

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 13/Sep/2016 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	118.588	1529.600	1) Gujrat	-3.711	54.520
2) Hydro	12.532	107.638	2) Madhya Pradesh	7.342	127.856
3) Gas	6.448	83.405	3) Chattisgarh	5.610	63.610
Total MSPGCL	137.568	1720.643	4) Maharashtra Net	104.346	1089.071
B) 1) APML	64.490	749.122	5) Goa (Amona)	-0.616	-6.616
2) JSWEL	21.339	257.517	6) TAPS 1&2 Injection	7.590	99.655
3) VIPL	12.784	153.853	7) RGPPL Injection	11.909	156.371
4) RPL(AMT)	11.663	51.960	8) Pench (MS)	0.761	12.197
5) WPCL	5.023	56.375	9) Pench (Excess)	-0.761	-12.197
6) PGPL	6.538	80.445	Total	131.709	1572.270
7) Other IPP	2.582	33.935	a) Mumbai Schedule	19.092	249.423
C) 1) TPCL Thermal	11.813	156.502	b) Mumbai Drawl	24.736	312.493
2) TPCL Hydro	5.725	73.673	c) MSEDCL Bilateral *	30.007	349.454
3) TPCL Gas	4.317	56.669	Include PX	0.000	-28.720
4) R-INFRA Thermal	11.225	136.217	d) Mumbai Bilateral *	19.092	248.909
D) STATE			Include PX	1.119	18.615
1) Thermal	259.507	3125.081	Include Standby	0.000	0.514
(A1+C1+C4+(B1-B6))			H) ENERGY CATERED (MUs)		
2) Hydro (A2+C2)	18.257	181.311	1) MSEDCL	379.043	4626.171
3) Gas (A3+B6+C3)	17.303	220.519	2) Mumbai Discoms	57.816	735.556
4) Wind	9.191	249.446	TOTAL STATE	436.859	5361.727
6) SOLAR	0.892	13.098			
TOTAL STATE	305.150	3789.455			

* 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 14 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 5 Hrs
MSPGCL Thermal	4895	4875	5279	4550
MSPGCL Hydro	1448	706	1665	102
MSPGCL Gas	272	259	262	282
MSPGCL Total Generation	6615	5840	7206	4934
Central Sector Receipt	5974	6045	5178	4790
WIND	268	205	457	410
CPP / IPP Thermal	5105	5100	5285	4286
CPP / IPP Gas	280	293	233	280
SOLAR	100	105	0	0
Exchange with Mumbai	-1037	-1094	-1127	-763
MSEDCL DEMAND MET	17305	16494	17232	13937
Load Shedding	0	0	0	0
MSEDCL DEMAND	17305	16494	17232	13937
TPCL GENERATION	1087	1080	1086	644
R-INFRA GENERATION	506	509	508	403
MUMBAI DEMAND	2630	2683	2721	1810
STATE DEMAND MET	19935	19177	19953	15747
STATE DEMAND	19935	19177	19953	15747
Frequency (Hz)	49.94	49.98	49.98	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 06.04 Hrs	49.82 Hz at 02.16 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 13/Sep/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	10.83	0	0
Unit 6	0.00	0.00	0	0
Unit 7	3.20	45.66	153	114
Unit 8	11.56	142.86	608	385
Total	14.76	199.35		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	9.88	75.00	500	365
Unit 5	9.20	103.63	450	350
Total	19.08	178.64		
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
Total	0.00	0.00		
Chandrapur				
Unit 3	4.23	55.16	195	162
Unit 4	4.22	35.12	184	162
Unit 5	8.99	115.88	395	358
Unit 6	9.81	124.60	445	347
Unit 7	9.15	120.68	402	346
Unit 8	1.13	107.30	275	0
Total	37.53	558.74		
Paras				
Unit 3	5.47	70.00	248	193
Unit 4	5.54	68.41	255	190
Total	11.00	138.41		
Khaparkheda				
Unit 1	3.78	31.56	190	115
Unit 2	3.92	49.14	170	135
Unit 3	4.30	55.24	195	162
Unit 4	4.27	53.15	185	166
Unit 5	11.10	136.21	500	400
Total	27.36	325.31		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	4.43	54.55	204	160
Unit 5	4.44	53.83	198	165
Total	8.86	108.38		
Uran				
All Units	6.45	83.40	283	252
Total	6.45	83.40		
PGPL				
Unit 1	4.17	51.09	190	143

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	2.37	29.35	105	85
Total	6.54	80.44		
PENCH (MS)				
Pench (MS)	0.76	12.20	52	0
Total	0.76	12.20		
Koyna				
Stage 1-2	3.91	37.94	485	40
Stage 4	3.36	18.43	812	0
Stage 3	1.97	14.86	160	0
Total	9.24	71.24		
Hydro				
KDPH	0.88	3.42	37	36
VTRNA	0.00	0.73	0	0
TILLARI	0.23	3.51	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.46	6.08	80	0
RNGR+BHTSA	0.00	0.57	0	0
BHANDARDRA	0.34	3.78	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.20	3.47	18	5
GHATGHAR	1.18	14.83	250	0
Total	3.29	36.40		
Wind				
Total	9.19	249.45	0	0
Total	9.19	249.45		
CPP				
APML(Mus)	64.49	749.12	0	0
JSWEL(Mus)	21.34	257.52	0	0
VIPL(Mus)	12.78	153.85	0	0
RPLAMT(Mus)	11.66	51.96	0	0
WPCL(Mus)	5.02	56.38	0	0
Other(Mus)	2.58	33.94	0	0
Total	117.88	1302.76		
SOLAR				
Total	0.89	13.10	0	0
Total	0.89	13.10		
Tata				
Trombay 5	6.32	88.70	267	258
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.72	35.86	115	72
Trombay 7B	1.60	20.81	68	56
Trombay 8	5.49	67.81	246	196
TATA Hydro	5.72	73.67	408	0
Total	21.86	286.84		
R-INFRA				
1-2	11.22	136.22	510	402
Total	11.22	136.22		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	0.00	20.78
Koradi 9	0.00	0.00
Koradi 10	0.00	0.00
Parli 8	0.00	0.00

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	118.59	1529.60
MSPGCL Thml+Gas	125.04	1613.00
MSPGCL Hydro	12.53	107.64

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	137.57	1720.64
Koyna 1,2 & 4 Total	7.27	56.38
State Total	305.15	3789.46

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 13/Sep/2016

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	4754	102	272	5128	402	4675	281	0	5315	4993	-1142	14336	0	14336	2192	16528	49.95
2	4611	102	274	4987	430	4661	281	0	4771	4722	-945	14135	0	14135	1996	16131	49.94
3	4568	97	273	4938	346	4442	281	0	4711	4749	-815	13941	0	13941	1891	15832	49.93
4	4550	117	274	4941	402	4299	280	0	4671	4875	-737	14060	0	14060	1822	15882	49.93
5	4550	102	282	4934	410	4286	280	0	4684	4790	-763	13937	0	13937	1810	15747	49.93
6	4570	112	273	4955	446	4332	280	0	5200	5769	-795	14987	0	14987	1879	16866	49.94
7	4985	311	273	5569	494	4668	281	0	5464	5743	-845	15910	0	15910	2002	17912	49.97
8	5065	436	282	5783	342	5055	282	18	5693	6107	-707	16880	0	16880	2113	18993	49.98
9	4921	963	272	6156	291	5115	280	68	5719	5991	-878	17023	0	17023	2408	19431	49.98
10	4895	1448	272	6615	268	5105	280	100	5769	5974	-1037	17305	0	17305	2630	19935	49.94
11	4915	1153	265	6333	256	5116	282	127	5906	5941	-1231	16824	0	16824	2829	19653	49.96
12	4919	566	262	5747	317	5097	284	132	6006	6172	-1244	16505	0	16505	2837	19342	49.97
13	4868	608	260	5736	247	5114	283	117	5845	6055	-1164	16388	0	16388	2755	19143	49.97
14	4875	706	259	5840	205	5100	293	105	5748	6045	-1094	16494	0	16494	2683	19177	49.98
15	4925	507	252	5684	214	5113	279	82	5804	5886	-1103	16155	0	16155	2685	18840	49.95
16	4923	531	263	5717	340	5116	280	79	5603	5955	-1097	16391	0	16391	2702	19093	49.94
17	5151	318	262	5731	474	5106	280	44	5605	5703	-1119	16219	0	16219	2706	18925	49.96
18	5136	189	262	5587	514	5105	276	19	5557	5856	-1091	16266	0	16266	2647	18913	49.99
19	5132	1140	264	6536	433	5176	230	1	5133	5275	-1036	16615	0	16615	2630	19245	49.98
20	5279	1665	262	7206	457	5285	233	0	5124	5178	-1127	17232	0	17232	2721	19953	49.98
21	5421	626	264	6311	453	5231	245	0	5122	5167	-1036	16372	0	16372	2632	19004	49.99
22	5416	256	265	5937	490	5074	257	0	5091	4993	-1149	15601	0	15601	2502	18103	50.01
23	5324	261	283	5868	460	4934	256	0	4948	4935	-1260	15193	0	15193	2431	17624	50.01
24	4835	216	278	5329	500	4676	255	0	5256	4835	-1321	14274	0	14274	2313	16587	50.03
MUs	118.59	12.53	6.45	137.57	9.19	117.88	6.54	0.89	128.75	131.71	-24.74	379.04	0.00	379.04	57.82	436.86	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 13/Sep/2016

Position as on 6.30 Hrs of 14/Sep/2016

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,(AOH for 06.03.2016 To 04.04.2016) Unit Test synch.07.04.2016 (12.03 To 12.30hrs)After overhaul	
MSPGCL	Koyna Unit 10	80	29/12/2015	08:00		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	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No PPA.	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
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	
CPP	WPCL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
IPP	RPL(AMT) U-5	270	24/05/2016	00.05		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Uran Unit 7	108	24/05/2016	17.42		Continued.	Generation Bearing Vibration High.	
MSPGCL	Koradi Unit 9	660	04/06/2016	14.45		Continued.	No concent to operate	
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)	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Bhusawal Unit 3	210	08/07/2016	23.57	14/09/2016	01.35	ID Fan Problem (Converted to Zero schedule by MSEDCL from 11-07-2016)	
MSPGCL	Uran Unit B0	120	14/08/2016	07.56		Continued.	Maintenance work	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
MSPGCL	Koyna Unit 8	80	19/08/2016	11.00		Continued.	High Vibration On LGB & UGB.	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Nasik Unit 3	210	28/08/2016	21.45		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	ID Fan Problem	
IPP	RPL(AMT) U-2	270	12/09/2016	00.03		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Chandrapur Unit-8	500	13/09/2016	00.18	13/09/2016	19.27	Generator Protection operated	
PGPL	PGPL U2	126	14/09/2016	00.16		Continued.	Due To No Shedule.	
PGPL	PGPL U1	262	14/09/2016	00.20		Continued.	Due To No Shedule.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Sep/2016

Statement-VII

Position as on 6.30 Hrs of 14/Sep/2016

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							
Dhule Sar'Sarovar I	InterState	13/09/2016	03.29	13/09/2016	09.32	HT	Over Voltage
Dabhol Nagothane II	InterState	13/09/2016	12.37	13/09/2016	15.49	T	DP Main !&2, A/R operated
Kolhapur Solapur(PG) I	InterState	13/09/2016	23.07		Continued.	HT	Over Voltage
Lamboti - Solapur (PG)	InterState	14/09/2016	00.39	14/09/2016	06.06	T	Distance Protection
Dhule Sar'Sarovar I	InterState	14/09/2016	02.01		Continued.	HT	Over Voltage
Ektuni-Bableshwar ckt II	IntraState	01/08/2016	09.53		Continued.	HT	To control Padgha-BBLSR L/L
karad -kolhapur-I	IntraState	13/09/2016	14.20	13/09/2016	15.06	T	Distance Protection
karad -kolhapur-I	IntraState	13/09/2016	20.17		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv, 500 MVA ICT-III @Babhleshwar	IntraState	20/08/2016	11.06		Continued.	PO	Shifted on TBC, by hot line jumper open for construction of kudas bay ektuni CKT-2 will remain off during this outage period.
400/220 Kv 500 MVA ICT 3 @Kolhapur	IntraState	13/09/2016	17.45	13/09/2016	19.01	T	Tripped on R-Ph OSR.
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Talandage end)
Mudshingi - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Chikodi end)
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.
GIS Bhandup - Borivali	IntraState	11/01/2016	07.42		Continued.	PO	Tower Erection Work.
Kalwa-Salsette-IV	IntraState	28/06/2016	18.17		Continued.	T	Distance Protection
Bableshwar- Alephata	IntraState	26/08/2016	20.54		Continued.	HT	Hand tripped.
Nagothane-Wadkhal II	IntraState	11/09/2016	01.50		Continued.	T	Distance Protection
Osmanabad - Solapur (Bale)	IntraState	11/09/2016	14.44		Continued.	HT	Control solapur ICT's lowerloading
Parli 2-(Girwali) -Murud	IntraState	11/09/2016	14.51		Continued.	HT	Control solapur ICT's lowerloading.
Aurangabad - Chitegaon	IntraState	12/09/2016	19.30	13/09/2016	05.20	T	Wavetrap Jumper opened at chitegaon.
Waluj - Chitegaon I	IntraState	13/09/2016	01.10	13/09/2016	02.15	T	Bus Bar Operated at Chitegaon.Charged from Waluj
Waluj - Chitegaon li	IntraState	13/09/2016	01.10	13/09/2016	14.50	T	Bus bar oprated 165 MV load affected.
Pedambe-Nerle	IntraState	13/09/2016	11.07	13/09/2016	13.12	PO	Relay Testing Work.
Waluj - Chitegaon I	IntraState	13/09/2016	13.48	13/09/2016	21.53	T	Bus Bar Operated at Chitegaon.Charged from Waluj
Waluj - Chitegaon li	IntraState	13/09/2016	13.48	13/09/2016	22.10	T	Bus Bar Operated at Chitegaon.Charged from Waluj
Nerle - Dasgaon	IntraState	13/09/2016	14.00	13/09/2016	16.46	PO	Relay Testing Work.
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 Kv /132 Kv 100 Mva Ptr @Chitegaon	IntraState	13/09/2016	01.10	13/09/2016	02.31	T	Bus Bar Operated at Chitegaon.Charged from Waluj
220 Kv /132 Kv 100 Mva Ptr @Chitegaon	IntraState	13/09/2016	13.48	13/09/2016	14.55	T	Bus Bar Operated at Chitegaon.Charged from Waluj
132 KV LINE Outages/Trippings							
Chitegaon - Paithan	IntraState	13/09/2016	01.10	13/09/2016	01.38	T	Bus Bar Operated at Chitegaon,

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 13/Sep/2016

Statement-VII

Position as on 6.30 Hrs of 14/Sep/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							Charged from Waluj end CKT- I.
Chitegaon - Paithan	IntraState	13/09/2016	13.48	13/09/2016	22.19	T	Bus Bar Operated at Chitegaon.Charged from Waluj
Chitegaon 2 - Satara (Deolai)	IntraState	13/09/2016	13.48	13/09/2016	15.00	T	Bus Bar Operated at Chitegaon.Charged from Waluj
Chitegaon - RI Steel	IntraState	13/09/2016	13.48	13/09/2016	15.00	T	Bus Bar Operated at Chitegaon.Charged from Waluj
100 KV LINE Outages/Trippings							
Vasai-Ii - Vasai 2 Line	IntraState	13/08/2016	08.53		Continued.	HT	ICT Problem.