

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 09/Sep/2015 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	111.529	908.091	1) Gujrat	1.766	39.574
2) Hydro	6.093	110.756	2) Madhya Pradesh	8.314	109.961
3) Gas	6.412	57.245	3) Chattisgarh	3.710	43.260
Total MSPGCL	124.034	1076.092	4) Maharashtra Net	101.697	933.993
B) 1) APML	53.870	500.370	5) Goa	-7.760	-67.954
2) JSWEL	29.172	248.709	6) TAPS 1&2 Injection	5.102	35.857
3) VIPL	11.139	107.827	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	22.770	189.943	8) Pench (MS)	0.517	6.550
5) WPCL	4.117	34.467	9) Pench (Excess)	-0.517	-6.550
6) Other IPP	2.091	18.897	Total	112.312	1088.141
C) 1) TPCL Thermal	16.234	152.711	a) Mumbai Schedule	23.169	216.118
2) TPCL Hydro	2.337	21.294	b) Mumbai Drawl	28.357	223.189
3) TPCL Gas	3.505	26.977	c) MSEDCL Bilateral *	27.170	294.736
4) R-INFRA Thermal	11.854	109.286	Include PX	-0.548	39.596
D) STATE			d) Mumbai Bilateral *	23.169	215.168
1) Thermal	262.776	2270.301	Include PX	1.012	12.329
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.950
2) Hydro	8.430	132.050	H) ENERGY CATERED (MUs)		
3) Gas	9.917	84.222	1) MSEDCL	335.684	3125.267
4) Wind	3.619	74.503	2) Mumbai Discoms	62.285	533.443
6) SOLAR	0.917	9.507	TOTAL STATE	397.969	3658.710
TOTAL STATE	285.659	2570.583			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 5 Hrs
MSPGCL Thermal	4673	4609	4751	4592
MSPGCL Hydro	953	356	225	110
MSPGCL Gas	265	262	269	270
MSPGCL Total Generation	5891	5227	5245	4972
Central Sector Receipt	5157	5344	5155	4234
WIND	125	125	158	81
CPP / IPP	5295	5327	5238	5032
SOLAR	92	145	0	0
Exchange with Mumbai	-1448	-1434	-1325	-809
MSEDCL DEMAND MET	15112	14734	14471	13510
Load Shedding	26	188	26	23
MSEDCL DEMAND	15138	14922	14497	13533
TPCL GENERATION	1121	1143	1073	664
R-INFRA GENERATION	515	517	518	400
MUMBAI DEMAND	3084	3094	2916	1873
STATE DEMAND MET	18196	17828	17387	15383
STATE DEMAND	18222	18016	17413	15406
Frequency (Hz)	49.94	49.86	49.88	49.86

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 15:02 Hrs	49.67 Hz at 04:49 Hrs	49.89	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 09/Sep/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.54	30.02	155	140
Unit 6	0.00	0.00	0	0
Unit 7	0.00	30.19	0	0
Total	3.54	60.21		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.17	36.63	180	165
Unit 4	10.76	94.70	500	405
Unit 5	9.39	48.92	410	370
Total	24.32	180.25		
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	3.50	28.22	152	130
Unit 3	4.35	29.09	200	165
Unit 4	0.00	0.00	0	0
Unit 5	9.48	83.64	415	360
Unit 6	9.47	85.54	435	355
Unit 7	9.31	75.22	418	330
Total	36.12	301.70		
Paras				
Unit 3	5.09	44.08	222	198
Unit 4	4.98	47.30	220	193
Total	10.07	91.38		
Khaparkheda				
Unit 1	3.72	13.18	165	140
Unit 2	3.62	29.86	170	130
Unit 3	3.92	30.04	180	147
Unit 4	4.05	30.44	172	163
Unit 5	8.79	68.54	380	350
Total	24.10	172.06		
Nasik				
Unit 3	4.34	40.32	200	165
Unit 4	4.54	25.91	203	172
Unit 5	4.48	36.27	202	176
Total	13.37	102.50		
Uran				
All Units	6.41	57.24	275	259
Total	6.41	57.24		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.52	6.55	50	0
Total	0.52	6.55		
Koyna				
Stage 1-2	1.72	36.52	170	40
Stage 4	0.45	35.25	250	0
Stage 3	0.67	16.39	140	0
Total	2.85	88.17		
Hydro				
KDPH	0.56	4.50	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.	0.16	1.73	80	0
RNGR+BHTSA	0.00	0.88	0	0
BHANDARDRA	0.55	4.63	23	22
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.38	2.56	23	13
GHATGHAR	1.59	8.29	250	0
Total	3.24	22.59		
Wind				
Total	3.62	74.50	0	0
Total	3.62	74.50		
CPP				
APML(Mus)	53.87	500.37	0	0
JSWEL(Mus)	29.17	248.71	0	0
VIPL(Mus)	11.14	107.83	0	0
RPLAMT(Mus)	22.77	189.94	0	0
WPCL(Mus)	4.12	34.47	0	0
Other(Mus)	2.09	18.90	0	0
Total	123.16	1100.21		
SOLAR				
Total	0.92	9.51	0	0
Total	0.92	9.51		
Tata				
Trombay 5	10.56	100.15	493	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.52	21.76	115	89
Trombay 7B	0.99	5.22	67	0
Trombay 8	5.67	52.56	251	201
TATA Hydro	2.34	21.29	227	0
Total	22.08	200.98		
R-INFRA				
1-2	11.85	109.29	519	396
Total	11.85	109.29		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	111.53	908.09
MSPGCL Thml+Gas	117.94	965.34

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	6.09	110.76
MSPGCL Total	124.03	1076.09

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.18	71.78
State Total	285.66	2570.58

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 09/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	4639	99	269	5007	138	5062	0	4817	4372	-922	13657	38	13695	2303	15998	49.89
2	4524	94	269	4887	128	5013	0	4651	4533	-987	13574	23	13597	2076	15673	49.87
3	4561	95	269	4925	74	5159	0	4321	4372	-904	13626	23	13649	1967	15616	49.85
4	4550	95	269	4914	63	5077	0	4259	4329	-825	13558	23	13581	1888	15469	49.85
5	4592	110	270	4972	81	5032	0	4249	4234	-809	13510	23	13533	1873	15406	49.86
6	4566	101	270	4937	126	5116	0	4526	4518	-860	13837	26	13863	1967	15830	49.97
7	4613	182	274	5069	122	5060	1	4899	4938	-898	14292	27	14319	2084	16403	49.86
8	4694	414	275	5383	149	5189	12	5025	5011	-968	14776	27	14803	2211	17014	49.94
9	4688	515	260	5463	123	5293	43	5244	5189	-1113	14998	27	15025	2515	17540	49.97
10	4707	757	268	5732	84	5273	63	5282	5201	-1321	15032	26	15058	2849	17907	49.86
11	4673	953	265	5891	125	5295	92	5259	5157	-1448	15112	26	15138	3084	18222	49.94
12	4654	743	266	5663	111	5304	155	5235	5210	-1448	14995	110	15105	3103	18208	49.88
13	4609	356	262	5227	125	5327	145	5206	5344	-1434	14734	188	14922	3094	18016	49.86
14	4634	209	262	5105	298	5281	142	5133	4337	-1377	13786	88	13874	2961	16835	49.88
15	4743	95	260	5098	272	5276	106	4970	4728	-1440	14040	43	14083	3020	17103	49.91
16	4761	100	259	5120	247	5305	82	4973	4646	-1496	13904	26	13930	3049	16979	49.92
17	4645	105	259	5009	272	5086	50	4913	4518	-1437	13498	26	13524	3029	16553	49.82
18	4648	115	267	5030	265	4922	25	4321	4461	-1390	13313	26	13339	2963	16302	49.87
19	4729	147	268	5144	177	5153	1	4463	4355	-1363	13467	26	13493	2904	16397	49.94
20	4751	225	269	5245	158	5238	0	5082	5155	-1325	14471	26	14497	2916	17413	49.88
21	4702	154	269	5125	134	5291	0	4864	4446	-1293	13703	26	13729	2707	16436	49.89
22	4658	123	271	5052	129	4921	0	4679	4405	-1242	13265	26	13291	2644	15935	49.94
23	4631	178	272	5081	147	4833	0	4711	4501	-1122	13440	26	13466	2642	16108	49.86
24	4557	128	270	4955	71	4653	0	4578	4352	-935	13096	26	13122	2438	15560	49.87
MUs	111.53	6.09	6.41	124.03	3.62	123.16	0.92	115.66	112.31	-28.36	335.68	0.95	336.64	62.29	398.92	49.89

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 09/Sep/2015

Position as on 6.30 Hrs of 10/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	
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	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	09/09/2015	05.38	ESP problem	
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	
MSPGCL	Chandrapur Unit-8	500	08/09/2015	11.32	09/09/2015	18.10	Drum Level Very High.	
MSPGCL	Koradi Unit 7	210	08/09/2015	22.44		Continued.	Boiler Validity Extention.	
MSPGCL	Koradi Unit-8	660	09/09/2015	06.19	09/09/2015	12.54	During Change Over from TCS to DCS.	
TPC-G	Trombay 7B	60	09/09/2015	16.20		Continued.	Exciator Bearing Vibration problem	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Sep/2015

Statement-VII

Position as on 6.30 Hrs of 10/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	08/09/2015	17.36	09/09/2015	07.24	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	08/09/2015	23.08	09/09/2015	09.45	HT	Over Voltage
Wardha (PG)-Warora II	InterState	09/09/2015	09.22	09/09/2015	18.16	PO	Diagnostic Testing Work CRM Etc.
Lamboti - Solapur (PG)	InterState	09/09/2015	12.07	09/09/2015	15.29	EO	To Replace Flashover Insulator String.
Kolhapur Mapusa I	InterState	09/09/2015	18.12	10/09/2015	06.57	HT	Over Voltage
Lamboti - Solapur (PG)	InterState	09/09/2015	19.13		Continued.	T	Dist.Prot.Y Ph Earth.
Dhule Sar'Sarovar I	InterState	09/09/2015	22.01		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	04/09/2015	15.23		Continued.	HT	To control padgha-bblr 2 line overloading
Akola II - Taptitanda ckt-I	IntraState	05/09/2015	21.56		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	07/09/2015	16.37	09/09/2015	10.26	HT	Over Voltage
Chandrapur-Parali III	IntraState	08/09/2015	09.33	09/09/2015	11.43	PO	Shifted on TBC to Replace Trip Coil of Main Breaker.
Karad - Jaigad - II	IntraState	08/09/2015	17.07	09/09/2015	07.44	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	08/09/2015	18.05	09/09/2015	07.21	HT	Over Voltage
Nagothane - Dabhol I	IntraState	09/09/2015	05.14		Continued.	PO	Taken on TBC for Attending Main CB Problem.
Chandrapur - Khaperkheda	IntraState	09/09/2015	07.53	09/09/2015	17.37	PO	Vibration Damper Replacement Work.
karad -kolhapur-I	IntraState	09/09/2015	16.35		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	09/09/2015	16.37		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	09/09/2015	17.42		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	10/09/2015	00.01		Continued.	HT	Over Voltage
Girwali- Lonikand 2	IntraState	10/09/2015	04.16		Continued.	T	Distance Protection
400 KV ICT Outages/Trippings							
400/220/33 Kv 500 MVA ICT-II @Lonikand	IntraState	09/09/2015	13.41	09/09/2015	14.07	T	NDR Protection.
400/220/33 Kv 500 MVA ICT-I @Lonikand 2	IntraState	09/09/2015	13.41	09/09/2015	14.06	T	NDR Protection.
220 KV LINE Outages/Trippings							
Nasik Navsari II	InterState	08/09/2015	23.19	09/09/2015	09.12	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
Sahara-Urse	IntraState	09/09/2015	02.49	09/09/2015	12.19	T	Distance Protection
New Koyna - Pophali-II	IntraState	09/09/2015	08.10	09/09/2015	17.05	PO	Preventive Maintenance Work.
Karad - Vita Ckt- II	IntraState	09/09/2015	08.42	09/09/2015	17.41	PO	Replacement of Disc Insulator String.
Kanhan-Suryalakshmi	IntraState	09/09/2015	10.20	09/09/2015	17.00	PO	Replacement of R & B Ph CC Due to High Capacitance Value,Measurment of Tan Delta of

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 09/Sep/2015

Statement-VII

Position as on 6.30 Hrs of 10/Sep/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							& CC's.
Nanded - Parli Ext. Ckt I	IntraState	09/09/2015	11.12	09/09/2015	15.48	PO	Nut Bolt Tighting Work & Attending Red Hot.
Karad(400kv) - Wathar	IntraState	09/09/2015	13.03	09/09/2015	14.10	T	Dist.Prot.R Ph to Earth.
Wardha- Pgcil(Deoli)	IntraState	09/09/2015	13.11	09/09/2015	14.08	T	Dist.Prot. @ Deoli PG End Only.
Kandalgaon - Bhira	IntraState	09/09/2015	14.20	09/09/2015	22.55	T	Distance Protection
Parli 3 (Oldgcr)-Harangul Ckt I	IntraState	09/09/2015	16.03	09/09/2015	19.41	EO	Attending Hot Spot on Wave Trap Y Ph.
Jejuri-Phursungi 1	IntraState	09/09/2015	21.33		Continued.	T	Distance Protection
Kharghar Trombay	IntraState	09/09/2015	22.32	10/09/2015	02.12	EO	To Attend Hot Spot @ CC.
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/132 Kv 200 Mva Bbl Ict 1 @Beed	IntraState	09/09/2015	12.38	09/09/2015	19.15	PO	Replacement of HV B/U Relay.
220/132kv 100MVA ICT-1@Jeur	IntraState	09/09/2015	22.32	09/09/2015	23.36	T	OLTC Buccholz Relay.
132 KV LINE Outages/Trippings							
Harangul - Nilanga	IntraState	08/09/2015	22.12		Continued.	T	Distance Protection Operated Zone-II R Phase.
Harangul - Nilanga	IntraState	09/09/2015	00.24	09/09/2015	11.57	T	Insulator String Decapped.

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