5	7.97	37.31	343	320
Total	18.01	93.79		
Nasik				
Unit 3	4.55	22.38	195	180
Unit 4	2.99	8.32	182	0
Unit 5	4.70	18.05	203	182
Total	12.23	48.75		
Uran				
All Units	6.35	31.67	280	250
Total	6.35	31.67		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.94	4.89	46	17
Total	0.94	4.89		
Koyna				
Stage 1-2	4.24	24.30	495	40
Stage 4	3.34	26.16	511	0
Stage 3	1.42	11.31	160	0
Total	9.00	61.78		
Hydro				
KDPH	0.58	2.61	37	18
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.	0.18	1.12	80	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.50	2.55	40	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.18	1.25	14	4
GHATGHAR	0.92	4.24	125	0
Total	2.36	11.78		
Wind				
Total	7.79	52.08	0	0
Total	7.79	52.08		
CPP				
APML(Mus)	59.30	282.23	0	0
JSWEL(Mus)	27.14	136.86	0	0
VIPL(Mus)	12.75	63.17	0	0
RPLAMT(Mus)	23.61	98.72	0	0
WPCL(Mus)	3.60	19.22	0	0
Other(Mus)	1.76	10.91	0	0
Total	128.16	611.11		
SOLAR				
Total	1.11	5.50	0	0
Total	1.11	5.50		
Tata				
Trombay 5	11.71	57.37	495	477
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.17	11.74	115	54
Trombay 7B	0.00	0.00	0	0
Trombay 8	5.94	29.48	251	239
TATA Hydro	1.60	13.94	204	0
Total	21.42	112.53		
R-INFRA				
1-2	12.42	60.95	520	511
Total	12.42	60.95		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	99.96	473.25
MSPGCL Thml+Gas	106.30	504.92

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	11.36	73.55
MSPGCL Total	117.66	578.47

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	7.58	50.47
State Total	288.57	1420.65

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/Sep/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	3973	112	279	4364	405	5467	0	4772	4628	-870	13994	40	14034	2189	16223	49.72
2	4017	96	279	4392	359	5364	0	4643	4559	-685	13989	22	14011	1997	16008	49.90
3	3930	101	279	4310	392	5386	0	4582	4753	-575	14266	22	14288	1889	16177	49.94
4	3927	96	280	4303	357	5350	0	4648	4376	-506	13880	22	13902	1817	15719	49.98
5	3906	96	278	4280	325	5384	0	4670	4482	-482	13989	22	14011	1795	15806	49.82
6	3888	174	272	4334	278	5369	0	4866	4827	-520	14288	28	14316	1876	16192	49.88
7	3892	256	274	4422	283	5336	9	5399	5559	-597	15012	31	15043	1932	16975	49.87
8	3935	411	273	4619	172	5408	32	5635	6044	-683	15592	31	15623	2057	17680	49.93
9	4054	508	265	4827	139	5288	85	5985	5995	-939	15395	31	15426	2310	17736	49.91
10	4166	890	259	5315	119	5253	136	6077	6117	-1154	15786	36	15822	2628	18450	49.88
11	4232	1054	255	5541	66	5324	141	6115	6127	-1334	15865	47	15912	2884	18796	49.82
12	4328	1217	253	5798	64	5450	149	6088	6070	-1326	16205	75	16280	2892	19172	49.79
13	4272	1151	255	5678	52	5404	143	6064	5887	-1362	15802	79	15881	2892	18773	49.86
14	4216	1178	250	5644	60	5300	142	5705	6126	-1254	16018	144	16162	2779	18941	49.78
15	4337	1223	252	5812	152	5124	115	5731	5910	-1265	15848	219	16067	2795	18862	49.84
16	4204	1200	253	5657	311	5185	70	5751	6025	-1279	15969	272	16241	2802	19043	49.85
17	4231	653	254	5138	555	5422	60	5944	5461	-1285	15351	258	15609	2769	18378	49.95
18	4366	77	260	4703	753	5111	25	5167	4770	-1280	14082	55	14137	2678	16815	50.00
19	4267	95	262	4624	797	5298	0	4809	4845	-1179	14385	29	14414	2629	17043	49.96
20	4346	287	262	4895	697	5190	0	5049	5401	-1327	14856	41	14897	2769	17666	49.94
21	4426	112	264	4802	504	5452	0	4965	4941	-1277	14422	41	14463	2641	17104	49.99
22	4413	112	264	4789	340	5440	0	4848	4776	-1183	14162	41	14203	2516	16719	49.96
23	4353	80	263	4696	331	5443	0	4823	4930	-1094	14306	31	14337	2427	16764	49.96
24	4276	181	265	4722	283	5411	0	4692	5080	-1005	14491	31	14522	2341	16863	49.96
MUs	99.96	11.36	6.35	117.66	7.79	128.16	1.11	127.03	127.69	-24.46	357.95	1.65	359.60	58.30	417.90	49.90

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/Sep/2015

Position as on 6.30 Hrs of 06/Sep/2015

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 7B	60	17/07/2015	20.00	06/09/2015	05.54	Gas Path Inspection	
MSPGCL	Koyna STG-IV Unit-2	250	20/08/2015	09.00		Continued.	Realigning of T-G Rotor & Adjusting the Bearing Clearances.(40 Days)	
MSPGCL	Chandrapur Unit 4	210	29/08/2015	23.55		Continued.	Annual Overhaul	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPL	Dabhol 2A	230	06/06/2013	09.10		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	
RGPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPL	Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
RGPL	Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
RGPL	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	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	Bhira PSU	150	09/06/2015	10.53		Continued.	Stator Earth Fault	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Water Shortage	
IPP	WPCL U-2	135	16/06/2015	00.00		Continued.	No Schdule	
MSPGCL	Parli Unit 6	250	25/06/2015	15.03		Continued.	Water Shortage	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage	
MSPGCL	Parli Unit 5	210	06/07/2015	14.55		Continued.	Water Shortage.	
MSPGCL	Parli Unit 7	250	08/07/2015	12.08		Continued.	Water Shortage	
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown	
MSPGCL	Koradi Unit-8	660	20/08/2015	09.50		Continued.	ESP problem	
MSPGCL	Chandrapur Unit-8	500	23/08/2015	21.35	05/09/2015	18.36	cooling water pump tripped	
CPP	WPCL U-1	135	25/08/2015	19.18		Continued.	Maintenance work	
MSPGCL	Nasik Unit 4	210	02/09/2015	05.37	05/09/2015	02.45	ID Fan Problem	
MSPGCL	Khaparkheda Unit 1	210	03/09/2015	22.26		Continued.	Boiler Tube Leakage	
MSPGCL	Chandrapur Unit 3	210	04/09/2015	04.22	06/09/2015	00.19	Steam valve problem	

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

Position as on 6.30 Hrs of 06/Sep/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit-8	500	05/09/2015	21.25	06/09/2015	02.27	steam temp.low	
MSPGCL	Chandrapur Unit-8	500	06/09/2015	04.57	06/09/2015	11.55	Furnace Pressure low	
IPP	Adani U-5	660	06/09/2015	13.03		Continued.	Bottom Ash Problem	
MSPGCL	Khaparkheda Unit 3	210	06/09/2015	18.41	06/09/2015	21.41	Flame Failure	
MSPGCL	Chandrapur Unit-8	500	06/09/2015	22.14		Continued.	Main Steam Temp.Low	

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

Statement-VII

Position as on 6.30 Hrs of 06/Sep/2015

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							
Kolhapur Mapusa I	InterState	04/09/2015	17.05	05/09/2015	06.19	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	04/09/2015	17.56	05/09/2015	07.43	HT	Over Voltage
Akola Aurangabad(PG) I	InterState	05/09/2015	11.27	05/09/2015	15.10	PO	R.m.Work
Dhule Sar'Sarovar I	InterState	05/09/2015	19.43	06/09/2015	07.23	HT	Over Voltage
Kolhapur Mapusa II	InterState	05/09/2015	21.04	06/09/2015	07.34	HT	Over Voltage
Dhule Khandwa II	InterState	06/09/2015	08.55	06/09/2015	17.07	EO	Replacement of Insulator String
Dhule Sar'Sarovar I	InterState	06/09/2015	10.56	06/09/2015	12.36	T	Distance Protection
Kolhapur Mapusa I	InterState	06/09/2015	16.01		Continued.	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	06/09/2015	17.54		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	20/07/2015	17.29	05/09/2015	18.00	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	04/09/2015	15.23		Continued.	HT	To control padgha-bblr 2 line overloading
karad -kolhapur-II	IntraState	04/09/2015	17.35	05/09/2015	06.22	HT	Over Voltage
Karad - Jaigad - II	IntraState	04/09/2015	17.45	05/09/2015	06.25	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	04/09/2015	18.08	05/09/2015	06.20	HT	Over Voltage
Deepnagar Waluj 1	IntraState	05/09/2015	11.32	05/09/2015	18.38	PO	Line Maintenance work
karad -kolhapur-I	IntraState	05/09/2015	17.08	06/09/2015	06.45	HT	Over Voltage
Karad-Jaigad - I	IntraState	05/09/2015	17.16	06/09/2015	06.52	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	05/09/2015	18.14	06/09/2015	07.53	HT	Over Voltage
Akola II - Akola I Ckt-II	IntraState	05/09/2015	18.50	05/09/2015	21.25	PO	Emergency for wave trap sparking attending
Akola II - Taptitanda ckt-I	IntraState	05/09/2015	21.56		Continued.	HT	Over Voltage
Kalwa - Talegaon(PG)	IntraState	06/09/2015	08.48	06/09/2015	19.58	PO	Line Maintenance work
Deepnagar - Aurangabad	IntraState	06/09/2015	09.05	06/09/2015	18.50	PO	Line Rectification work
karad -kolhapur-II	IntraState	06/09/2015	16.14		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	06/09/2015	16.34		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	06/09/2015	17.10		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 Kv 600 MVA ICT-II @Kalwa	IntraState	06/09/2015	13.55	06/09/2015	15.20	PO	DC Leakage
220 KV LINE Outages/Trippings							
Nasik Navsari II	InterState	05/09/2015	12.22	05/09/2015	15.29	T	Distance Protection
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.
REL Borivali TPC Borivali line	IntraState	10/07/2015	16.22		Continued.	T	Distance Protection
Padghe - Vasai	IntraState	15/08/2015	08:35		Continued.	PO	Removal of jumper & bunching work at Loc No. 51/1 & 35 (charged up to Loc No. 51/1 from Padghe end only)
Kalwa - Borivali	IntraState	16/08/2015	08.00		Continued.	PO	Erection of Loc.No.12 and shifting of conductor on NER M/C Tower
Kalwa - Mulund 1	IntraState	22/08/2015	07.35		Continued.	PO	Mumbai Strengthening work
Talandge-Hamidwada	IntraState	05/09/2015	06.25	05/09/2015	16.24	PO	construction work of 400kv kop-mapusa d/c
Mumewadi-Belewadi	IntraState	05/09/2015	06.30	05/09/2015	16.06	PO	construction work of 400kv kop-mapusa d/c

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/Sep/2015

Statement-VII

Position as on 6.30 Hrs of 06/Sep/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Hinjawadi I- Chinchwad	IntraState	05/09/2015	07.53	05/09/2015	17.35	HT	controlling 220kv chinchwad-urse line loading
Parvati - Hybrid Pass	IntraState	05/09/2015	09.30	05/09/2015	18.23	HT	controlling 220kv chinchwad-urse line loading
Lonikand (400 Kv)-Theur I	IntraState	05/09/2015	12.08	05/09/2015	18.00	PO	Half yearly maintenance work
Trombay - Mulund	IntraState	06/09/2015	01.03	06/09/2015	04.57	EO	Attending Hot Spot
Kalwa - Mulund 2	IntraState	06/09/2015	05.27	06/09/2015	10.12	EO	To attend Hot Spot
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
132 KV LINE Outages/Trippings							
Bableshtar - Kopergaon	IntraState	05/09/2015	16.10	05/09/2015	17.30	PO	string insulator replacement work
Kaulewada-Gondia-I	IntraState	06/09/2015	07.03	06/09/2015	07.36	T	Distance Protection
Gangakhed - Kandhar	IntraState	06/09/2015	12.36	06/09/2015	13.00	T	Distance Protection
Khadka - Malkapur	IntraState	06/09/2015	12.48	06/09/2015	12.57	T	Distance Protection
Kalmeshwar-Katol	IntraState	06/09/2015	12.48	06/09/2015	21.53	T	Distance Protection
Pusad-Umarkhed	IntraState	06/09/2015	19.23	06/09/2015	19.32	T	Distance Protection

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