



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Sep/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	99.815	1129.056	1) Gujrat	6.361	-24.429
2) Hydro	33.194	255.137	2) Madhya Pradesh	13.412	180.169
3) Gas	10.955	125.801	3) Chattisgarh	5.830	84.510
Total MSGENCO	143.964	1509.994	4) Maharashtra Net	83.917	1035.524
B) 1) JSW JAIGAD	26.537	342.210	(Incl. 765kV Solapur-Raichur)	-9.457	-54.833
2) WPCL	4.361	54.048	5) Goa	-6.268	-77.980
3) ADANI	7.990	146.833	6) TAPS 1&2 Injection	7.358	96.675
4) Other CPP / IPP	13.585	165.252	7) RGPPL Injection	0.000	0.000
5) Wind Generation	15.417	408.369	8) Pench (Excess)	-0.435	-8.649
6) PENCH (MS)	0.435	8.649	# Total Cent. Sector	110.175	1285.820
7) SOLAR	0.731	8.910	F) Other Exchanges		
C) 1) TPCL Thermal	15.056	186.082	1) With TPCL (Excess)	-25.438	-321.311
2) TPCL Hydro	2.669	62.318	G) Bilateral Power *		
TOTAL TPCL	17.725	248.400	1) MSEDCL Bilateral	13.083	261.567
3) REL Thermal	12.551	159.584	Include PX	-4.692	-26.145
D) STATE			2) MUMBAI Bilateral	22.917	263.667
1) Thermal (A1+C1+C3)	127.422	1474.722	Include PX	2.032	64.494
2) Hydro (A2+B6+C2)	36.298	326.104	3) MUMBAI Schedule	22.917	267.624
3) Gas (A3)	10.955	125.801	H) ENERGY CATERED (MUs)		
4) Wind (B5)	15.417	408.369	1) MSEDCL	297.757	3608.774
5) CPP/IPP (B1+B2+B3+B4)	52.473	708.343	2) TPCL	35.286	466.447
6) SOLAR (B7)	0.731	8.910	3) REL	20.428	262.845
TOTAL STATE	243.296	3052.249	TOTAL STATE	353.471	4338.066

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4243	4036	4202
MSGENCO Hydro	1523	2395	768
MSGENCO Gas	458	453	459
MSGENCO Total Generation	6224	6884	5429
Central Sector Receipt	5207	4688	3745
WIND	491	725	679
CPP / IPP	2529	1991	2136
SOLAR	99	0	0
Exchange with Mumbai	-1397	-1029	-776
MSEDCL DEMAND MET	13153	13306	11213
Load Shedding	51	54	50
MSEDCL DEMAND	13204	13360	11263
TPCL GENERATION	844	1114	453
R-INFRA GENERATION	524	520	525
TPCL+R-INFRA DEMAND	2765	2663	1754
STATE DEMAND MET	15918	15969	12967
STATE DEMAND	15969	16023	13017
Frequency (Hz)	49.97	49.96	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 18.01 Hrs	49.69 Hz at 14.34 Hrs	49.95	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 13/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	34.25	150	114	150
Unit 7	3.57	40.00	160	125	150
Total	6.71	74.25			300
Bhusawal					
Unit 2	1.62	8.92	135	0	120
Unit 3	2.88	19.31	135	100	130
Unit 4	0.00	0.00	0	0	0
Unit 5	8.40	114.10	395	310	320
Total	12.91	142.34			570
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.84	42.60	169	137	150
Unit 6	5.82	58.98	250	226	245
Unit 7	5.61	53.29	250	193	235
Total	15.26	154.86			630
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.81	34.56	132	72	135
Unit 3	2.94	22.02	145	107	130
Unit 4	3.49	38.42	159	129	150
Unit 5	0.00	45.93	0	0	0
Unit 6	2.21	65.41	331	0	300
Unit 7	8.92	77.66	422	346	350
Total	20.37	284.00			1065
Paras					
Unit 3	3.97	15.70	190	135	250
Unit 4	4.54	58.37	205	174	250
Total	8.51	74.06			500
Khaparkheda					
Unit 1	4.32	27.40	210	145	170
Unit 2	3.50	43.58	170	125	170
Unit 3	4.59	48.06	207	178	170
Unit 4	3.81	46.06	163	154	170
Unit 5	7.93	92.77	350	305	350
Total	24.14	257.88			1030
Nasik					
Unit 3	3.78	49.08	180	125	180
Unit 4	4.11	40.87	186	154	180
Unit 5	4.02	51.72	177	149	190
Total	11.91	141.66			550
Uran					
All Units	10.96	125.80	462	448	465
Total	10.96	125.80			465
PENCH (MS)					
Pench (MS)	0.44	8.65	54	0	
Total	0.44	8.65			
Koyna					
Stage 1-2	7.97	58.43	490	130	600
Stage 4	14.59	90.37	1120	200	250
Stage 3	5.00	40.76	320	0	320
Kovna 12&4 Total	22.56	148.80			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	27.56	189.56			1170
Hydro					
KDPH	0.84	7.09	35	35	36
VTRNA	0.80	10.13	61	0	61
TILLARI	0.48	8.27	64	0	63
BHTGR/VEER	0.02	1.96	1	0	10
BHIRA T.R.	0.34	5.34	81	0	80
RNGR+BHTSA	0.05	0.61	3	2	0
BHANDARDRA	0.34	4.63	15	14	14
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.20	16.35	58	47	10
GHATGHAR	1.56	11.20	250	0	0
Total	5.64	65.57			274
Wind					
MalharPeth	0.29	12.48			
Vankuswadi	0.52	20.79			
ATIT	0.07	2.68			
Kale	0.22	8.44			
Satara	7.13	196.99			
Shirala	0.27	11.51			
K Mahankal	0.04	1.41			
Supa	0.10	7.74			
Vita	1.93	40.88			
Dondaicha	3.06	58.67			
Sakri	0.52	9.23			
Nandurbar	0.45	10.39			
Khandke	0.39	15.46			
Khaparale	0.43	11.70			
Total	15.42	408.37			
CPP					
JSW JAIGAD	26.54	342.21	1207	853	1098
WARDHA	4.36	54.05	193	175	200
Adani	7.99	146.83	590	0	664
Other CPPs	13.58	165.25			468
Total	52.47	708.34			2430
SOLAR					
Total	0.73	8.91			
Total	0.73	8.91			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.06	97.81	502	315	500
Trombay 6	0.00	36.25	0	0	0
Trombay 7A	2.48	32.29	115	79	120
Trombay 7B	1.52	19.74	67	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	2.67	62.32	435	0	447
Total	17.72	248.40			1127
REL					
1&2	12.55	159.58	525	520	500
Total	12.55	159.58			500
Cent Sect					
Share					5169
Total					5169
MS PG CL	Thermal	99.82	1129.06		4645
	Thml+Gas	110.77	1254.86		5110
	Hydro	33.19	255.14		1444
	Total	143.96	1509.99		6554
State Total	243.30	3052.25			15780

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/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	4216	664	459	5339	675	2263	0	3796	3923	-636	-894	11346	75	11421	2014	13435	49.95
2	4193	634	458	5285	727	2126	0	3846	4017	-515	-880	11294	50	11344	1859	13203	49.96
3	4202	768	459	5429	679	2136	0	3777	3745	-433	-776	11213	50	11263	1754	13017	49.96
4	4269	744	458	5471	647	2120	0	3779	3790	-424	-719	11309	50	11359	1696	13055	50.00
5	4271	544	458	5273	635	2149	0	3885	3975	-424	-712	11320	50	11370	1691	13061	49.97
6	4355	557	462	5374	621	2198	0	4512	4556	-504	-698	12051	54	12105	1776	13881	49.90
7	4430	906	460	5796	569	2296	0	4495	4833	-580	-710	12784	56	12840	1863	14703	49.97
8	4270	1165	460	5895	455	2495	20	4530	4753	-776	-756	12862	56	12918	1909	14827	49.99
9	4191	1378	461	6030	558	2541	47	4735	5063	-1025	-1051	13188	54	13242	2264	15506	49.95
10	4188	1492	460	6140	475	2564	116	4916	4939	-1239	-1221	13013	51	13064	2526	15590	49.94
11	4243	1523	458	6224	491	2529	99	5195	5207	-1343	-1397	13153	51	13204	2765	15969	49.97
12	4222	1660	456	6338	477	2508	104	4758	5042	-1375	-1402	13067	53	13120	2787	15907	49.94
13	4213	1872	453	6538	559	2427	95	4575	4517	-1373	-1362	12774	104	12878	2785	15663	49.91
14	4091	1924	448	6463	554	2378	63	4437	4786	-1291	-1326	12918	54	12972	2705	15677	49.97
15	4106	2205	449	6760	592	2074	70	4571	4506	-1280	-1315	12694	52	12746	2684	15430	49.80
16	4046	1908	450	6404	757	1956	53	4915	4854	-1276	-1350	12701	50	12751	2672	15423	49.85
17	4037	1682	454	6173	976	1982	54	4583	4615	-1243	-1297	12543	50	12593	2609	15202	49.96
18	4062	1179	457	5698	951	1964	10	4379	4537	-1217	-1230	11977	52	12029	2587	14616	49.98
19	4032	1291	451	5774	865	1950	0	4857	5041	-1151	-1186	12498	53	12551	2586	15137	49.96
20	4036	2395	453	6884	725	1991	0	4634	4688	-996	-1029	13306	54	13360	2663	16023	49.96
21	4046	2038	458	6542	828	1948	0	4608	4788	-978	-1094	13052	53	13105	2618	15723	49.97
22	4068	1536	457	6061	583	1978	0	4745	5002	-972	-1082	12570	51	12621	2467	15088	50.00
23	4060	1528	458	6046	574	1945	0	4457	4544	-987	-1026	12136	51	12187	2299	14486	49.93
24	3968	1601	458	6027	444	1955	0	4172	4454	-879	-925	11988	51	12039	2135	14174	49.98
MUs	99.82	33.19	10.96	143.96	15.42	52.47	0.73	107.16	110.18	-22.92	-25.44	297.76	1.32	299.08	55.71	354.80	49.95

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 13/Sep/2014

Position as on 6.30 Hrs of 14/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	
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	
Chandrapur Unit 5	500	14/09/2014	21.05		Continued.	PA Fan Prob.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Sep/2014

Position as on 6.30 Hrs of 14/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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	13/09/2014	09.19	Over Voltage.
Akola - Thaptitanda	06/09/2014	22.28		Continued.	over voltage
Kolhapur - Mapusa - I	12/09/2014	17.15	13/09/2014	09.27	Over voltage
Kolhapur-Solapur (PG) II	12/09/2014	18.22	13/09/2014	07.11	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		
Lonikand-Karad	13/09/2014	09.21		Continued.	Q.M.Work
New Koyna - Dabhol - II	13/09/2014	09.26	13/09/2014	18.54	RFC 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 Panel
Versova-Ghodbandar	13/09/2014	07.25	13/09/2014	08.57	Repalecement work
Borivali(M)-Borivali(Rel) 1	13/09/2014	07.51	13/09/2014	16.30	Emergency outage
Pedambe - Pophali - II	13/09/2014	08.00	13/09/2014	15.15	Maintance work
Hinjewadi - I - Infosys	13/09/2014	08.57		Continued.	Replacement of Damage Bracing
Baramati-Kurkumbh	13/09/2014	09.10	13/09/2014	14.05	Replacement work
Pirangut - Hinjewadi - II	13/09/2014	09.15		Continued.	Replacement of Damage Bracing
Borivali(M)-Borivali(Rel)2	13/09/2014	11.09	13/09/2014	16.34	Gas Leakage on main bus 1 of reliance 0
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 Reoprataion of 220kv Tifil - Trombay
KHARGHAR - TROMBAY	14/09/2014	16.00	14/09/2014	16.02	I/S Reoprataion of 220kv kalwa-kharghar.
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-Jaigad I	10/09/2014	18.07	13/09/2014	10.40	Over Voltage.
Kolhapur-Karad -I	12/09/2014	16.07	13/09/2014	10.14	over voltage
Lonikand- Koyna Stage IV	12/09/2014	22.00	13/09/2014	07.25	over voltage
Padgha - Nagothane - I	13/09/2014	00.01	13/09/2014	13.39	over voltage

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Sep/2014

Position as on 6.30 Hrs of 14/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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.
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
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 14/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	170
	620	330
Bhusawal		
Unit 2	210	0
Unit 3	210	125
Unit 4	500	0
Unit 5	500	320
	1420	445
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	170
Unit 6	250	250
Unit 7	250	230
	1130	650
Chandrapur		
Unit 1	210	0
Unit 2	210	120
Unit 3	210	130
Unit 4	210	120
Unit 5	500	0
Unit 6	500	0
Unit 7	500	400
	2340	770
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	0
	53	0
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	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	13
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	275
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	432
Other CPPs	300	515
	4545	2142
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	4892
	3455	4892