



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

16/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Sep/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	100.944	1405.093	1) Gujrat	9.930	5.445
2) Hydro	8.814	310.007	2) Madhya Pradesh	16.064	231.022
3) Gas	6.208	153.818	3) Chattisgarh	7.060	104.620
Total MSGENCO	115.966	1868.918	4) Maharashtra Net	105.192	1338.720
B) 1) JSW JAIGAD	26.186	422.099	(Incl. 765kV Solapur-Raichur)	-1.809	-70.212
2) WPCL	2.141	60.808	5) Goa	-6.622	-97.032
3) ADANI	28.800	202.723	6) TAPS 1&2 Injection	7.299	118.638
4) Other CPP / IPP	17.087	211.156	7) RGPPL Injection	0.000	0.000
5) Wind Generation	12.981	440.859	8) Pench (Excess)	-0.421	-10.036
6) PENCH (MS)	0.421	10.036	# Total Cent. Sector	138.502	1691.377
7) SOLAR	1.106	12.016	F) Other Exchanges		
C) 1) TPCL Thermal	15.703	233.431	1) With TPCL (Excess)	-27.571	-393.875
2) TPCL Hydro	3.646	72.243	G) Bilateral Power *		
TOTAL TPCL	19.349	305.674	1) MSEDCL Bilateral	33.515	342.674
3) REL Thermal	12.489	197.154	Include PX	11.944	-13.226
D) STATE			2) MUMBAI Bilateral	26.670	334.928
1) Thermal (A1+C1+C3)	129.136	1835.678	Include PX	1.554	68.549
2) Hydro (A2+B6+C2)	12.881	392.286	3) MUMBAI Schedule	26.858	339.371
3) Gas (A3)	6.208	153.818	H) ENERGY CATERED (MUs)		
4) Wind (B5)	12.981	440.859	1) MSEDCL	315.619	4526.117
5) CPP/IPP (B1+B2+B3+B4)	74.214	896.786	2) TPCL	37.848	572.574
6) SOLAR (B7)	1.106	12.016	3) REL	21.553	324.114
TOTAL STATE	236.526	3731.443	TOTAL STATE	375.020	5422.805

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4283	4463	3923
MSGENCO Hydro	737	676	78
MSGENCO Gas	150	196	440
MSGENCO Total Generation	5170	5335	4441
Central Sector Receipt	7220	6502	4681
WIND	245	301	407
CPP / IPP	3149	3133	2870
SOLAR	128	136	0
Exchange with Mumbai	-1434	-1343	-567
MSEDCL DEMAND MET	14478	14064	11832
Load Shedding	66	68	50
MSEDCL DEMAND	14544	14132	11882
TPCL GENERATION	1059	1043	627
R-INFRA GENERATION	523	522	523
TPCL+R-INFRA DEMAND	3016	2908	1717
STATE DEMAND MET	17494	16972	13549
STATE DEMAND	17560	17040	13599
Frequency (Hz)	49.89	49.96	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 13:04 Hrs	49.62 Hz at 00:08 Hrs	49.93	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 16/Sep/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.22	43.41	149	100	150
Unit 7	0.00	44.25	0	0	0
Total	3.22	87.66			150
Bhusawal					
Unit 2	0.00	8.92	0	0	0
Unit 3	0.00	20.14	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	8.59	138.14	430	280	450
Total	8.59	167.21			450
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.85	54.09	166	155	160
Unit 6	5.39	75.36	250	196	191
Unit 7	5.31	69.08	250	198	195
Total	14.55	198.53			546
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.63	42.69	120	104	125
Unit 3	2.76	29.70	139	102	130
Unit 4	3.25	46.96	160	123	140
Unit 5	7.64	56.67	380	240	225
Unit 6	6.29	71.77	335	166	300
Unit 7	7.58	98.80	354	280	330
Total	30.15	346.59			1250
Paras					
Unit 3	4.19	28.54	201	146	230
Unit 4	4.78	71.51	220	175	230
Total	8.96	100.05			460
Khaparkheda					
Unit 1	3.88	39.01	190	140	170
Unit 2	3.62	54.56	180	120	170
Unit 3	4.04	60.49	191	141	170
Unit 4	3.99	58.01	181	143	170
Unit 5	7.47	114.90	340	245	350
Total	23.00	326.98			1030
Nasik					
Unit 3	4.16	61.19	190	155	162
Unit 4	4.10	52.64	179	159	162
Unit 5	4.21	64.25	185	158	172
Total	12.46	178.08			496
Uran					
All Units	6.21	153.82	444	0	300
Total	6.21	153.82			300
PENCH (MS)					
Pench (MS)	0.42	10.04	54	0	0
Total	0.42	10.04			0
Koyna					
Stage 1-2	2.52	72.02	445	40	600
Stage 4	2.82	114.16	470	0	250
Stage 3	1.15	49.08	160	0	320
Kovna 12&4 Total	5.34	186.18			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.49	235.26			1170
Hydro					
KDPH	0.00	7.40	0	0	36
VTRNA	0.00	11.49	0	0	61
TILLARI	0.67	9.87	66	0	63
BHTGR/VEER	0.10	2.41	5	4	0
BHIRA T.R.	0.33	6.28	80	0	80
RNGR+BHTSA	0.00	0.61	0	0	6
BHANDARDRA	0.09	5.39	15	0	14
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.52	18.58	30	18	11
GHATGHAR	0.62	12.71	146	0	0
Total	2.33	74.75			271
Wind					
MalharPeth	0.44	13.52			
Vankuswadi	0.63	22.42			
ATIT	0.10	2.88			
Kale	0.28	9.10			
Satara	4.97	209.49			
Shirala	0.32	12.34			
K Mahankal	0.03	1.48			
Supa	0.05	7.90			
Vita	1.16	43.58			
Dondaicha	3.32	67.12			
Sakri	0.45	10.40			
Nandurbar	0.61	11.95			
Khandke	0.27	15.90			
Khaparale	0.35	12.79			
Total	12.98	440.86			
CPP					
JSW JAIGAD	26.19	422.10	1209	863	1098
WARDHA	2.14	60.81	96	78	97
Adani	28.80	202.72	1440	1150	1234
Other CPPs	17.09	211.16			625
Total	74.21	896.79			3054
SOLAR					
Total	1.11	12.02			
Total	1.11	12.02			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.72	133.36	501	423	500
Trombay 6	0.00	36.25	0	0	0
Trombay 7A	2.47	39.58	115	79	120
Trombay 7B	1.52	24.24	67	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.65	72.24	378	0	447
Total	19.35	305.67			1127
REL					
1&2	12.49	197.15	525	491	500
Total	12.49	197.15			500
Cent Sect					
Share					6806
Total					6806
MS PG CL	Thermal	100.94	1405.09		4382
	Thml+Gas	107.15	1558.91		4682
	Hydro	8.81	310.01		1441
	Total	115.97	1868.92		6123
State Total		236.53	3731.44		17610

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/Sep/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	3799	83	440	4322	394	2984	0	5152	5415	-769	-772	12370	74	12444	2046	14490	49.81
2	3761	78	440	4279	375	3113	0	5112	4998	-703	-771	11996	50	12046	1900	13946	50.01
3	3853	78	444	4375	351	2847	0	5049	5232	-680	-743	12062	50	12112	1803	13915	49.96
4	3923	78	440	4441	407	2870	0	5098	4681	-683	-567	11832	50	11882	1717	13599	49.95
5	3972	93	439	4504	478	2866	0	5151	5075	-660	-628	12295	51	12346	1718	14064	49.85
6	4002	118	228	4348	494	2924	0	5211	5609	-701	-713	12709	66	12775	1830	14605	49.87
7	4125	774	0	4899	430	2967	2	5581	5991	-767	-789	13554	118	13672	1969	15641	49.91
8	4286	949	0	5235	352	3120	29	5806	5718	-988	-975	13506	255	13761	2131	15892	49.97
9	4371	540	13	4924	348	3198	83	6265	6177	-1385	-1261	13496	220	13716	2451	16167	49.95
10	4316	597	49	4962	261	3183	108	6854	6914	-1622	-1415	14040	90	14130	2743	16873	49.89
11	4288	725	132	5145	232	3100	167	7155	6884	-1454	-1493	14045	64	14109	3007	17116	49.92
12	4283	737	150	5170	245	3149	128	6646	7220	-1540	-1434	14478	66	14544	3016	17560	49.89
13	4402	784	234	5420	242	3167	132	6359	6494	-1466	-1435	14020	119	14139	3010	17149	49.90
14	4463	676	196	5335	301	3133	136	5911	6502	-1350	-1343	14064	68	14132	2908	17040	49.96
15	4514	708	202	5424	467	3132	136	6109	6188	-1357	-1425	13942	60	14002	2920	16922	49.86
16	4459	380	203	5042	660	3211	95	6261	6257	-1350	-1473	13819	56	13875	2941	16816	49.97
17	4377	107	254	4738	858	3202	66	5981	5879	-1427	-1503	13251	57	13308	2920	16228	49.99
18	4359	102	280	4741	970	3194	22	5518	4921	-1396	-1485	12390	58	12448	2870	15318	49.95
19	4218	145	281	4644	1140	3200	2	5734	5219	-1240	-1376	12856	58	12914	2798	15712	49.89
20	4229	518	285	5032	1069	3167	0	5880	5917	-1146	-1324	13888	70	13958	2847	16805	49.95
21	4215	353	300	4868	979	3194	0	5817	5588	-1048	-1305	13349	67	13416	2694	16110	50.01
22	4289	67	323	4679	802	3139	0	5350	5337	-1071	-1171	12796	65	12861	2512	15373	50.01
23	4211	62	435	4708	592	3068	0	5307	5334	-1063	-1096	12629	50	12679	2390	15069	49.89
24	4229	62	440	4731	534	3086	0	5181	4952	-990	-1074	12232	50	12282	2268	14550	50.03
MUs	100.94	8.81	6.21	115.97	12.98	74.21	1.11	138.49	138.50	-26.86	-27.57	315.62	1.93	317.55	59.41	376.96	49.93

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 16/Sep/2014

Position as on 6.30 Hrs of 17/Sep/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Bhusawal Unit 4	500	06/08/2014	13.56		Continued.	converted to AOH from 7/08/14	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	economic shutdown	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Water Shortage	
CPP IPL U-2	270	23/08/2014	23.15		Continued.	Coal Shortage.	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Uran Unit 8	108	04/09/2014	19.33		Continued.	Gas Shortage	
Tata Trombay 6	500	11/09/2014	07.58		Continued.	Economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	economic shutdown	
CPP WPCL U-4	135	14/09/2014	00.03		Continued.	Seal Air fan problem	
Bhusawal Unit 3	210	14/09/2014	07.15		Continued.	BTL	
Koradi Unit 7	210	15/09/2014	11.22		Continued.	Coal mill broblem.	
CPP Adani U-2	660	15/09/2014	11.28		Continued.	GT Blast(fire on Y-Ph).	
CPP Adani U1	660	16/09/2014	02.01		Continued.	Turbine Vibration.	
Uran Unit 5	108	16/09/2014	05.37	16/09/2014	20.24	Gas Skid Trip.	
Uran Unit 6	108	16/09/2014	05.37	16/09/2014	10.15	Gas Skid Trip.	
Uran Unit 7	108	16/09/2014	05.37	16/09/2014	07.17	Gas Skid Trip.	
Uran Unit A0	120	16/09/2014	05.37	16/09/2014	16.13	Gas Skid Trip.	
Uran Unit B0	120	16/09/2014	05.37	16/09/2014	12.00	Gas Skid Trip.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Sep/2014

Position as on 6.30 Hrs of 17/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane - II	19/08/2014	13.54		Continued.	Over Voltage.
Kolhapur - Mapusa - I	15/09/2014	16.37	16/09/2014	08.54	Over Voltage.
Kolhapur-Solapur (PG) II	15/09/2014	22.10	16/09/2014	06.41	Over Voltage.
Kolhapur - Mapusa - I	16/09/2014	16.50		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi - II - Indiabull	16/09/2014	11.38	16/09/2014	19.33	Replacement of Broken Disc
400/220 KV 315 MVA ICT - II @ Parli	16/09/2014	11.59		Continued.	Retrofitting of NDR by Numerical
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100 KV,200MVA ICT-I at Miraj	12/09/2014	11.10		Continued.	Erection Testing And Commissioning of CR Panel
Hinjewadi - I - Infosys	13/09/2014	08.57		Continued.	Replacement of Damage Bracing
Pirangut - Hinjewadi - II	13/09/2014	09.15		Continued.	Replacement of Damage Bracing
Bus Section - II @ Tuljapur	16/09/2014	09.06	16/09/2014	11.03	Diagnostic Testing of Bays
Nagothane-IPCL	16/09/2014	09.14	16/09/2014	15.38	To attend Gas Leakage
Wadkhal - NDIL - I	16/09/2014	09.27	16/09/2014	12.20	Hot Spot
220/132KV 200MVA ICT at Bhandara	16/09/2014	10.33	16/09/2014	17.45	Hot spot
Karad-Oglewadi-I	16/09/2014	11.21	16/09/2014	16.35	A.M.Work
Wadkhal-IPCL I	16/09/2014	11.53	16/09/2014	13.25	R.M.Work
Main Bus-II at Vita	16/09/2014	12.03	16/09/2014	15.15	Repl.of Faulty Insulator String
Karad Mudsingi-II	16/09/2014	13.24	16/09/2014	16.18	Isolator testing work
Trombay-Kharghar	17/09/2014	06.03		Continued.	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	15/09/2014	16.41		Continued.	Over Voltage.
Bhusawal- Aurangabad	15/09/2014	17.10	16/09/2014	08.54	Over Voltage.
Karad-Jaigad I	15/09/2014	20.00	16/09/2014	08.24	Over Voltage.
400/220 KV 300 MVA ICT-I @ Koradi	16/09/2014	08.35	16/09/2014	14.13	NDR Alarm
Bhusawal- Aurangabad	16/09/2014	17.37		Continued.	Over Voltage
Karad-Jaigad I	16/09/2014	21.50		Continued.	Over Voltage
Lonikand- Koyna Stage IV	16/09/2014	22.37	17/09/2014	06.33	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Vita - Lamboti	16/09/2014	11.33	16/09/2014	15.50	Bus Section outage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane	10/09/2014	11.26		Continued.	Distance Prot.
Deepnagar-Tapitatanda	16/09/2014	21.45		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Aurangabad-Jalna-II	02/07/2014	14.33		Continued.	Heavy Rain @ Aurangabad S/S load Trimming Schem Operated,Ckt Charged from Chikhli End @ 15.15 Hrs DT 2.7.14.
220/100 KV,200MVA ICT - I at Padgha	18/07/2014	02.37		Continued.	Diff.Prot

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Sep/2014

Position as on 6.30 Hrs of 17/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Pedambe - Adlab	15/09/2014	17.59	16/09/2014	13.30	RPhase Insulator Flashover
Ghatghar-Jindal	16/09/2014	11.24	16/09/2014	23.34	Declared Faulty

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	0
	620	160
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	0
Unit 5	500	450
	1420	450
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	250
Unit 7	250	250
	1130	660
Chandrapur		
Unit 1	210	0
Unit 2	210	120
Unit 3	210	140
Unit 4	210	150
Unit 5	500	350
Unit 6	500	300
Unit 7	500	300
	2340	1360
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	1030
Nasik		
Unit 3	210	162
Unit 4	210	162
Unit 5	210	172
	630	496
Uran		
All Units	852	465
	852	465
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	66
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	10
ELDARY	23	
SMLHY PTN	12	16
GHATGHAR	250	
	611	177
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	1200	1098
WARDHA	405	87
Adani	2640	1234
Other CPPs	300	625
	4545	3044
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5929
	3455	5929