



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Sep/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	89.890	1218.946	1) Gujrat	9.216	-15.213
2) Hydro	21.630	276.767	2) Madhya Pradesh	16.558	196.727
3) Gas	10.933	136.734	3) Chattisgarh	6.330	90.840
Total MSGENCO	122.453	1632.447	4) Maharashtra Net	94.333	1129.857
B) 1) JSW JAIGAD	26.960	369.170	(Incl. 765kV Solapur-Raichur)	-7.649	-62.482
2) WPCL	2.303	56.351	5) Goa	-6.018	-83.998
3) ADANI	7.730	154.563	6) TAPS 1&2 Injection	7.337	104.012
4) Other CPP / IPP	14.174	179.426	7) RGPPL Injection	0.000	0.000
5) Wind Generation	11.421	419.790	8) Pench (Excess)	-0.279	-8.928
6) PENCH (MS)	0.279	8.928	# Total Cent. Sector	127.477	1413.297
7) SOLAR	1.030	9.940	F) Other Exchanges		
C) 1) TPCL Thermal	15.903	201.985	1) With TPCL (Excess)	-19.077	-340.388
2) TPCL Hydro	1.557	63.875	G) Bilateral Power *		
TOTAL TPCL	17.460	265.860	1) MSEDCL Bilateral	21.972	283.539
3) REL Thermal	12.541	172.125	Include PX	-0.958	-27.103
D) STATE			2) MUMBAI Bilateral	19.540	283.206
1) Thermal (A1+C1+C3)	118.334	1593.056	Include PX	0.366	64.860
2) Hydro (A2+B6+C2)	23.466	349.570	3) MUMBAI Schedule	19.540	287.164
3) Gas (A3)	10.933	136.734	H) ENERGY CATERED (MUs)		
4) Wind (B5)	11.421	419.790	1) MSEDCL	294.750	3903.524
5) CPP/IPP (B1+B2+B3+B4)	51.167	759.510	2) TPCL	30.705	497.152
6) SOLAR (B7)	1.030	9.940	3) REL	18.372	281.217
TOTAL STATE	216.351	3268.600	TOTAL STATE	343.827	4681.893

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3656	3639	3870
MSGENCO Hydro	1655	1255	634
MSGENCO Gas	454	452	461
MSGENCO Total Generation	5765	5346	4965
Central Sector Receipt	5752	5120	4557
WIND	346	603	508
CPP / IPP	2252	2418	1668
SOLAR	143	0	0
Exchange with Mumbai	-925	-802	-578
MSEDCL DEMAND MET	13333	12708	11120
Load Shedding	389	412	49
MSEDCL DEMAND	13722	13120	11169
TPCL GENERATION	778	945	605
R-INFRA GENERATION	523	522	525
TPCL+R-INFRA DEMAND	2226	2269	1708
STATE DEMAND MET	15559	14977	12828
STATE DEMAND	15948	15389	12877
Frequency (Hz)	49.97	49.99	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 13:02 Hrs	49.7 Hz at 00:07 Hrs	49.99	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 14/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	2.93	37.18	135	106	160
Unit 7	2.94	42.94	151	105	170
Total	5.87	80.12			330
Bhusawal					
Unit 2	0.00	8.92	0	0	0
Unit 3	0.83	20.14	120	0	125
Unit 4	0.00	0.00	0	0	0
Unit 5	7.56	121.66	355	285	320
Total	8.39	150.73			445
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.86	46.46	166	149	170
Unit 6	5.80	64.77	250	206	250
Unit 7	5.14	58.43	240	187	230
Total	14.80	169.66			650
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.72	37.28	128	89	120
Unit 3	2.41	24.43	135	79	130
Unit 4	2.39	40.81	120	70	120
Unit 5	0.82	46.76	120	0	0
Unit 6	0.00	65.41	0	0	0
Unit 7	8.72	86.38	400	325	400
Total	17.06	301.06			770
Paras					
Unit 3	4.27	19.96	207	147	230
Unit 4	4.35	62.71	203	153	230
Total	8.61	82.68			460
Khaparkheda					
Unit 1	4.02	31.42	195	140	170
Unit 2	3.72	47.30	170	135	170
Unit 3	4.24	52.30	200	140	170
Unit 4	3.88	49.94	172	142	170
Unit 5	7.50	100.27	350	270	350
Total	23.34	281.22			1030
Nasik					
Unit 3	3.96	53.04	185	150	162
Unit 4	3.74	44.60	170	125	162
Unit 5	4.12	55.84	186	135	172
Total	11.81	153.47			496
Uran					
All Units	10.93	136.73	464	447	465
Total	10.93	136.73			465
PENCH (MS)					
Pench (MS)	0.28	8.93	47	0	0
Total	0.28	8.93			0
Koyna					
Stage 1-2	5.67	64.10	495	40	600
Stage 4	8.93	99.30	840	0	250
Stage 3	3.45	44.21	320	0	320
Kovna 12&4 Total	14.60	163.40			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	18.05	207.61			1170
Hydro					
KDPH	0.32	7.40	35	0	36
VTRNA	0.76	10.88	61	0	61
TILLARI	0.47	8.74	63	0	63
BHTGR/VEER	0.21	2.17	9	8	5
BHIRA T.R.	0.33	5.66	41	0	80
RNGR+BHTSA	0.00	0.61	0	0	2
BHANDARDRA	0.32	4.96	15	5	13
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.05	17.40	52	40	15
GHATGHAR	0.13	11.33	84	0	0
Total	3.58	69.16			275
Wind					
MalharPeth	0.36	12.84			
Vankuswadi	0.60	21.40			
ATIT	0.06	2.74			
Kale	0.20	8.64			
Satara	4.59	201.58			
Shirala	0.26	11.78			
K Mahankal	0.02	1.43			
Supa	0.08	7.82			
Vita	0.89	41.77			
Dondaicha	2.95	61.62			
Sakri	0.42	9.66			
Nandurbar	0.50	10.89			
Khandke	0.07	15.54			
Khaparale	0.41	12.11			
Total	11.42	419.79			
CPP					
JSW JAIGAD	26.96	369.17	1209	961	1098
WARDHA	2.30	56.35	100	93	97
Adani	7.73	154.56	610	0	432
Other CPPs	14.17	179.43			515
Total	51.17	759.51			2142
SOLAR					
Total	1.03	9.94			
Total	1.03	9.94			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.92	109.73	501	469	500
Trombay 6	0.00	36.25	0	0	0
Trombay 7A	2.47	34.76	115	79	120
Trombay 7B	1.52	21.25	68	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	1.56	63.88	282	0	447
Total	17.46	265.86			1127
REL					
1&2	12.54	172.12	525	520	500
Total	12.54	172.12			500
Cent Sect					
Share					4892
Total					4892
MS PG CL	Thermal	89.89	1218.95		4181
	Thml+Gas	100.82	1355.68		4646
	Hydro	21.63	276.77		1445
	Total	122.45	1632.45		6091
State Total		216.35	3268.60		14752

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	3817	956	459	5232	501	1719	0	4893	5042	-809	-808	11726	76	11802	2032	13834	49.99
2	3889	577	459	4925	553	1701	0	4664	4825	-741	-682	11349	49	11398	1859	13257	49.90
3	3896	649	459	5004	569	1644	0	4325	4561	-672	-607	11171	49	11220	1762	12982	49.95
4	3870	634	461	4965	508	1668	0	4404	4557	-653	-578	11120	49	11169	1708	12877	49.96
5	3800	689	458	4947	469	1678	0	4501	4936	-656	-540	11490	69	11559	1695	13254	49.91
6	3836	905	461	5202	419	1723	0	4705	4890	-685	-594	11640	120	11760	1751	13511	49.98
7	3726	1332	464	5522	330	1705	2	4634	5278	-673	-614	12223	264	12487	1771	14258	50.01
8	3694	1666	461	5821	209	1777	32	4841	4941	-679	-669	12111	745	12856	1824	14680	50.02
9	3678	1527	461	5666	263	1938	77	5046	5334	-764	-743	12535	646	13181	1940	15121	50.04
10	3678	1579	455	5712	303	2134	102	5170	5628	-865	-804	13075	383	13458	2079	15537	49.95
11	3656	1655	454	5765	346	2252	143	5646	5752	-960	-925	13333	389	13722	2226	15948	49.97
12	3726	1667	452	5845	402	2282	137	5467	5280	-957	-922	13024	416	13440	2260	15700	49.90
13	3746	1419	454	5619	373	2320	141	5408	5612	-967	-947	13118	315	13433	2248	15681	49.94
14	3721	1122	454	5297	422	2364	127	5371	5489	-959	-932	12767	238	13005	2185	15190	50.02
15	3774	788	451	5013	515	2400	101	5496	5673	-931	-912	12790	176	12966	2135	15101	50.07
16	3789	440	448	4677	703	2491	89	5534	5857	-916	-897	12920	120	13040	2121	15161	50.02
17	3804	263	447	4514	747	2501	57	5217	5500	-899	-887	12432	104	12536	2092	14628	50.03
18	3799	167	449	4415	745	2455	21	5064	5038	-895	-845	11829	116	11945	2048	13993	50.05
19	3764	504	451	4719	695	2287	1	5046	5476	-823	-854	12344	107	12451	2123	14574	49.97
20	3639	1255	452	5346	603	2418	0	5076	5120	-808	-802	12708	412	13120	2269	15389	49.99
21	3716	814	454	4984	520	2450	0	5275	5677	-807	-859	12805	234	13039	2342	15381	49.97
22	3619	528	454	4601	412	2434	0	5369	5528	-783	-847	12171	121	12292	2239	14531	50.03
23	3629	376	456	4461	421	2385	0	5465	5764	-767	-916	12161	69	12230	2243	14473	49.99
24	3624	118	459	4201	393	2441	0	5665	5719	-872	-893	11908	69	11977	2126	14103	50.05
MUs	89.89	21.63	10.93	122.45	11.42	51.17	1.03	122.28	127.48	-19.54	-19.08	294.75	5.34	300.09	49.08	349.16	49.99

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 14/Sep/2014

Position as on 6.30 Hrs of 15/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	
CPP VIPL U-2	300	07/09/2014	13.48		Continued.	Coal bunkering problem.	
CPP Adani U1	660	08/09/2014	03.35	14/09/2014	13.27	BLR T/L.	
Chandrapur Unit 5	500	09/09/2014	05.15	14/09/2014	12.51	Critical coal stock & maint.Work.	
CPP Adani U-3	660	11/09/2014	05.26	14/09/2014	06.03	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	15/09/2014	01.51	HP Turbine Leakage	
Chandrapur Unit 6	500	13/09/2014	08.00		Continued.	BTL	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	BTL	
CPP Adani U-4	660	13/09/2014	14.25		Continued.	BTL	
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	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 14/Sep/2014

Position as on 6.30 Hrs of 15/Sep/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Chandrapur Unit 5	500	14/09/2014	21.05		Continued.	PA Fan Prob.	
CPP Adani U1	660	15/09/2014	01.41		Continued.	Turbine bearing Vibration high	
Chandrapur Unit 7	500	15/09/2014	04.28		Continued.	Turbine bearing Vibration high	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Sep/2014

Position as on 6.30 Hrs of 15/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.
Akola - Thaptitanda	06/09/2014	22.28		Continued.	over voltage
Kolhapur - Mapusa - II	13/09/2014	16.58		Continued.	Over voltage
Kolhapur-Solapur(PGCIL)-I	14/09/2014	00.24	14/09/2014	09.47	over voltage
Kolhapur-Solapur(PGCIL)-I	14/09/2014	22.45		Continued.	over voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE - II	12/09/2014	08.58	14/09/2014	19.13	A.M.Work
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT-II at Lamboti	10/09/2014	08.15	15/09/2014	08.17	Commissioning Work of Repaired B Phase.
Lonikand-Karad	13/09/2014	09.21		Continued.	Q.M.Work
Main Bus - I @ Lamboti.	14/09/2014	14.00	14/09/2014	15.25	shifting of spare ict jumper from y ph To B ph
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa-Colourchem	12/09/2014	06.01		Continued.	Hot Spot
220/100 KV,200MVA ICT-I at Miraj	12/09/2014	11.10		Continued.	Erection Testing And Commissioning of CR Panal
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
Sonkhar-Trombay	14/09/2014	06.30	14/09/2014	07.58	Replacement work
Kalwa - Khargar	14/09/2014	08.36		Continued.	mumbai system strengthening work
Trombay - Tifil	14/09/2014	08.48		Continued.	mumbai system strengthening work
Kalwa - Tifil	14/09/2014	15.49	14/09/2014	15.51	I/S Reopratation of 220kv Tifil - Trombay
KHARGHAR - TROMBAY	14/09/2014	16.00	14/09/2014	16.02	I/S Reopratation of 220kv kalwa-khargar.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765/400KV 1500MVA ICT at Tiroda	13/09/2014	14.30	14/09/2014	14.14	Due to Adani genration zero
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	04/09/2014	12.11		Continued.	Over Voltage
Karad-Kolhapur-II	13/09/2014	16.36	14/09/2014	09.44	Over voltage
Padgha - Nagothane- II	14/09/2014	00.25	14/09/2014	09.29	over voltage
Lonikand- Koyna Stage IV	14/09/2014	01.01	14/09/2014	08.59	over voltage
Karad-Kolhapur-II	14/09/2014	16.19		Continued.	over voltage
Karad-Jaigad I	14/09/2014	18.02		Continued.	Over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Sep/2014

Position as on 6.30 Hrs of 15/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/100 KV,200MVA ICT - I at Padgha	18/07/2014	02.37		Continued.	Diff.Prot
220/22 KV T/F-I @ Wada	13/09/2014	06.57		Continued.	Distance work

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	150
	620	295
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	0
Unit 5	500	301
	1420	301
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	170
Unit 6	250	250
Unit 7	250	250
	1130	670
Chandrapur		
Unit 1	210	0
Unit 2	210	130
Unit 3	210	130
Unit 4	210	150
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	410
Paras		
Unit 3	250	210
Unit 4	250	160
	500	370
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	9
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	14
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	271
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	97
Adani	2640	1055
Other CPPs	300	625
	4545	2875
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	6272
	3455	6272