



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Mar/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.895	1059.855	1) Gujrat	-11.097	-35.228
2) Hydro	6.298	81.160	2) Madhya Pradesh	17.642	160.469
3) Gas	6.524	59.818	3) Chattisgarh	9.980	73.600
Total MSGENCO	127.717	1200.833	4) Maharashtra Net	65.133	659.355
B) 1) JSW JAIGAD	16.697	156.801	(Incl. 765kV Solapur-Raichur)	-0.829	-10.261
2) WPCL	4.144	39.447	5) Goa	-5.691	-52.992
3) ADANI	33.974	252.286	6) TAPS 1&2 Injection	7.474	67.476
4) Other CPP / IPP	15.320	149.073	7) RGPPL Injection	0.000	0.000
5) Wind Generation	5.725	52.702	8) Pench (Excess)	-0.234	-1.865
6) PENCH (MS)	0.234	1.865	# Total Cent. Sector	83.207	870.815
7) SOLAR	1.089	8.564	F) Other Exchanges		
C) 1) TPCL Thermal	13.123	129.804	1) With TPCL (Excess)	-20.901	-185.556
2) TPCL Hydro	0.280	22.027	G) Bilateral Power *		
TOTAL TPCL	13.403	151.831	1) MSEDCL Bilateral	12.718	105.637
3) REL Thermal	9.870	101.745	Include PX	-3.377	-35.083
D) STATE			2) MUMBAI Bilateral	13.765	161.230
1) Thermal (A1+C1+C3)	137.888	1291.404	Include PX	2.071	38.814
2) Hydro (A2+B6+C2)	6.812	105.052	3) MUMBAI Schedule	13.765	161.250
3) Gas (A3)	6.524	59.818	H) ENERGY CATERED (MUs)		
4) Wind (B5)	5.725	52.702	1) MSEDCL	267.206	2546.830
5) CPP/IPP (B1+B2+B3+B4)	70.135	379.295	2) TPCL	28.107	283.980
6) SOLAR (B7)	1.089	8.564	3) REL	16.066	155.129
TOTAL STATE	228.173	1896.835	TOTAL STATE	311.379	2985.939

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	4763	4762	4704
MSGENCO Hydro	449	483	153
MSGENCO Gas	273	271	273
MSGENCO Total Generation	5485	5516	5130
Central Sector Receipt	4340	4126	2352
WIND	280	139	295
CPP / IPP	3141	2748	2751
SOLAR	139	0	0
Exchange with Mumbai	-1007	-1094	-558
MSEDCL DEMAND MET	12405	11475	9970
Load Shedding	71	6	57
MSEDCL DEMAND	12476	11481	10027
TPCL GENERATION	544	610	546
R-INFRA GENERATION	453	393	394
TPCL+R-INFRA DEMAND	2004	2097	1498
STATE DEMAND MET	14409	13572	11468
STATE DEMAND	14480	13578	11525
Frequency (Hz)	49.94	49.93	49.92

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 17.55 Hrs	49.65 Hz at 06.46 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 09/Mar/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	3.32	28.65	158	120	155
Unit 7	3.70	29.69	165	135	160
Total	7.02	58.34			315
Bhusawal					
Unit 2	2.84	18.55	130	23	140
Unit 3	2.96	27.96	140	115	140
Unit 4	0.88	47.02	330	0	0
Unit 5	7.80	72.70	370	275	376
Total	14.48	166.22			656
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.85	22.26	163	152	160
Unit 5	0.00	19.00	0	0	0
Unit 6	4.15	40.54	185	170	170
Unit 7	4.08	39.97	172	170	170
Total	12.08	121.78			500
Chandrapur					
Unit 1	3.20	28.46	140	128	150
Unit 2	3.69	25.04	165	132	160
Unit 3	3.89	30.01	169	143	190
Unit 4	4.01	38.62	173	163	210
Unit 5	8.79	58.00	395	350	450
Unit 6	8.65	82.08	379	350	420
Unit 7	7.43	74.29	353	264	400
Total	39.66	336.51			1980
Paras					
Unit 3	4.46	39.33	206	169	250
Unit 4	4.63	44.60	222	175	250
Total	9.09	83.93			500
Khaparkheda					
Unit 1	3.32	32.08	145	125	180
Unit 2	3.68	31.87	165	140	180
Unit 3	4.16	35.50	193	166	195
Unit 4	0.00	9.73	0	0	0
Unit 5	8.72	83.98	380	348	500
Total	19.89	193.16			1055
Nasik					
Unit 3	4.24	23.12	180	165	190
Unit 4	4.25	38.50	183	171	190
Unit 5	4.18	38.31	181	158	190
Total	12.68	99.92			570
Uran					
All Units	6.52	59.82	273	271	280
Total	6.52	59.82			280
PENCH (MS)					
Pench (MS)	0.23	1.86	44	0	
Total	0.23	1.86			
Koyna					
Stage 1-2	1.66	22.10	315	40	600
Stage 4	0.00	10.68	0	0	250
Stage 3	0.57	7.31	80	0	160
Kovna 12&4 Total	1.66	32.78			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.22	40.10			1010
Hydro					
KDPH	0.45	4.93	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.42	3.60	64	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.10	1.01	40	0	40
RNGR+BHTSA	0.34	2.75	15	14	15
BHANDARDRA	0.79	7.05	33	32	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.90	8.35	38	37	16
GHATGHAR	1.08	13.38	250	0	0
Total	4.08	41.06			169
Wind					
MalharPeth	0.14	1.89			
Vankuswadi	0.31	3.27			
ATIT	0.02	0.31			
Kale	0.06	0.40			
Satara	1.46	13.07			
Shirala	0.07	1.04			
K Mahankal	0.01	0.15			
Supa	0.17	1.20			
Vita	0.72	7.95			
Dondaicha	1.31	14.43			
Sakri	0.13	1.58			
Nandurbar	0.06	1.02			
Khandke	0.69	3.32			
Khaparale	0.55	3.08			
Total	5.72	52.70			
CPP					
JSW JAIGAD	16.70	156.80	746	680	740
WARDHA	4.14	39.45	178	169	300
Adani	33.97	252.29	1688	1249	1837
Other CPPs	15.32	149.07			374
Total	70.14	597.61			3251
SOLAR					
Total	1.09	8.56			
Total	1.09	8.56			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.70	90.63	477	314	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.81	24.80	124	114	120
Trombay 7B	1.62	14.38	70	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.28	22.03	74	0	447
Total	13.40	151.83			1127
REL					
1&2	9.87	101.74	524	388	500
Total	9.87	101.74			500
Cent Sect					
Share					4563
Total					4563
MS PG CL	Thermal	114.90	1059.86		5576
	Thml+Gas	121.42	1119.67		5856
	Hydro	6.30	81.16		1179
	Total	127.72	1200.83		7035
State Total		228.17	1896.84		16476

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/Mar/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	4959	142	272	5373	313	2958	0	2809	2384	-490	-732	10296	59	10355	1787	12142	49.82
2	5017	142	273	5432	324	2771	0	2374	2916	-466	-564	10879	32	10911	1639	12550	49.95
3	5008	143	272	5423	304	2734	0	2426	2244	-508	-498	10207	57	10264	1550	11814	49.99
4	4704	153	273	5130	295	2751	0	2412	2352	-495	-558	9970	57	10027	1498	11525	49.92
5	4711	143	273	5127	304	2818	0	2416	2685	-503	-610	10324	57	10381	1505	11886	49.88
6	4727	143	273	5143	320	3155	0	2933	2870	-487	-657	10831	60	10891	1569	12460	49.92
7	4735	143	273	5151	298	3216	0	3461	3027	-466	-717	10975	86	11061	1613	12674	49.86
8	4789	233	273	5295	288	3190	12	3624	3766	-472	-699	11874	86	11960	1665	13625	49.90
9	4770	517	273	5560	287	3290	42	3636	3455	-507	-783	11877	84	11961	1770	13731	49.91
10	4736	441	273	5450	356	3206	116	4200	4188	-587	-999	12361	81	12442	1909	14351	49.92
11	4763	449	273	5485	280	3141	139	4290	4340	-650	-1007	12405	71	12476	2004	14480	49.94
12	4769	452	271	5492	264	3079	160	4343	4321	-674	-1001	12342	72	12414	2040	14454	49.98
13	4704	369	271	5344	168	2828	173	4345	4522	-663	-997	12041	128	12169	2034	14203	49.98
14	4726	354	271	5351	148	2770	150	4312	4284	-627	-928	11775	70	11845	1954	13799	49.99
15	4754	315	271	5340	169	2758	155	4259	4289	-570	-990	11721	69	11790	1898	13688	50.04
16	4780	157	271	5208	224	2769	84	4341	3835	-528	-976	11144	40	11184	1866	13050	50.05
17	4754	144	271	5169	150	2757	34	3922	3529	-514	-952	10687	14	10701	1843	12544	50.05
18	4781	169	271	5221	133	2754	23	3462	3209	-534	-969	10371	16	10387	1860	12247	50.09
19	4778	207	271	5256	139	2747	1	3651	3741	-616	-1004	10907	11	10918	1925	12843	49.98
20	4762	483	271	5516	139	2748	0	3926	4126	-725	-1094	11475	6	11481	2097	13578	49.93
21	4789	372	271	5432	123	2861	0	3681	3973	-716	-1108	11299	6	11305	2113	13418	49.98
22	4819	329	271	5419	103	3033	0	3262	3192	-674	-1118	10629	6	10635	2114	12749	49.99
23	4783	149	271	5203	331	2982	0	3167	2923	-624	-1026	10413	6	10419	2016	12435	49.98
24	4775	149	271	5195	265	2819	0	3213	3037	-668	-914	10402	6	10408	1905	12313	50.04
MUs	114.89	6.30	6.52	127.72	5.72	70.14	1.09	84.46	83.21	-13.77	-20.90	267.20	1.18	268.38	44.17	312.56	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 09/Mar/2014

Position as on 6.30 Hrs of 10/Mar/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	
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	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Uran Unit 8	108	03/01/2014	14.06		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
Uran Unit B0	120	29/01/2014	17.50		Continued.	Gas Shortage.	
Uran Unit 7	108	29/01/2014	18.05		Continued.	Gas Shortage.	
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	
Koradi Unit 5	200	23/02/2014	04.04		Continued.	ID Fan Problem.	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
Khaparkheda Unit 4	210	03/03/2014	09.32		Continued.	B.T.L.	
Bhusawal Unit 2	210	05/03/2014	21.57	09/03/2014	00.19	Boiler Tube Leakage	
Parli Unit 5	210	06/03/2014	07.06		Continued.	Coal Shortage.	
Bhusawal Unit 4	500	09/03/2014	2.59		Continued.	BTL	
Khaparkheda Unit 3	210	10/03/2014	06.04		Continued.	Furnace Pressure High.	

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

Position as on 6.30 Hrs of 10/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
A"Bad - A'Bad (PG)- II	07/03/2014	15.11		Continued.	Outage.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Talegaon PG- Aurangabad - II	25/02/2014	22.53		Continued.	Over Voltage,RFC 20.16Hrs on 02.03.14
765 KV Akola-II - Tiroda - I	07/03/2014	14.50		Continued.	H/T in view of Outage on 400KV Akola-A'bad PG & 400KV A'bad-A'bad PG.
Kolhapur-Mapusa-II	08/03/2014	16.54	09/03/2014	08.43	over voltage
Dhule-Sar'Sarovar - I	08/03/2014	22.11	09/03/2014	6.52	over voltage
Kolhapur - Mapusa - I	09/03/2014	16.07		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	09/03/2014	18.13		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Solapur-Solapur(PGCIL)	26/02/2014	19.39		Continued.	Distance Protection.
Karad - Solapur (PGCIL)	26/02/2014	19.54		Continued.	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bus Coupler @ Bhusawal	25/02/2014	10.30		Continued.	For Replacement Of OLD MOCB Under Jaica-2 Outage.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Pusad-Nanded	05/12/2013	06.03		Continued.	220KV Ghatodi S/S LILO Work.
Ghodbandar - Bhoisor (MSETCL)	07/12/2013	10.38		Continued.	MUMBAI STRENGTENING WORK
Borivali - Ghodbandar - II	05/02/2014	10.14		Continued.	Tower Erection of Loc.8 & M/C Stringing.
Babaleshwar - Chalisgaon	06/03/2014	11.42		Continued.	Stringing of 220KV Tapline for Kopergaon S/S Alongwith Erection of MD Tower. (upto 10 th March.)
Main Bus Section-II at Pedambe	09/03/2014	07.03	09/03/2014	17.08	Stringing of Pedambe-Adlab line.
Mahape - Tifil	09/03/2014	07.46	09/03/2014	13.25	CRM & Timing of mCB.
Hinjewadi - I - Infosys	09/03/2014	09.10	09/03/2014	13.34	To attend hot spot.
Trombay(T)- Trombay(M)Tie-I	09/03/2014	09.20	09/03/2014	16.21	Control prot.of new control room pannel.
Kalwa-Mulund II	09/03/2014	14.00	09/03/2014	19.09	Cross ARM painting work.
Trombay - Tifil	09/03/2014	14.09	09/03/2014	17.55	CB CRM Timing,29A isolator gear box repl.R.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	06/02/2014	00.02		Continued.	Over Voltage.(RFC 20.35 Hrs on 16.02.14)
Dabhol-Nagothane - II	28/02/2014	21.35		Continued.	Over Voltage.
Bhusawal- Aurangabad	08/03/2014	17.36	09/03/2014	10.25	over voltage
Lonikand- Koyna Stage IV	08/03/2014	22.07	09/03/2014	07.20	over voltage
Bableswhar-Aurangabad	09/03/2014	10.21		Continued.	To control ICT loading at Waluj.
Karad - Kolhapur - II	09/03/2014	15.03		Continued.	Over Voltage.
Karad-Jaigad I	09/03/2014	15.52		Continued.	Over Voltage.
Bhusawal- Aurangabad	09/03/2014	17.26		Continued.	Over Voltage.

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

Position as on 6.30 Hrs of 10/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand- Koyna Stage IV	10/03/2014	00.01		Continued.	Over Voltage.
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC POLE - II	08/03/2014	19.47	09/03/2014	1.44	smoothing recator prob. suspected
HVDC Pole-I	09/03/2014	15.21	09/03/2014	17.35	DC line fault.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - II	08/03/2014	16.16	09/03/2014	07.51	over voltage
Karad-Jaigad I	08/03/2014	16.20	09/03/2014	07.57	over voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Karad - Vita I	09/03/2014	14.30	09/03/2014	19.35	R-Ph insulator repl.
Vita - Lamboti	09/03/2014	17.32		Continued.	Dist.Prot.
220/132KV 200 MVA ICT-I @ Amravati	09/03/2014	21.47	09/03/2014	22.43	132KV New Bus Section Bus Bar Prot.Optd.
220/132KV 200 MVA ICT-II @ Amravati	09/03/2014	21.47		Continued.	132KV New Bus Section Bus Bar Prot.Optd.
Voltage Level : 132KV			Outage Type TRIPPED		
Kanhan - Mouda	09/03/2014	02.48	09/03/2014	03.17	Dist.Prot.
Beed - Beed	09/03/2014	14.10	09/03/2014	14.24	33KV Feeder Y-Ph CT Burst.
Amravati - Akola	09/03/2014	21.47	09/03/2014	22.46	132KV New Bus Section Bus Bar Prot.Optd.
Amravati-Chandurbazar	09/03/2014	21.47	09/03/2014	22.45	132KV New Bus Section Bus Bar Prot.Optd.
Amravati - Morshi	09/03/2014	21.47	09/03/2014	22.34	132KV New Bus Section Bus Bar Prot.Optd.
Interconnector at Amravati	09/03/2014	21.47	09/03/2014	22.30	132KV New Bus Section Bus Bar Prot.Optd.
Amravati - Achalpur	09/03/2014	21.47		Continued.	132KV New Bus Section Bus Bar Prot.Optd.B-Ph CT Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Mar/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	140
Unit 3	210	140
Unit 4	500	0
Unit 5	500	320
	1420	600
Parli		
Unit 3	210	0
Unit 4	210	162
Unit 5	210	0
Unit 6	250	170
Unit 7	250	170
	1130	502
Chandrapur		
Unit 1	210	140
Unit 2	210	160
Unit 3	210	170
Unit 4	210	210
Unit 5	500	450
Unit 6	500	350
Unit 7	500	360
	2340	1840
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	195
Unit 4	210	0
Unit 5	500	500
	1340	1055
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	280
	852	280
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	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	16
GHATGHAR	250	0
	611	169
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	740
WARDHA	405	175
Adani	1980	1851
Other CPPs	300	465
	3885	3231
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	5064
	3455	5064