

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 18/Sep/2015 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	97.685	1888.715	1) Gujrat	-2.357	41.666
2) Hydro	5.166	156.010	2) Madhya Pradesh	-1.249	160.239
3) Gas	7.326	120.732	3) Chattisgarh	2.360	75.040
Total MSPGCL	110.177	2165.457	4) Maharashtra Net	53.527	1713.187
B) 1) APML	32.190	849.880	5) Goa	-5.196	-128.681
2) JSWEL	26.670	498.698	6) TAPS 1&2 Injection	3.766	67.469
3) VIPL	9.183	196.570	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	17.920	338.664	8) Pench (MS)	0.663	11.566
5) WPCL	3.875	70.715	9) Pench (Excess)	-0.663	-11.566
6) Other IPP	2.281	37.567	Total	50.188	1917.354
C) 1) TPCL Thermal	15.542	291.992	a) Mumbai Schedule	20.284	395.427
2) TPCL Hydro	0.853	33.975	b) Mumbai Drawl	28.698	467.797
3) TPCL Gas	4.328	61.728	c) MSEDCL Bilateral *	12.310	486.311
4) R-INFRA Thermal	11.219	209.237	Include PX	-14.404	-7.800
D) STATE			d) Mumbai Bilateral *	20.284	394.392
1) Thermal	216.565	4382.038	Include PX	1.574	18.155
(A1+C1+C4+(B1-B6))			Include Standby	0.000	1.035
2) Hydro	6.019	189.985	H) ENERGY CATERED (MUs)		
3) Gas	11.654	182.460	1) MSEDCL	258.448	5837.044
4) Wind	34.130	212.504	2) Mumbai Discoms	60.639	1064.722
6) SOLAR	0.532	17.432	TOTAL STATE	319.087	6901.766
TOTAL STATE	268.900	4984.419			

* 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	4180	4141	3783	4145
MSPGCL Hydro	165	514	1146	73
MSPGCL Gas	274	364	310	272
MSPGCL Total Generation	4619	5019	5239	4490
Central Sector Receipt	2735	1980	3020	564
WIND	1673	1366	1330	1324
CPP / IPP	3801	3884	4171	3595
SOLAR	32	4	0	0
Exchange with Mumbai	-1482	-1332	-1370	-784
MSEDCL DEMAND MET	11378	10921	12390	9189
Load Shedding	21	22	22	21
MSEDCL DEMAND	11399	10943	12412	9210
TPCL GENERATION	894	955	909	698
R-INFRA GENERATION	449	516	516	396
MUMBAI DEMAND	2825	2803	2795	1878
STATE DEMAND MET	14203	13724	15185	11067
STATE DEMAND	14224	13746	15207	11088
Frequency (Hz)	49.92	49.98	49.95	49.92

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 06:02 Hrs	49.73 Hz at 18:54 Hrs	49.95	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 18/Sep/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.31	60.88	145	132
Unit 6	0.00	0.00	0	0
Unit 7	3.80	58.01	171	150
Total	7.11	118.90		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	3.78	73.22	170	140
Unit 4	9.74	188.22	490	380
Unit 5	9.08	136.44	430	340
Total	22.60	397.88		
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	3.12	55.71	146	113
Unit 3	4.09	66.77	180	153
Unit 4	0.00	0.00	0	0
Unit 5	6.51	161.94	305	235
Unit 6	6.38	156.64	295	220
Unit 7	6.92	149.40	322	242
Total	27.02	590.46		
Paras				
Unit 3	4.59	88.42	219	170
Unit 4	4.95	92.43	220	190
Total	9.54	180.85		
Khaparkheda				
Unit 1	3.32	44.42	155	115
Unit 2	3.10	62.08	150	95
Unit 3	2.27	64.29	183	0
Unit 4	3.64	64.80	165	140
Unit 5	7.06	143.80	380	0
Total	19.38	379.40		
Nasik				
Unit 3	3.42	79.58	190	0
Unit 4	4.34	65.19	191	163
Unit 5	4.28	76.46	185	165
Total	12.04	221.22		
Uran				
All Units	7.33	120.73	404	262
Total	7.33	120.73		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.66	11.57	40	0
Total	0.66	11.57		
Koyna				
Stage 1-2	2.40	54.69	475	40
Stage 4	0.29	38.05	177	0
Stage 3	1.00	23.12	234	0
Total	3.70	115.86		
Hydro				
KDPH	0.00	7.93	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.11	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.12	3.26	63	0
RNGR+BHTSA	0.19	1.38	15	0
BHANDARDRA	0.14	6.15	6	5
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.33	4.43	20	11
GHATGHAR	0.69	16.90	250	0
Total	1.47	40.15		
Wind				
Total	34.13	212.50	0	0
Total	34.13	212.50		
CPP				
APML(Mus)	32.19	849.88	0	0
JSWEL(Mus)	26.67	498.70	0	0
VIPL(Mus)	9.18	196.57	0	0
RPLAMT(Mus)	17.92	338.66	0	0
WPCL(Mus)	3.88	70.72	0	0
Other(Mus)	2.28	37.57	0	0
Total	92.12	1992.09		
SOLAR				
Total	0.53	17.43	0	0
Total	0.53	17.43		
Tata				
Trombay 5	10.10	189.58	490	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.75	44.10	115	114
Trombay 7B	1.58	17.63	67	65
Trombay 8	5.44	102.41	244	201
TATA Hydro	0.85	33.98	213	0
Total	20.72	387.70		
R-INFRA				
1-2	11.22	209.24	519	394
Total	11.22	209.24		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	97.68	1888.72
MSPGCL Thml+Gas	105.01	2009.45

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	5.17	156.01
MSPGCL Total	110.18	2165.46

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.70	92.74
State Total	268.90	4984.42

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 18/Sep/2015

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	4347	77	374	4798	1226	3772	0	1920	1574	-1153	10217	33	10250	2246	12496	49.97
2	4250	58	274	4582	1149	3840	0	1451	1456	-971	10056	21	10077	2063	12140	49.92
3	4219	63	274	4556	1184	3874	0	1051	1182	-858	9938	21	9959	1951	11910	49.93
4	4145	73	272	4490	1324	3595	0	772	564	-784	9189	21	9210	1878	11088	49.92
5	4144	63	272	4479	1482	3768	0	530	735	-760	9704	21	9725	1853	11578	49.90
6	4090	77	272	4439	1488	3649	0	1178	1083	-835	9824	21	9845	1926	11771	49.92
7	4145	62	271	4478	1487	3625	1	1819	1745	-896	10440	21	10461	1991	12452	49.89
8	4145	134	271	4550	1492	3770	8	2562	2270	-1045	11045	21	11066	2136	13202	49.98
9	4185	139	274	4598	1647	3640	17	3111	2621	-1345	11178	21	11199	2459	13658	49.95
10	4180	165	274	4619	1673	3801	32	2998	2735	-1482	11378	21	11399	2825	14224	49.92
11	4002	201	274	4477	1607	3829	62	2759	2374	-1411	10938	21	10959	3019	13978	49.96
12	4000	146	272	4418	1424	3757	123	2392	2342	-1436	10628	21	10649	3070	13719	49.95
13	3921	102	270	4293	1477	3835	135	2009	2090	-1450	10380	21	10401	3034	13435	49.94
14	3963	87	271	4321	1536	3827	67	1937	1938	-1398	10291	22	10313	2873	13186	50.01
15	4085	98	262	4445	1406	3785	46	1761	1966	-1424	10224	22	10246	2884	13130	49.97
16	4036	157	275	4468	1549	3772	25	1933	2012	-1431	10395	22	10417	2874	13291	49.98
17	4075	301	362	4738	1527	3792	12	1725	1617	-1400	10286	22	10308	2848	13156	49.97
18	4141	514	364	5019	1366	3884	4	1506	1980	-1332	10921	22	10943	2803	13746	49.98
19	4048	881	322	5251	1470	3940	0	2355	2729	-1390	12000	22	12022	2818	14840	49.91
20	3783	1146	310	5239	1330	4171	0	3014	3020	-1370	12390	22	12412	2795	15207	49.95
21	3862	250	312	4424	1314	4192	0	3555	3679	-1243	12366	22	12388	2736	15124	49.99
22	3978	199	396	4573	1300	4208	0	3355	2944	-1201	11824	22	11846	2626	14472	49.95
23	3887	112	404	4403	1294	3915	0	3258	2982	-1102	11492	22	11514	2567	14081	49.91
24	4054	61	404	4519	1378	3878	0	2879	2550	-981	11344	22	11366	2365	13731	49.94
MUs	97.68	5.17	7.33	110.18	34.13	92.12	0.53	51.83	50.19	-28.70	258.45	0.53	258.97	60.64	319.62	49.95

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 18/Sep/2015

Position as on 6.30 Hrs of 19/Sep/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
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	
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refueling work	
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	
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	
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	
CPP	WPCL U-1	135	25/08/2015	19.18		Continued.	Maintenance work	
IPP	Adani U-5	660	06/09/2015	13.03		Continued.	Bottom Ash Problem	
IPP	Adani U-4	660	11/09/2015	20.49		Continued.	Abnormal sound in generator bearing	
MSPGCL	Uran Unit 6	108	18/09/2015	01.37	18/09/2015	15.45	Bearing vibration high	
MSPGCL	Nasik Unit 3	210	18/09/2015	10.00	18/09/2015	14.10	GTR PRV Operated	
MSPGCL	Khaparkheda Unit 3	210	18/09/2015	12.09	18/09/2015	20.25	Flame Failure	
MSPGCL	Chandrapur Unit-8	500	18/09/2015	13.26	18/09/2015	17.05	Low furnace pressure	
MSPGCL	Koradi Unit-8	660	18/09/2015	18.08		Continued.	ESP Problem	

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 18/Sep/2015

Position as on 6.30 Hrs of 19/Sep/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Khaparkheda Unit 5	500	18/09/2015	18.52	18/09/2015	22.20	Drum level low	
MSPGCL	Chandrapur Unit-8	500	18/09/2015	21.45	19/09/2015	04.51	Generator protection tripped	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Sep/2015

Statement-VII

Position as on 6.30 Hrs of 19/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 II	InterState	16/09/2015	16.10	18/09/2015	09.20	HT	Over Voltage
Dhule Khandwa II	InterState	16/09/2015	19.45		Continued.	T	Distance Protection(RFC 14.50Hrs 17-9-15)
Dhule Sar'Sarovar I	InterState	17/09/2015	17.43		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	17/09/2015	23.59	18/09/2015	07.31	T	Over Voltage
Kolhapur Mapusa I	InterState	18/09/2015	16.14		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-I	IntraState	05/09/2015	21.56		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	10/09/2015	16.40		Continued.	HT	For Controlling Padgha-BBLR D/C Loading.
Koradi-Khaperkheda I	IntraState	16/09/2015	08.18		Continued.	PO	Bay Maintenance Work.(RFC @ 18.25)
karad -kolhapur-I	IntraState	16/09/2015	15.56		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	16/09/2015	16.30		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	16/09/2015	16.33		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	16/09/2015	23.50		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	17/09/2015	04.02		Continued.	T	Over Voltage
Padghe - Nagothane - I	IntraState	17/09/2015	16.12		Continued.	HT	Over Voltage
N.Koyna-Karad -Ckt I	IntraState	17/09/2015	16.17		Continued.	HT	Over Voltage
Dhule - Bableshwar - li	IntraState	18/09/2015	03.58	18/09/2015	08.51	T	Over Voltage
Chandrapur-Parali 1	IntraState	18/09/2015	03.58	18/09/2015	06.43	HT	Over Voltage
Dhule - Bableshwar - li	IntraState	19/09/2015	03.20		Continued.	T	Over Voltage
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.
REL Borivali TPC Borivali line	IntraState	10/07/2015	16.22		Continued.	T	Tripped on B ph Diff Prot. cable damage near reliance sub station.
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
Bhosari 2 - Telco	IntraState	18/09/2015	04.55	18/09/2015	08.02	T	Telco EHV Consumer B Phase metering PT Burst
Telco- Chinchwad	IntraState	18/09/2015	04.55	18/09/2015	06.30	T	Telco EHV Consumer B Phase metering PT Burst
Phursungi-Serum	IntraState	18/09/2015	09:20	18/09/2015	13:09	PO	Line Maintenance work
Theur-Jejuri	IntraState	18/09/2015	10:26	18/09/2015	13:27	PO	Line Maintenance work
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/22KV 100MVA T/F 4 @Mulund	IntraState	09/09/2015	12.20		Continued.	PO	Replacement of Control and Relay Panel
220/33 Kv 100 Mva Alstom Ptr 1 @Valve	IntraState	15/09/2015	16.34		Continued.	T	On Snake Fault,R,Y,B Ph Breaker Pole Burst.
132 KV LINE Outages/Trippings							
Kanhan-Pench	IntraState	18/09/2015	02.28		Continued.	T	Distance Protection
Kurunda - Hingoli	IntraState	18/09/2015	19:37	18/09/2015	20:12	T	Distance Protection

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