



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Sep/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Sep/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	92.202	543.234	1) Gujrat	17.913	90.497
2) Hydro	13.768	129.936	2) Madhya Pradesh	22.409	135.581
3) Gas	10.929	63.199	3) Chattisgarh	9.350	59.000
Total MSGENCO	116.899	736.369	4) Maharashtra	68.646	406.622
B) 1) JSW JAIGAD	23.290	139.255	5) Goa	-6.033	-37.184
2) WPCL	6.847	43.392	6) TAPS 1&2 Injection	6.618	44.081
3) ADANI	29.270	164.470	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	10.680	64.655	8) Pench (Excess)	-1.070	-5.651
5) Wind Generation	9.470	54.608	# Total Cent. Sector	117.833	692.946
6) PENCH (MS)	1.070	5.651	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-20.144	-115.150
1) TPCL Thermal	18.030	105.996	G) Bilateral Power *		
2) TPCL Hydro	7.564	40.549	1) MSEDCL Bilateral	21.386	93.416
TOTAL TPCL	25.594	146.545	Include PX	11.929	31.768
3) REL Thermal	12.500	74.931	2) MUMBAI Bilateral	19.303	119.340
D) STATE			Include PX	5.589	35.402
1) Thermal (A1+C1+C3)	122.732	724.161	3) MUMBAI Schedule	19.303	119.842
2) Hydro (A2+B5+C2)	22.402	176.136	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.929	63.199	1) MSEDCL	295.215	1786.196
4) Wind (B4)	9.470	54.608	2) TPCL	38.060	220.506
5) CPP (B1+B2+B3)	70.087	276.572	3) REL	20.176	116.163
TOTAL STATE	235.620	1294.676	TOTAL STATE	353.451	2122.865

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	4101	3983	3504
MSGENCO Hydro	970	572	245
MSGENCO Gas	450	450	461
MSGENCO Total Generation	5521	5005	4210
Central Sector Receipt	5619	5263	4412
WIND	278	352	551
CPP / IPP	2971	2966	2874
Exchange with Mumbai	-1245	-1189	-370
MSEDCL DEMAND MET	13187	12440	11725
Load Shedding	660	437	205
MSEDCL DEMAND	13847	12877	11930
TPCL GENERATION	1213	1182	786
R-INFRA GENERATION	520	521	523
TPCL+R-INFRA DEMAND	2978	2892	1679
STATE DEMAND MET	16165	15332	13404
STATE DEMAND	16825	15769	13609
Frequency (Hz)	49.90	49.95	49.87

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 08.02 Hrs	49.55 Hz at 14.10 Hrs	49.92	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 06/Sep/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	14.67	0	0	0
Unit 6	0.00	5.05	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	19.72			0
Bhusawal					
Unit 2	0.00	13.48	0	0	0
Unit 3	3.71	20.46	180	125	160
Unit 4	7.19	39.01	355	245	323
Unit 5	6.79	36.02	330	217	
Total	17.69	108.97			483
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.14	17.50	163	89	150
Unit 5	0.00	0.00	0	0	0
Unit 6	4.85	27.20	224	187	220
Unit 7	4.66	27.21	221	165	220
Total	12.65	71.90			590
Chandrapur					
Unit 1	3.16	19.14	138	125	140
Unit 2	3.24	19.57	150	74	140
Unit 3	3.88	8.42	179	140	160
Unit 4	4.21	26.16	194	139	200
Unit 5	0.00	0.00	0	0	0
Unit 6	7.76	34.29	400	260	325
Unit 7	7.93	48.56	398	265	370
Total	30.17	156.15			1335
Paras					
Unit 3	5.25	27.29	233	203	220
Unit 4	3.84	23.68	218	57	100
Total	9.08	50.97			320
Khaparkheda					
Unit 1	3.62	18.08	190	110	150
Unit 2	0.00	7.30	0	0	0
Unit 3	4.02	21.63	185	155	150
Unit 4	2.66	14.26	189	0	0
Unit 5	0.00	0.00	0	0	0
Total	10.31	61.27			300
Nasik					
Unit 3	4.18	26.12	190	145	170
Unit 4	3.77	22.19	177	131	150
Unit 5	4.34	25.95	188	171	190
Total	12.29	74.25			510
Uran					
All Units	10.93	63.20	468	445	460
Total	10.93	63.20			460
PENCH (MS)					
Pench (MS)	1.07	5.65	50	20	
Total	1.07	5.65			
Koyna					
Stage 1-2	5.37	39.77	550	45	600
Stage 4	4.27	57.98	521	0	250
Stage 3	2.00	20.89	160	0	240
Kovna 12&4 Total	9.64	97.75			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.64	118.64			1090
Hydro					
KDPH	0.26	0.26	38	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.23	1.40	58	0	60
BHTGR/VEER	0.10	0.62	4	4	5
BHIRA T.R.	0.49	2.80	41	0	40
RNGR+BHTSA	0.36	2.32	15	15	16
BHANDARDRA	0.53	0.74	38	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.16	1.73	7	6	0
GHATGHAR	0.00	1.42	0	0	0
Total	2.13	11.30			121
Wind					
MalharPeth	0.42	1.79			
Vankuswadi	0.81	2.98			
ATIT	0.09	0.81			
Kale	0.28	1.12			
Satara	2.78	12.76			
Shirala	0.24	1.06			
K Mahankal	0.04	0.84			
Supa	0.32	0.86			
Vita	1.48	6.84			
Dondaicha	2.13	17.57			
Sakri	0.38	2.74			
Nandurbar	0.18	1.64			
Khandke	0.09	1.35			
Khaparale	0.24	2.25			
Total	9.47	54.61			
CPP					
JSW JAIGAD	23.29	139.26	1000	889	950
WARDHA	6.85	43.39	300	273	290
Adani	29.27	164.47	1230	1200	1234
Other CPPs	10.68	64.66			440
Total	70.09	411.77			2914
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.01	70.92	503	496	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	6.02	35.07	253	249	250
TATA Hydro	7.56	40.55	469	24	447
Total	25.59	146.54			1197
REL					
1&2	12.50	74.93	524	510	500
Total	12.50	74.93			500
Cent Sect					
Share					5354
Total					5354

MS PG CL	Thermal	92.20	543.23			3538
	Thml+Gas	103.13	606.43			3998
	Hydro	13.77	129.94			1211
	Total	116.90	736.37			5209
State Total		235.62	1294.68			15174

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/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	3544	594	458	4596	556	2886	4318	4536	-678	-613	12007	127	12134	1994	14128	49.89
2	3470	280	458	4208	625	2851	4155	4617	-513	-473	11874	180	12054	1822	13876	49.97
3	3535	370	460	4365	629	2872	4130	4418	-490	-427	11877	201	12078	1734	13812	49.87
4	3504	245	461	4210	551	2874	4110	4412	-470	-370	11725	205	11930	1679	13609	49.87
5	3525	479	464	4468	513	2858	4105	4541	-466	-373	12057	236	12293	1680	13973	49.86
6	3597	883	464	4944	464	2896	4421	4546	-496	-475	12425	440	12865	1772	14637	49.86
7	3599	695	468	4762	358	2944	4446	4567	-550	-533	12145	929	13074	1907	14981	49.99
8	3826	564	468	4858	280	2942	4532	5146	-634	-603	12670	927	13597	2077	15674	50.09
9	3898	534	460	4892	297	2935	4843	5341	-713	-724	12788	861	13649	2385	16034	50.06
10	3888	1193	453	5534	241	2976	5158	5377	-908	-970	13208	591	13799	2704	16503	49.87
11	3980	920	446	5346	240	2958	5409	5877	-1062	-1210	13258	532	13790	2949	16739	49.88
12	4101	970	450	5521	278	2971	5486	5619	-1120	-1245	13187	660	13847	2978	16825	49.90
13	4053	598	447	5098	251	2971	5458	5560	-1091	-1266	12657	828	13485	2993	16478	49.92
14	3947	438	445	4830	293	2908	5354	5544	-995	-1102	12520	741	13261	2839	16100	49.87
15	3903	604	447	4954	371	3013	5470	5675	-993	-1167	12889	572	13461	2890	16351	49.82
16	3916	772	448	5136	264	2991	5481	5806	-1021	-1185	13055	446	13501	2907	16408	49.97
17	3983	572	450	5005	352	2966	5120	5263	-983	-1189	12440	437	12877	2892	15769	49.95
18	3934	193	453	4580	455	2938	4714	4314	-942	-1130	11204	634	11838	2828	14666	50.04
19	3961	204	452	4617	454	2917	4636	4276	-990	-1107	11207	485	11692	2724	14416	50.01
20	3998	337	454	4789	450	2904	4716	4600	-1033	-1024	11766	641	12407	2743	15150	49.89
21	4040	404	458	4902	564	2902	4616	4682	-983	-905	12188	444	12632	2625	15257	49.94
22	4043	312	458	4813	414	2919	4417	4621	-822	-791	12017	264	12281	2504	14785	50.01
23	3996	688	452	5136	290	2888	4238	4324	-723	-678	12000	174	12174	2380	14554	49.82
24	3959	919	455	5333	280	2807	4189	4173	-624	-584	12051	146	12197	2232	14429	49.78
MUs	92.20	13.77	10.93	116.90	9.47	70.09	113.52	117.84	-19.30	-20.14	295.22	11.70	306.92	58.24	365.15	49.92

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 06/Sep/2013

Position as on 6.30 Hrs of 07/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	
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.	
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	
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.	
CPP WPCL U-3	135	03/09/2013	12.00		Continued.	Control valve problem.	
Khaparkheda Unit 2	210	03/09/2013	21.01		Continued.	Coal bunkering problem.	
Khaparkheda Unit 4	210	04/09/2013	20.26	06/09/2013	07.19	Boiler Tube Leakage.	
Bhusawal Unit 2	210	05/09/2013	10.06		Continued.	I D Fan Problem.	
Koradi Unit 5	200	05/09/2013	18.08		Continued.	I D Fan Problem.	
Koyna ST - IV 3	250	06/09/2013	22.44	07/09/2013	01.15	Gavarnaor Oil Circulation Pressure Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Sep/2013

Position as on 6.30 Hrs of 07/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Padgha-Bhoisor (PGCIL)	05/09/2013	23.13	06/09/2013	03.00	For Attending Red Hot of R Ph CT Clamp towards Bus Isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	05/09/2013	16.38		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	05/09/2013	21.51	06/09/2013	07.44	Over Voltage
Kolhapur-Solapur (PG) II	06/09/2013	11.22		Continued.	For Controlling 400KV Parly-Wardha Line.
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		
Akola - Aurangabad - I	06/09/2013	10.29	06/09/2013	10.47	Taking out 50 MVAR Reactor for Testing Oil Sample @ Abad.
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.
Koyna IV - Jejuri	05/09/2013	10.04	06/09/2013	08.53	Replacement of Insulator by Lon Rod Polymer, Trail Taken @ 19.12 Hrs But Line Tripped on D/P Due to Decapping.
Main Bus - I @ Bhusawal	06/09/2013	08.47		Continued.	Testing of Main Bus CVT Isolator Replacement.
Bus Coupler @ Bhusawal	06/09/2013	08.47		Continued.	To Replace 400KV Main BUS-2 CT'S OF Bus Coupler Under Jica-2.
Bableshtar-Aurangabad	06/09/2013	09.31	07/09/2013	06.53	Tighting of Earth Wire Suspension Clamp,Ready for Charging @1800 Hrs.
Akola-Aurangbad Ckt-II Tie Bkr.	06/09/2013	11.55	06/09/2013	16.52	R.M.Work and Restrung.
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.
Babaleshtar - Ranjangaon	05/09/2013	09.36	06/09/2013	08.38	Replacement of R Ph. L A.
Butibori MIDC - VIPL - I	05/09/2013	14.49		Continued.	Testing of CT's @ VIPL End & Testing of CT's & Breaker @ Butibori End.
Main Bus Section - II @ Pedambe	06/09/2013	06.32	06/09/2013	16.00	For U-12,R PH.Conductor Replacement Main Line to Jumper Clamp.
220/100 KV 200 MVA ICT - IV @ Padgha.	06/09/2013	09.51	06/09/2013	17.06	Red Hot Spot Attending Work.
Mudshingi - Talandage - I	06/09/2013	10.00	06/09/2013	12.56	Testing of Motorised Isolator on Electric Mode.
Padgha-Wada	06/09/2013	10.24		Continued.	Isolator Replacement Work Under Jica.
Vankuswadi-Ajinkyatara	06/09/2013	10.35	06/09/2013	16.20	Scada Commiccioning Work.
Ajinkyatara-Satara MIDC	06/09/2013	10.35	06/09/2013	16.20	Scada Commissioning Work.
Taloja-OCIL-II	06/09/2013	11.35	06/09/2013	17.00	Replacement of Insulator String.
Mudshingi - Chikodi	06/09/2013	12.00	06/09/2013	18.08	Testing of Motorised Isolator on

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 06/Sep/2013

Position as on 6.30 Hrs of 07/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Electric Mode.
220/100 KV 100 MVA ICT - I @ Vasai	06/09/2013	13.14	06/09/2013	14.55	Oil Top Up.
Sahara-B'dying	07/09/2013	07.02		Continued.	Replacement of Damage Conductor between B Ph.Wavetrap to Line Isolator.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa - Salsette - I	06/09/2013	08.50	06/09/2013	17.12	String of OPGW From 118 to A2 Structure.
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
Karad - Kolhapur - I	05/09/2013	16.09	06/09/2013	07.04	Over Voltage.
Deepnagar-Aurangabad-I	05/09/2013	21.49	06/09/2013	09.11	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.
Phursungi - Theur	06/09/2013	16.37		Continued.	To Control Its O/L.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Khaparkheda II	05/09/2013	18.04		Continued.	Over Voltage.
Dabhol - New Koyana - I	07/09/2013	01.24		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
220/33 KV 100 MVA T/F @ Shivajinagar (Sakri)	06/09/2013	12.50	06/09/2013	13.10	Tripped on LV O/C,Solar Gen of 96 Mw Affected.
Voltage Level : 100KV			Outage Type TRIPPED		
100/22 KV T/F - IV @ Bhiwandi	06/09/2013	18.25		Continued.	Due to LV Side B Ph. CT Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Sep/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	0
	620	0
Bhusawal		
Unit 2	210	0
Unit 3	210	170
Unit 4	500	323
Unit 5	500	
	1420	493
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	0
Unit 6	250	220
Unit 7	250	220
	1130	590
Chandrapur		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	150
Unit 4	210	170
Unit 5	500	0
Unit 6	500	300
Unit 7	500	300
	2340	1210
Paras		
Unit 3	250	182
Unit 4	250	201
	500	383
Khaparkheda		
Unit 1	210	180
Unit 2	210	0
Unit 3	210	190
Unit 4	210	190
Unit 5	500	0
	1340	560
Nasik		
Unit 3	210	190
Unit 4	210	180
Unit 5	210	190
	630	560
Uran		
All Units	852	460
	852	460
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
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	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	121
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	680
WARDHA	405	300
Adani	1320	1234
Other CPPs	300	510
	3225	2724
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	5219
	3455	5219