



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Sep/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	78.888	761.857	1) Gujrat	-0.521	-43.291
2) Hydro	17.995	142.215	2) Madhya Pradesh	11.926	125.106
3) Gas	8.934	83.564	3) Chattisgarh	5.720	60.890
Total MSGENCO	105.817	987.636	4) Maharashtra Net	69.665	712.385
B) 1) JSW JAIGAD	25.182	239.633	(Incl. 765kV Solapur-Raichur)	-4.641	-28.836
2) WPCL	4.180	36.663	5) Goa	-6.123	-52.668
3) ADANI	11.720	94.203	6) TAPS 1&2 Injection	7.456	67.123
4) Other CPP / IPP	11.753	116.229	7) RGPPL Injection	0.000	0.000
5) Wind Generation	41.934	326.516	8) Pench (Excess)	-0.736	-6.393
6) PENCH (MS)	0.736	6.393	# Total Cent. Sector	87.387	863.152
7) SOLAR	0.761	5.668	F) Other Exchanges		
C) 1) TPCL Thermal	18.176	123.223	1) With TPCL (Excess)	-23.457	-217.334
2) TPCL Hydro	3.569	48.108	G) Bilateral Power *		
TOTAL TPCL	21.745	171.331	1) MSEDCL Bilateral	17.128	204.568
3) REL Thermal	12.058	110.394	Include PX	-2.662	-7.126
D) STATE			2) MUMBAI Bilateral	21.128	176.742
1) Thermal (A1+C1+C3)	109.122	995.474	Include PX	7.835	49.902
2) Hydro (A2+B6+C2)	22.300	196.716	3) MUMBAI Schedule	21.128	180.560
3) Gas (A3)	8.934	83.564	H) ENERGY CATERED (MUs)		
4) Wind (B5)	41.934	326.516	1) MSEDCL	266.013	2458.759
5) CPP/IPP (B1+B2+B3+B4)	52.835	486.728	2) TPCL	37.094	318.976
6) SOLAR (B7)	0.761	5.668	3) REL	20.168	180.085
TOTAL STATE	235.886	2094.666	TOTAL STATE	323.275	2957.820

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	3280	3167	3475
MSGENCO Hydro	1022	1655	155
MSGENCO Gas	317	450	284
MSGENCO Total Generation	4619	5272	3914
Central Sector Receipt	4224	4839	2046
WIND	1956	1238	1974
CPP / IPP	2154	2413	2044
SOLAR	84	0	0
Exchange with Mumbai	-1229	-998	-626
MSEDCL DEMAND MET	11821	12818	9352
Load Shedding	48	50	48
MSEDCL DEMAND	11869	12868	9400
TPCL GENERATION	1145	1241	611
R-INFRA GENERATION	525	525	459
TPCL+R-INFRA DEMAND	2899	2764	1696
STATE DEMAND MET	14720	15582	11048
STATE DEMAND	14768	15632	11096
Frequency (Hz)	49.90	49.71	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 13.01 Hrs	49.3 Hz at 19.09 Hrs	49.86	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 09/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	3.14	27.58	146	117	140
Unit 7	3.54	26.57	160	130	155
Total	6.67	54.15			295
Bhusawal					
Unit 2	0.00	6.89	0	0	0
Unit 3	0.00	11.84	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	8.31	79.64	430	285	450
Total	8.31	98.37			450
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.59	27.82	158	143	157
Unit 6	5.09	37.46	238	200	200
Unit 7	4.85	32.73	240	178	203
Total	13.53	98.01			560
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.73	24.04	128	90	140
Unit 3	2.48	11.35	132	45	100
Unit 4	2.80	27.02	130	87	165
Unit 5	1.42	45.93	296	0	0
Unit 6	5.00	45.12	250	98	300
Unit 7	5.82	50.17	265	218	300
Total	20.25	203.63			1005
Paras					
Unit 3	0.16	0.16	72	0	0
Unit 4	4.66	40.35	205	185	250
Total	4.82	40.50			250
Khaparkheda					
Unit 1	0.00	14.26	0	0	0
Unit 2	3.48	29.39	165	135	170
Unit 3	3.85	31.86	165	154	170
Unit 4	3.64	31.27	156	148	170
Unit 5	6.78	62.75	320	230	350
Total	17.75	169.53			860
Nasik					
Unit 3	3.61	33.44	180	115	152
Unit 4	0.00	28.65	0	0	0
Unit 5	3.95	35.56	175	155	172
Total	7.56	97.65			324
Uran					
All Units	8.93	83.56	457	282	465
Total	8.93	83.56			465
PENCH (MS)					
Pench (MS)	0.74	6.39	54	0	
Total	0.74	6.39			
Koyna					
Stage 1-2	4.35	30.62	460	40	600
Stage 4	5.72	45.57	760	0	250
Stage 3	2.46	22.72	240	0	320
Kovna 12&4 Total	10.06	76.18			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	12.53	98.90			1170
Hydro					
KDPH	0.86	3.74	36	36	36
VTRNA	0.87	6.40	61	0	61
TILLARI	0.46	5.69	64	0	63
BHTGR/VEER	0.19	1.36	8	8	5
BHIRA T.R.	0.28	3.81	80	0	80
RNGR+BHTSA	0.00	0.42	0	0	2
BHANDARDRA	0.33	3.27	14	13	15
ELDARY	0.00	0.00	0	0	
SMLHY PTN	1.20	11.28	57	47	10
GHATGHAR	1.28	7.33	240	0	
Total	5.47	43.31			272
Wind					
MalharPeth	1.30	10.38			
Vankuswadi	2.06	17.42			
ATIT	0.10	2.17			
Kale	0.87	6.98			
Satara	19.01	157.52			
Shirala	1.16	9.68			
K Mahankal	0.12	1.19			
Supa	0.37	7.10			
Vita	4.06	32.42			
Dondaicha	7.57	45.00			
Sakri	1.02	6.84			
Nandurbar	1.43	8.05			
Khandke	1.46	12.83			
Khaparale	1.38	8.93			
Total	41.93	326.52			
CPP					
JSW JAIGAD	25.18	239.63	1189	978	1100
WARDHA	4.18	36.66	190	165	190
Adani	11.72	94.20	610	410	617
Other CPPs	11.75	116.23			435
Total	52.84	486.73			2342
SOLAR					
Total	0.76	5.67			
Total	0.76	5.67			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.46	55.57	501	320	500
Trombay 6	3.72	31.33	158	151	500
Trombay 7A	2.48	22.59	115	79	120
Trombay 7B	1.52	13.73	68	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.57	48.11	408	0	447
Total	21.74	171.33			1627
REL					
1&2	12.06	110.39	525	456	500
Total	12.06	110.39			500
Cent Sect					
Share					4736
Total					4736
MS PG CL	Thermal	78.89	761.86		3744
	Thml+Gas	87.82	845.42		4209
	Hydro	18.00	142.22		1442
	Total	105.82	987.64		5651
State Total		235.89	2094.67		14856

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/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	3282	229	282	3793	2051	2056	0	2579	2893	-662	-841	9992	74	10066	1971	12037	49.86
2	3396	379	282	4057	1957	2037	0	2411	2525	-539	-779	9811	48	9859	1854	11713	49.98
3	3536	150	282	3968	1925	2046	0	2340	2190	-469	-681	9448	48	9496	1750	11246	49.99
4	3475	155	284	3914	1974	2044	0	2313	2046	-464	-626	9352	48	9400	1696	11096	49.94
5	3454	145	291	3890	1892	2032	0	2265	2332	-464	-625	9521	48	9569	1694	11263	49.87
6	3340	155	294	3789	1837	2128	1	3387	3437	-457	-722	10470	48	10518	1790	12308	49.86
7	3294	223	297	3814	1843	2312	5	3567	4122	-556	-748	11348	48	11396	1935	13331	49.90
8	3383	458	296	4137	1784	2457	42	3842	3951	-624	-737	11662	48	11710	2055	13765	49.93
9	3443	384	293	4120	2070	2505	72	4352	4216	-837	-893	12144	48	12192	2368	14560	49.91
10	3369	515	294	4178	2069	2302	80	4503	4386	-1111	-1069	12000	48	12048	2659	14707	49.83
11	3280	1022	317	4619	1956	2154	84	4281	4224	-1229	-1229	11821	48	11869	2899	14768	49.90
12	3209	1180	352	4741	2012	2066	91	4249	4041	-1348	-1311	11640	48	11688	2908	14596	49.86
13	3218	824	430	4472	1964	2084	110	4128	3805	-1265	-1310	11125	98	11223	2875	14098	49.90
14	3269	708	445	4422	1886	2024	86	3557	3480	-1100	-1246	10679	50	10729	2745	13474	49.93
15	3267	892	445	4604	1916	2097	81	3349	3462	-1107	-1268	10945	50	10995	2786	13781	49.70
16	3182	1133	457	4772	1890	2173	73	3185	3203	-1120	-1207	10957	50	11007	2782	13789	49.73
17	3113	1389	443	4945	1709	2121	25	3391	3426	-1220	-1286	10993	50	11043	2766	13809	49.90
18	3097	1416	450	4963	1568	2043	11	3320	3311	-1113	-1175	10775	50	10825	2764	13589	49.88
19	3157	1606	448	5211	1397	2162	0	3886	3929	-1040	-1103	11650	50	11700	2723	14423	49.71
20	3167	1655	450	5272	1238	2413	0	4291	4839	-1022	-998	12818	50	12868	2764	15632	49.71
21	3192	1368	445	5005	1210	2373	0	4233	4711	-927	-999	12354	50	12404	2623	15027	49.78
22	3187	821	446	4454	1217	2438	0	4005	4424	-870	-833	11754	50	11804	2428	14232	49.84
23	3263	656	456	4375	1249	2390	0	3956	4290	-820	-908	11444	50	11494	2278	13772	49.81
24	3315	532	455	4302	1320	2378	0	3876	4144	-765	-863	11310	50	11360	2147	13507	49.93
MUs	78.89	18.00	8.93	105.82	41.93	52.84	0.76	85.27	87.39	-21.13	-23.46	266.01	1.25	267.26	57.26	324.52	49.86

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 09/Sep/2014

Position as on 6.30 Hrs of 10/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
Paras Unit 3	250	11/08/2014	14.08	09/09/2014	18.29	Annual Overhauling	
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.	
CPP Adani U-3	660	29/08/2014	17.31		Continued.	Billing issues between Adani and MSEDCL.	
CPP Adani U-2	660	29/08/2014	22.12		Continued.	Billing issues between Adani and MSEDCL.	
Uran Unit 8	108	04/09/2014	19.33		Continued.	Gas Shortage	
Khaparkheda Unit 1	210	05/09/2014	10.17		Continued.	coal shortage	
Uran Unit 5	108	06/09/2014	15.53	09/09/2014	09.34	Gas shortage.	
Bhusawal Unit 2	210	07/09/2014	13.08		Continued.	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.	
Nasik Unit 4	210	08/09/2014	14.20		Continued.	PA Fan problem.	
Bhusawal Unit 3	210	08/09/2014	22.10		Continued.	BLR T/L.	
Chandrapur Unit 5	500	09/09/2014	05.15		Continued.	Critical coal stock & maint.Work.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 09/Sep/2014

Position as on 6.30 Hrs of 10/Sep/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Paras Unit 3	250	09/09/2014	18.41	09/09/2014	20.40	Reheater Problem.	
Koyna ST-IV 1	250	09/09/2014	21.40	10/09/2014	01.15	Safety bolt rupture fault.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Sep/2014

Position as on 6.30 Hrs of 10/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.
New Koyna-Dabhol Ckt.I	25/08/2014	01.25		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	03/09/2014	18.15	09/09/2014	08.36	Over Voltage
Kolhapur - Mapusa - I	03/09/2014	20.08		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	05/09/2014	19.04		Continued.	over voltage
Akola - Thaptitanda	06/09/2014	22.28		Continued.	over voltage
Dhule-Sar'Sarovar - I	09/09/2014	13.39		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha (PG) - II	08/09/2014	18.01		Continued.	Over Voltage.
Chakan-Talegaon(PG)	09/09/2014	03.00	09/09/2014	06.28	Over Voltage.
Karad - Solapur (PGCIL)	09/09/2014	03.59	09/09/2014	08.26	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/200 KV 500 MVA ICT - II Main Bay(414) @ Deepnagar	26/08/2014	12.50		Continued.	Bus CT Errection Work.
400/220 KV,500MVA ICT-II at Deepnagar.	09/09/2014	10.01	09/09/2014	18.13	Oil leakage.
Tiroda Ckt II Main Bay (414) at Warora	09/09/2014	12.22	09/09/2014	16.58	Repl of rusted Aux.contact switch from Bkr.M.B. by company Engr.
400/220KV 315 MVA ICT-I @ Talangade	09/09/2014	12.45	09/09/2014	14.25	Sparking on R-Ph isolator at LV Side.
Padgha - Babaleshwar - II	09/09/2014	13.01	09/09/2014	18.49	To replace A Bus PG Isolator,clamp due to melting.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nerul -Sonkhar	09/09/2014	06.08	09/09/2014	08.10	To attend red hot spot.
Main Bus II at Saki	09/09/2014	09.58	09/09/2014	15.39	A/M.Work
Nagothane - ACCIL	09/09/2014	10.52	09/09/2014	18.38	R.M.Work,emergency tree cutting.
Vita - Lamboti	09/09/2014	16.17	09/09/2014	18.29	Reconnection of jumper.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	02/09/2014	18.04	09/09/2014	13.45	Over Voltage.
Bhusawal- Aurangabad	04/09/2014	12.11		Continued.	Over Voltage
Warora-Tiroda-I	07/09/2014	04.24	09/09/2014	12.02	over voltage
Lonikand- Koyna Stage IV	08/09/2014	22.05	09/09/2014	08.47	Over Voltage.
Padgha - Nagothane - I	09/09/2014	00.00	09/09/2014	08.17	Over Voltage.
Newkoyna - Jaigad - I	09/09/2014	14.02	09/09/2014	16.47	To attend opened CVT jumper.
Karad-Jaigad I	09/09/2014	17.39		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	09/09/2014	22.13		Continued.	Over Voltage.
Padgha - Nagothane- II	10/09/2014	00.12		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - II	04/09/2014	03.37		Continued.	Over Voltage
Warora-Chandrapur- II, Ckt II	07/09/2014	16.57		Continued.	Over Voltage.
Deepnagar-Tapitatanda	08/09/2014	01.57		Continued.	Over Voltage.
Lonikand - Chakan	09/09/2014	02.28	09/09/2014	07.36	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Sep/2014

Position as on 6.30 Hrs of 10/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type TRIPPED		
Kolhapur - Sawantwadi - II	21/12/2013	11.25		Continued.	Under Breakdown.
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
220/100KV 200MVA ICT-III at Trombay	09/09/2014	12.07	09/09/2014	14.32	Diff.prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Nandurbar-Visarwadi	08/09/2014	20.40	09/09/2014	01.35	Dist.Prot.
Paras - Warwat Bakal	09/09/2014	18.46	09/09/2014	18.58	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	150
	620	285
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	150
Unit 6	250	250
Unit 7	250	250
	1130	650
Chandrapur		
Unit 1	210	0
Unit 2	210	130
Unit 3	210	130
Unit 4	210	150
Unit 5	500	0
Unit 6	500	250
Unit 7	500	250
	2340	910
Paras		
Unit 3	250	150
Unit 4	250	190
	500	340
Khaparkheda		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	860
Nasik		
Unit 3	210	180
Unit 4	210	0
Unit 5	210	190
	630	370
Uran		
All Units	852	470
	852	470
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	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	15
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	272
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	180
Adani	2640	617
Other CPPs	300	445
	4545	2340
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4570
	3455	4570