



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Sep/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	98.056	1029.241	1) Gujrat	5.524	-30.790
2) Hydro	19.685	221.943	2) Madhya Pradesh	14.762	166.757
3) Gas	10.911	114.846	3) Chattisgarh	6.260	78.680
Total MSGENCO	128.652	1366.030	4) Maharashtra Net	83.994	951.607
B) 1) JSW JAIGAD	25.678	315.673	(Incl. 765kV Solapur-Raichur)	-5.512	-45.376
2) WPCL	4.542	49.687	5) Goa	-6.354	-71.712
3) ADANI	14.190	138.843	6) TAPS 1&2 Injection	7.371	89.317
4) Other CPP / IPP	12.409	151.667	7) RGPPL Injection	0.000	0.000
5) Wind Generation	18.069	392.952	8) Pench (Excess)	-0.596	-8.214
6) PENCH (MS)	0.596	8.214	# Total Cent. Sector	110.961	1175.645
7) SOLAR	0.774	8.179	F) Other Exchanges		
C) 1) TPCL Thermal	15.303	171.026	1) With TPCL (Excess)	-27.817	-295.873
2) TPCL Hydro	3.191	59.649	G) Bilateral Power *		
TOTAL TPCL	18.494	230.675	1) MSEDCL Bilateral	17.382	248.484
3) REL Thermal	12.139	147.033	Include PX	-0.433	-21.453
D) STATE			2) MUMBAI Bilateral	22.139	240.749
1) Thermal (A1+C1+C3)	125.498	1347.300	Include PX	3.209	62.462
2) Hydro (A2+B6+C2)	23.472	289.806	3) MUMBAI Schedule	22.139	244.707
3) Gas (A3)	10.911	114.846	H) ENERGY CATERED (MUs)		
4) Wind (B5)	18.069	392.952	1) MSEDCL	288.054	3311.017
5) CPP/IPP (B1+B2+B3+B4)	56.819	655.870	2) TPCL	37.362	431.161
6) SOLAR (B7)	0.774	8.179	3) REL	21.090	242.417
TOTAL STATE	235.543	2808.953	TOTAL STATE	346.506	3984.595

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4192	4327	3742
MSGENCO Hydro	1360	1411	728
MSGENCO Gas	454	460	456
MSGENCO Total Generation	6006	6198	4926
Central Sector Receipt	4864	4933	4038
WIND	787	990	604
CPP / IPP	2548	2500	2188
SOLAR	115	0	0
Exchange with Mumbai	-1426	-1328	-670
MSEDCL DEMAND MET	12914	13347	11086
Load Shedding	51	57	50
MSEDCL DEMAND	12965	13404	11136
TPCL GENERATION	800	923	552
R-INFRA GENERATION	519	523	448
TPCL+R-INFRA DEMAND	2745	2774	1670
STATE DEMAND MET	15659	16121	12756
STATE DEMAND	15710	16178	12806
Frequency (Hz)	49.94	50.00	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 20.07 Hrs	49.68 Hz at 17.38 Hrs	49.96	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 12/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	1.21	31.11	160	0	0
Unit 7	3.54	36.43	165	130	140
Total	4.74	67.54			140
Bhusawal					
Unit 2	0.41	7.30	130	0	0
Unit 3	2.96	16.42	135	110	130
Unit 4	0.00	0.00	0	0	0
Unit 5	8.98	105.70	410	325	450
Total	12.35	129.43			580
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.70	38.76	169	137	150
Unit 6	5.28	53.16	250	198	250
Unit 7	5.24	47.69	250	193	250
Total	14.22	139.60			650
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.96	31.74	132	107	120
Unit 3	2.99	19.08	140	105	140
Unit 4	2.94	34.93	140	90	140
Unit 5	0.00	45.93	0	0	0
Unit 6	8.00	63.20	395	280	400
Unit 7	7.89	68.74	381	281	300
Total	24.78	263.62			1100
Paras					
Unit 3	4.00	11.72	188	139	230
Unit 4	4.55	53.82	211	166	230
Total	8.56	65.55			460
Khaparkheda					
Unit 1	3.70	23.08	195	120	170
Unit 2	3.30	40.08	160	120	170
Unit 3	3.98	43.47	179	150	170
Unit 4	3.69	42.25	160	144	170
Unit 5	7.19	84.84	340	250	350
Total	21.86	233.74			1030
Nasik					
Unit 3	3.78	45.30	185	135	180
Unit 4	3.81	36.76	174	145	180
Unit 5	3.95	47.70	183	124	190
Total	11.54	129.75			550
Uran					
All Units	10.91	114.85	462	445	463
Total	10.91	114.85			463
PENCH (MS)					
Pench (MS)	0.60	8.21	54	0	0
Total	0.60	8.21			0
Koyna					
Stage 1-2	5.04	50.46	500	40	600
Stage 4	6.36	75.78	665	0	250
Stage 3	2.86	35.76	320	0	320
Kovna 12&4 Total	11.40	126.24			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	14.26	162.00			1170
Hydro					
KDPH	0.83	6.25	35	34	36
VTRNA	0.88	9.33	61	0	61
TILLARI	0.82	7.78	64	0	63
BHTGR/VEER	0.20	1.94	9	8	10
BHIRA T.R.	0.40	4.99	80	0	80
RNGR+BHTSA	0.06	0.56	3	2	0
BHANDARDRA	0.34	4.29	15	14	14
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.27	15.15	60	49	10
GHATGHAR	0.62	9.64	125	0	0
Total	5.43	59.94			274
Wind					
MalharPeth	0.51	12.19			
Vankuswadi	0.81	20.27			
ATIT	0.14	2.61			
Kale	0.34	8.22			
Satara	9.20	189.86			
Shirala	0.38	11.24			
K Mahankal	0.04	1.36			
Supa	0.16	7.64			
Vita	1.68	38.95			
Dondaicha	2.57	55.61			
Sakri	0.54	8.72			
Nandurbar	0.48	9.94			
Khandke	0.60	15.07			
Khaparale	0.63	11.26			
Total	18.07	392.95			
CPP					
JSW JAIGAD	25.68	315.67	1209	831	1098
WARDHA	4.54	49.69	205	182	200
Adani	14.19	138.84	990	410	664
Other CPPs	12.41	151.67			468
Total	56.82	655.87			2430
SOLAR					
Total	0.77	8.18			
Total	0.77	8.18			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.51	86.74	502	416	500
Trombay 6	0.00	36.25	0	0	0
Trombay 7A	2.32	29.82	115	79	120
Trombay 7B	1.47	18.22	67	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.19	59.65	400	0	447
Total	18.49	230.68			1127
REL					
1&2	12.14	147.03	525	447	500
Total	12.14	147.03			500
Cent Sect					
Share					5115
Total					5115
MS PG CL	Thermal	98.06	1029.24		4510
	Thml+Gas	108.97	1144.09		4973
	Hydro	19.68	221.94		1444
	Total	128.65	1366.03		6417
State Total		235.54	2808.95		15589

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	3874	341	454	4669	672	2473	0	4339	4382	-553	-899	11351	78	11429	1979	13408	49.94
2	3776	363	456	4595	613	2416	0	4262	4276	-463	-802	11118	50	11168	1813	12981	49.95
3	3780	825	454	5059	581	2127	0	4121	4114	-440	-726	11155	50	11205	1725	12930	49.99
4	3742	728	456	4926	604	2188	0	4102	4038	-438	-670	11086	50	11136	1670	12806	49.98
5	3778	753	454	4985	610	2173	0	4034	4233	-438	-678	11323	50	11373	1679	13052	50.00
6	3917	897	458	5272	618	2248	0	4157	4849	-463	-708	12279	53	12332	1792	14124	49.90
7	3992	1260	461	5713	609	2380	2	4325	4687	-620	-804	12587	55	12642	1937	14579	49.96
8	4116	1616	462	6194	494	2523	27	4507	4438	-825	-966	12744	56	12800	2105	14905	49.99
9	4160	1542	455	6157	611	2587	60	4740	4724	-1103	-1267	12925	54	12979	2456	15435	49.95
10	4192	1360	454	6006	787	2548	115	4918	4864	-1252	-1426	12914	51	12965	2745	15710	49.94
11	4203	959	450	5612	808	2478	116	5155	4842	-1304	-1478	12398	51	12449	2999	15448	49.96
12	4155	850	450	5455	742	2385	97	5090	5007	-1287	-1439	12247	53	12300	3042	15342	49.91
13	4063	769	451	5283	637	2371	94	4995	5069	-1253	-1431	12023	106	12129	3019	15148	49.95
14	4124	720	449	5293	657	2359	88	4851	4796	-1150	-1452	11741	56	11797	2876	14673	49.99
15	4146	412	449	5007	821	2397	69	4945	4952	-1230	-1492	11769	55	11824	2889	14713	49.93
16	4179	485	449	5113	1006	2231	53	4996	4863	-1221	-1477	11836	53	11889	2864	14753	49.96
17	4129	587	445	5161	1057	2104	44	4820	4665	-1209	-1486	11565	53	11618	2873	14491	49.92
18	4157	244	450	4851	1027	2060	9	4657	4448	-1251	-1452	10993	55	11048	2805	13853	49.85
19	4144	605	451	5200	1079	2110	0	4552	4661	-1035	-1308	11796	56	11852	2735	14587	49.95
20	4327	1411	460	6198	990	2500	0	4675	4933	-1019	-1328	13347	57	13404	2774	16178	50.00
21	4376	885	460	5721	940	2542	0	4639	4785	-995	-1284	12757	56	12813	2687	15500	50.00
22	4297	719	460	5476	808	2585	0	4465	4567	-943	-1178	12298	54	12352	2486	14838	49.96
23	4212	730	461	5403	625	2560	0	4239	4419	-886	-1089	11958	54	12012	2318	14330	49.96
24	4218	624	462	5304	673	2474	0	4300	4350	-762	-977	11846	54	11900	2182	14082	49.99
MUs	98.06	19.68	10.91	128.65	18.07	56.82	0.77	109.88	110.96	-22.14	-27.82	288.06	1.36	289.42	58.45	347.87	49.96

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 12/Sep/2014

Position as on 6.30 Hrs of 13/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	15/09/2014
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.	Coal Shortage	
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.	BLR T/L.	
Uran Unit 8	108	04/09/2014	19.33		Continued.	Gas Shortage	
Bhusawal Unit 2	210	07/09/2014	13.08	12/09/2014	19.06	Flame Failure.	
CPP VIPL U-2	300	07/09/2014	13.48		Continued.	Coal bunkering problem.	
CPP Adani U1	660	08/09/2014	03.35		Continued.	BLR T/L.	
Chandrapur Unit 5	500	09/09/2014	05.15		Continued.	Critical coal stock & maint.Work.	
Koradi Unit 6	210	10/09/2014	17.53	12/09/2014	14.22	ID Fan Prob.	
CPP Adani U-3	660	11/09/2014	05.26		Continued.	Super Heater Stay Line Leakage.	
Tata Trombay 6	500	11/09/2014	07.58		Continued.	Economic shutdown	
CPP Adani U-2	660	12/09/2014	02.00		Continued.	HP Turbine Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Sep/2014

Position as on 6.30 Hrs of 13/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Talangade-Chikodi	12/09/2014	12.05	12/09/2014	14.55	meter installment work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane - II	19/08/2014	13.54		Continued.	Over Voltage.
New Koyna-Dabhol Ckt.I	25/08/2014	01.25		Continued.	Over Voltage.
Akola - Thaptitanda	06/09/2014	22.28		Continued.	over voltage
Kolhapur-Mapusa-II	10/09/2014	18.11	12/09/2014	09.25	Over Voltage.
Dhule-Sar'Sarovar - I	11/09/2014	21.35	12/09/2014	16.11	Over Voltage
Kolhapur-Solapur(PGCIL)-I	12/09/2014	00.05	12/09/2014	07.35	Over Voltage
Kolhapur-Solapur (PG) II	12/09/2014	18.22		Continued.	Over voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE - II	12/09/2014	08.58		Continued.	A.M.Work
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT - I @ Lamboti	10/09/2014	08.15		Continued.	Commissioning Work of Repaired B Phase.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa-Colourchem	12/09/2014	06.01		Continued.	Hot Spot
Pedambe-Mahad	12/09/2014	08.10	12/09/2014	18.00	P.M.Work
Padghe - Nashik - II	12/09/2014	08.55	12/09/2014	14.24	Replacement of Wave Trap.
220/100 KV,200MVA ICT-I at Miraj	12/09/2014	11.10		Continued.	Erection Testing And Commissioning of CR Panel
Pedambe - Oni	12/09/2014	11.55	12/09/2014	16.55	Red Hot Spot Attending work
Mudshingi - Chikodi	12/09/2014	15.21	12/09/2014	16.56	meter installment work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	04/09/2014	12.11		Continued.	Over Voltage
Karad - Kolhapur - II	10/09/2014	17.02	12/09/2014	09.26	Over Voltage.
Karad-Jaigad I	10/09/2014	18.07		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	11/09/2014	23.38	12/09/2014	07.15	Over Voltage
Kolhapur-Karad -I	12/09/2014	16.07		Continued.	over voltage
Lonikand- Koyna Stage IV	12/09/2014	22.00		Continued.	over voltage
Padgha - Nagothane - I	13/09/2014	00.01		Continued.	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Warora-Chandrapur- II, Ckt II	07/09/2014	16.57	12/09/2014	12.43	Over Voltage.
Deepnagar-Tapitatanda	08/09/2014	01.57		Continued.	Over Voltage.
Dabhol-Nagothane	10/09/2014	11.26		Continued.	Distance Prot.
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
Mudshingi - Karad - II	13/09/2014	5.37	13/09/2014	06.15	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	150
	620	300
Bhusawal		
Unit 2	210	120
Unit 3	210	130
Unit 4	500	0
Unit 5	500	320
	1420	570
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	245
Unit 7	250	235
	1130	630
Chandrapur		
Unit 1	210	0
Unit 2	210	135
Unit 3	210	130
Unit 4	210	150
Unit 5	500	0
Unit 6	500	300
Unit 7	500	350
	2340	1065
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
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	180
Unit 4	210	180
Unit 5	210	190
	630	550
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	36
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	14
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	274
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	200
Adani	2640	664
Other CPPs	300	468
	4545	2430
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	5169
	3455	5169

	21940	15780
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