



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Sep/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Sep/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	88.290	175.756	1) Gujrat	16.127	31.563
2) Hydro	22.386	37.784	2) Madhya Pradesh	24.196	44.496
3) Gas	9.775	20.053	3) Chattisgarh	9.890	19.180
Total MSGENCO	120.451	233.593	4) Maharashtra	69.584	137.285
B) 1) JSW JAIGAD	22.954	45.948	5) Goa	-6.647	-12.420
2) WPCL	7.395	14.787	6) TAPS 1&2 Injection	7.482	14.968
3) ADANI	25.280	54.480	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	11.487	22.976	8) Pench (Excess)	-0.903	-1.836
5) Wind Generation	6.193	11.248	# Total Cent. Sector	119.729	233.236
6) PENCH (MS)	0.903	1.836	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-19.663	-35.109
1) TPCL Thermal	17.685	34.067	G) Bilateral Power *		
2) TPCL Hydro	7.365	10.268	1) MSEDCL Bilateral	11.493	25.935
TOTAL TPCL	25.050	44.335	Include PX	0.587	5.559
3) REL Thermal	12.472	24.970	2) MUMBAI Bilateral	21.141	38.215
D) STATE			Include PX	6.960	9.771
1) Thermal (A1+C1+C3)	118.447	234.793	3) MUMBAI Schedule	21.141	38.215
2) Hydro (A2+B5+C2)	30.654	49.888	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.775	20.053	1) MSEDCL	294.729	582.995
4) Wind (B4)	6.193	11.248	2) TPCL	37.693	68.250
5) CPP (B1+B2+B3)	67.116	108.991	3) REL	19.540	36.212
TOTAL STATE	232.185	424.973	TOTAL STATE	351.962	687.457

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3617	3742	3523
MSGENCO Hydro	1493	1139	122
MSGENCO Gas	456	453	262
MSGENCO Total Generation	5566	5334	3907
Central Sector Receipt	5833	5449	4567
WIND	127	364	279
CPP / IPP	3017	2548	2912
Exchange with Mumbai	-1237	-1143	-328
MSEDCL DEMAND MET	13349	12578	11381
Load Shedding	594	426	147
MSEDCL DEMAND	13943	13004	11528
TPCL GENERATION	1200	1198	758
R-INFRA GENERATION	519	520	522
TPCL+R-INFRA DEMAND	2956	2861	1608
STATE DEMAND MET	16305	15439	12989
STATE DEMAND	16899	15865	13136
Frequency (Hz)	50.04	50.14	50.17

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 12.06 Hrs	49.66 Hz at 19.10 Hrs	50.04	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 02/Sep/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.20	6.51	150	105	150
Unit 6	1.58	5.05	152	0	140
Unit 7	0.00	0.00	0	0	0
Total	4.79	11.56			290
Bhusawal					
Unit 2	3.26	6.29	145	110	125
Unit 3	3.40	6.80	155	110	125
Unit 4	4.72	10.70	300	130	100
Unit 5	5.54	10.16	260	170	0
Total	16.91	33.95			350
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.13	6.24	140	112	130
Unit 5	0.00	0.00	0	0	0
Unit 6	4.15	8.47	200	135	180
Unit 7	4.59	9.08	204	181	180
Total	11.87	23.80			490
Chandrapur					
Unit 1	3.31	6.22	149	122	150
Unit 2	3.42	6.56	157	130	150
Unit 3	0.00	0.00	0	0	0
Unit 4	4.38	8.72	205	124	190
Unit 5	0.00	0.00	0	0	0
Unit 6	0.37	3.05	174	0	0
Unit 7	8.92	15.06	447	275	350
Total	20.41	39.60			840
Paras					
Unit 3	3.85	8.48	186	94	200
Unit 4	4.25	8.78	190	150	200
Total	8.09	17.27			400
Khaparkheda					
Unit 1	3.04	5.92	145	105	160
Unit 2	2.48	5.26	145	65	140
Unit 3	3.85	7.60	166	147	160
Unit 4	3.90	5.09	171	154	180
Unit 5	0.00	0.00	0	0	0
Total	13.27	23.86			640
Nasik					
Unit 3	4.43	8.77	200	175	200
Unit 4	4.02	8.08	178	154	190
Unit 5	4.50	8.87	199	168	200
Total	12.96	25.72			590
Uran					
All Units	9.78	20.05	462	261	460
Total	9.78	20.05			460
PENCH (MS)					
Pench (MS)	0.90	1.84	45	20	
Total	0.90	1.84			
Koyna					
Stage 1-2	6.20	11.38	505	35	530
Stage 4	10.89	15.72	840	0	250
Stage 3	3.71	5.54	238	0	240
Kovna 12&4 Total	17.09	27.09			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	20.80	32.63			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.24	0.67	60	0	60
BHTGR/VEER	0.10	0.21	5	4	0
BHIRA T.R.	0.35	0.94	41	0	40
RNGR+BHTSA	0.40	0.80	17	16	17
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.49	1.12	21	20	5
GHATGHAR	0.00	1.42	0	0	0
Total	1.59	5.15			122
Wind					
MalharPeth	0.20	0.43			
Vankuswadi	0.28	0.57			
ATIT	0.50	0.53			
Kale	0.11	0.24			
Satara	0.14	1.32			
Shirala	0.10	0.21			
K Mahankal	0.64	0.65			
Supa	0.09	0.14			
Vita	0.54	0.93			
Dondaicha	2.71	4.49			
Sakri	0.35	0.63			
Nandurbar	0.28	0.43			
Khandke	0.08	0.16			
Khaparale	0.17	0.50			
Total	6.19	11.25			
CPP					
JSW JAIGAD	22.95	45.95	996	918	925
WARDHA	7.40	14.79	311	304	340
Adani	25.28	54.48	1240	840	1234
Other CPPs	11.49	22.98			394
Total	67.12	138.19			2893
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.98	22.98	502	497	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.70	11.09	253	186	250
TATA Hydro	7.36	10.27	446	72	447
Total	25.05	44.34			1197
REL					
1&2	12.47	24.97	522	518	500
Total	12.47	24.97			500
Cent Sect					
Share					5026
Total					5026

MS PG CL	Thermal	88.29	175.76			3600
	Thml+Gas	98.06	195.81			4060
	Hydro	22.39	37.78			1142
	Total	120.45	233.59			5202
State Total		232.18	424.97			14818

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/Sep/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3540	691	261	4492	234	2910	4165	4542	-649	-574	11648	104	11752	1930	13682	50.00
2	3531	540	268	4339	199	2923	4124	4583	-622	-470	11618	116	11734	1750	13484	50.00
3	3567	281	346	4194	204	2936	4139	4620	-624	-388	11611	130	11741	1663	13404	50.09
4	3523	122	262	3907	279	2912	4154	4567	-624	-328	11381	147	11528	1608	13136	50.17
5	3560	75	262	3897	298	2932	4154	4675	-624	-330	11516	166	11682	1607	13289	50.12
6	3598	431	399	4428	257	2936	4454	4722	-585	-411	11975	333	12308	1713	14021	50.00
7	3575	436	329	4340	260	2976	4535	4721	-627	-515	11825	761	12586	1868	14454	50.05
8	3703	650	386	4739	204	2988	4625	4851	-689	-624	12198	775	12973	2032	15005	50.08
9	3742	560	455	4757	210	2963	4871	5028	-763	-735	12254	730	12984	2344	15328	50.04
10	3788	820	457	5065	175	3071	5107	5337	-1025	-995	12684	470	13154	2676	15830	50.01
11	3701	979	450	5130	131	3019	5097	5760	-1256	-1181	12902	442	13344	2887	16231	50.00
12	3617	1493	456	5566	127	3017	5133	5833	-1310	-1237	13349	594	13943	2956	16899	50.04
13	3653	1586	452	5691	138	2968	4984	5824	-1267	-1244	13416	756	14172	2960	17132	50.19
14	3685	1612	451	5748	150	2744	4888	5486	-1163	-1110	13038	663	13701	2829	16530	50.09
15	3735	1611	451	5797	268	2638	4890	5836	-1165	-1139	13420	486	13906	2856	16762	49.92
16	3768	1623	453	5844	251	2589	4934	5799	-1170	-1166	13342	411	13753	2882	16635	50.05
17	3742	1139	453	5334	364	2548	5043	5449	-1061	-1143	12578	426	13004	2861	15865	50.14
18	3719	603	453	4775	367	2569	4316	4640	-825	-1123	11251	684	11935	2803	14738	50.16
19	3657	456	453	4566	526	2553	4444	4607	-945	-992	11297	512	11809	2653	14462	49.98
20	3751	1092	453	5296	468	2594	4420	4697	-957	-980	12115	655	12770	2697	15467	49.92
21	3746	1360	453	5559	291	2595	4382	4637	-919	-856	12271	439	12710	2573	15283	49.94
22	3754	1513	452	5719	272	2588	4272	4366	-821	-779	12211	276	12487	2480	14967	50.03
23	3827	1391	458	5676	267	2565	4182	4603	-749	-711	12445	156	12601	2361	14962	50.03
24	3808	1322	462	5592	253	2582	4152	4546	-701	-632	12384	125	12509	2196	14705	50.01
MUs	88.29	22.39	9.78	120.45	6.19	67.12	109.46	119.73	-21.14	-19.66	294.73	10.36	305.09	57.18	362.27	50.04

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 02/Sep/2013

Position as on 6.30 Hrs of 03/Sep/2013

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	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
Tata Trombay 7B	60	27/07/2013	12.57		Continued.	Annual Overhaul	
Tata Trombay 7A	120	27/07/2013	13.55		Continued.	Annual Overhaul	
Koradi Unit 7	210	09/08/2013	07.22		Continued.	Annual Overhaul	
Cent_Sect Sipat U-1	660	15/08/2013	02.00		Continued.	Annual Overhaul	
Koyna ST-IV 2	250	23/08/2013	08.35		Continued.	Spherical Valve Problem.	04/09/2013
Khaparkheda Unit 5	500	26/08/2013	21.37		Continued.	Annual Overhaul	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	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.	
CPP WPCL U-2	135	06/08/2013	09.45	03/09/2013	04.38	Flame Failure	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Withdrawn	
Uran Unit 6	108	26/08/2013	12.14		Continued.	Gas Shortage	
Cent_Sect TARAPUR-3	540	28/08/2013	09.08		Continued.	Reactor Problem.	
CPP Adani U-3	660	28/08/2013	23.07		Continued.	Turbine Vibration Very High	
Chandrapur Unit 3	210	31/08/2013	09.38		Continued.	Boiler Tube Leakage.	04/09/2013
Koyna Unit 4	75	01/09/2013	08.15		Continued.	To Attending TGB Oil Leakage.	
Chandrapur Unit 6	500	01/09/2013	10.25	02/09/2013	21.32	UAD 6D Incomer Flashover.	
Uran Unit A0	120	01/09/2013	21.57	02/09/2013	01.58	Steam Turbine Tripped.	
Uran Unit B0	120	01/09/2013	21.57	02/09/2013	05.47	Steam Turbine Tripped.	
Cent_Sect NTPC(V-6)	210	02/09/2013	00.02		Continued.	Boiler Tube Leakage.	
Koradi Unit 6	210	02/09/2013	11.50		Continued.	ID Fan Problem.	
Koyna Unit 3	75	02/09/2013	22.05		Continued.	Prot.problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Sep/2013

Position as on 6.30 Hrs of 03/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	31/08/2013	16.42	02/09/2013	09.39	Over Voltage.
Kolhapur-Mapusa-II	31/08/2013	17.26	02/09/2013	06.48	Over Voltage.
Solapur-Solapur(PGCIL)	01/09/2013	18.10	02/09/2013	05.54	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	02/09/2013	15.03		Continued.	Over Voltage.
Kolhapur - Mapusa - I	02/09/2013	16.20		Continued.	Over Voltage.
Solapur - Solapur (PG)	02/09/2013	17.58	03/09/2013	06.02	Over Voltage.
Voltage Level : 500KV			Outage Type TRIPPED		
765KV Wardha-Senoi-II (PGCIL)	20/08/2013	20:30		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	20/08/2013	02:43	02/09/2013	10.04	Over Voltage.
Parli (PG) - Wardha (PG) - II	02/09/2013	09.47		Continued.	R-Ph to Y-Ph Fault.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV GT V at Khaparkheda	21/08/2013	17.34		Continued.	Hot Spot B Ph. 89T Isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main CB of 220/100kV 200 MVA ICTIII @ Padgha	22/05/2013	10.46		Continued.	Repl.of A and B bus isolator.ICT on TBC.
Mulund - Bhandup (GIS)	02/09/2013	09.45		Continued.	Repl.of R-Ph Jumper from Bus Iso 29A & 29C to 220KV Bus II.
220/110 KV 200 MVA ICT III at Tilawane	02/09/2013	09.54	02/09/2013	13.20	Alignment of isolator.
Interconnector - I @ Dhule	02/09/2013	10.02	02/09/2013	14.54	For checking protection scheme of interconnector I.
Talangde-Five star MIDC	02/09/2013	10.36	02/09/2013	16.50	Q.M.Work
Khadka-Bhadli-II	02/09/2013	10.54	02/09/2013	18.42	For crimping of clamps and connectors.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
New Koyna-Jejuri	01/09/2013	12.13		Continued.	To Attend Broken Strands of Y Ph.W/T Jumper.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Deepnagar-Aurangabad-I	28/08/2013	21.43		Continued.	Over Voltage
Bhusawal- Aurangabad	31/08/2013	15.47	02/09/2013	15.09	Over Voltage.
Karad - Kolhapur - I	01/09/2013	16.39	02/09/2013	06.18	Over Voltage.
Dabhol - Nagothane - I	01/09/2013	16.43		Continued.	Over Voltage.
Karad - Kolhapur - II	02/09/2013	16.38		Continued.	Over Voltage.
Bhusawal- Aurangabad	02/09/2013	18.35		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	24/07/2013	19.26		Continued.	To Avoid Overloading by Taking Line in Grid,Handtripped @ Chikhali End Only.
Voltage Level : 400KV			Outage Type TRIPPED		
Koyna IV - Jejuri	02/09/2013	16.25		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Sep/2013

Position as on 6.30 Hrs of 03/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Talandge - Sawantwadi - II.	19/08/2013	16:26		Continued.	D/P.
Voltage Level : 132KV			Outage Type TRIPPED		
Chikhali - Khamgaon	03/09/2013	04.55		Continued.	Dist Prot. C.C.Burst at K'gaon end.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Sep/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	0
Unit 7	210	0
	620	120
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	280
Unit 5	500	0
	1420	560
Parli		
Unit 3	210	0
Unit 4	210	80
Unit 5	210	0
Unit 6	250	200
Unit 7	250	180
	1130	460
Chandrapur		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	0
Unit 4	210	200
Unit 5	500	0
Unit 6	500	350
Unit 7	500	400
	2340	1240
Paras		
Unit 3	250	190
Unit 4	250	190
	500	380
Khaparkheda		
Unit 1	210	120
Unit 2	210	110
Unit 3	210	160
Unit 4	210	160
Unit 5	500	0
	1340	550
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	200
	630	580
Uran		
All Units	852	450
	852	450
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	120
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	907
WARDHA	405	330
Adani	1320	1234
Other CPPs	300	395
	3225	2866
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1197
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5570
	3455	5570