



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Sep/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	89.901	537.976	1) Gujrat	-6.152	-26.758
2) Hydro	22.453	71.423	2) Madhya Pradesh	14.528	93.227
3) Gas	9.238	60.582	3) Chattisgarh	6.800	42.350
Total MSGENCO	121.592	669.981	4) Maharashtra Net	75.508	493.165
B) 1) JSW JAIGAD	26.445	161.733	(Incl. 765kV Solapur-Raichur)	-1.512	-26.184
2) WPCL	4.335	23.991	5) Goa	-6.148	-36.042
3) ADANI	13.792	66.289	6) TAPS 1&2 Injection	7.484	44.786
4) Other CPP / IPP	13.715	77.686	7) RGPPL Injection	0.000	0.000
5) Wind Generation	29.770	200.577	8) Pench (Excess)	-0.770	-4.843
6) PENCH (MS)	0.770	4.843	# Total Cent. Sector	91.250	605.885
7) SOLAR	0.750	4.183	F) Other Exchanges		
C) 1) TPCL Thermal	16.873	72.342	1) With TPCL (Excess)	-23.255	-151.385
2) TPCL Hydro	3.791	40.894	G) Bilateral Power *		
TOTAL TPCL	20.664	113.236	1) MSEDCL Bilateral	22.807	149.029
3) REL Thermal	12.346	74.037	Include PX	0.466	-1.244
D) STATE			2) MUMBAI Bilateral	19.061	121.606
1) Thermal (A1+C1+C3)	119.120	684.355	Include PX	4.382	34.469
2) Hydro (A2+B6+C2)	27.014	117.160	3) MUMBAI Schedule	19.293	125.066
3) Gas (A3)	9.238	60.582	H) ENERGY CATERED (MUs)		
4) Wind (B5)	29.770	200.577	1) MSEDCL	279.164	1663.783
5) CPP/IPP (B1+B2+B3+B4)	58.287	329.699	2) TPCL	35.911	215.926
6) SOLAR (B7)	0.750	4.183	3) REL	20.357	122.734
TOTAL STATE	244.179	1396.556	TOTAL STATE	335.432	2002.443

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3873	3372	3901
MSGENCO Hydro	921	1873	144
MSGENCO Gas	432	291	442
MSGENCO Total Generation	5226	5536	4487
Central Sector Receipt	4178	5006	3293
WIND	1321	1012	1335
CPP / IPP	2418	2619	2106
SOLAR	60	0	0
Exchange with Mumbai	-956	-1216	-777
MSEDCL DEMAND MET	12268	13011	10457
Load Shedding	51	54	51
MSEDCL DEMAND	12319	13065	10508
TPCL GENERATION	1081	981	453
R-INFRA GENERATION	523	520	454
TPCL+R-INFRA DEMAND	2560	2717	1684
STATE DEMAND MET	14828	15728	12141
STATE DEMAND	14879	15782	12192
Frequency (Hz)	49.90	49.87	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 00.20 Hrs	49.59 Hz at 19.08 Hrs	49.94	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/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	3.12	18.29	150	105	170
Unit 7	3.03	17.49	145	115	150
Total	6.15	35.77			320
Bhusawal					
Unit 2	3.00	5.22	130	120	120
Unit 3	0.00	11.15	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	8.99	53.35	460	310	450
Total	12.00	69.71			570
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.66	16.90	163	140	160
Unit 6	5.57	22.32	250	190	230
Unit 7	5.08	17.87	244	171	230
Total	14.31	57.09			620
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.56	17.25	137	85	140
Unit 3	0.00	8.85	0	0	0
Unit 4	3.60	19.24	170	122	200
Unit 5	5.46	40.23	320	0	325
Unit 6	6.84	38.92	305	256	300
Unit 7	6.36	38.29	298	239	300
Total	24.84	162.79			1265
Paras					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.86	26.94	223	183	230
Total	4.86	26.94			230
Khaparkheda					
Unit 1	0.00	14.26	0	0	0
Unit 2	2.98	19.31	155	105	172
Unit 3	3.02	20.22	149	0	190
Unit 4	3.52	20.74	152	139	190
Unit 5	6.68	43.14	328	250	329
Total	16.20	117.67			881
Nasik					
Unit 3	3.72	22.27	175	140	170
Unit 4	3.90	22.27	176	150	180
Unit 5	3.92	23.46	179	145	190
Total	11.55	68.00			540
Uran					
All Units	9.24	60.58	448	286	460
Total	9.24	60.58			460
PENCH (MS)					
Pench (MS)	0.77	4.84	54	0	
Total	0.77	4.84			
Koyna					
Stage 1-2	5.34	16.26	485	40	600
Stage 4	8.10	15.88	840	0	250
Stage 3	3.42	11.94	320	0	320
Kovna 12&4 Total	13.44	32.13			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	16.86	44.08			1170
Hydro					
KDPH	0.88	1.14	37	36	36
VTRNA	0.97	3.97	61	0	61
TILLARI	0.79	4.01	64	0	63
BHTGR/VEER	0.09	0.96	4	3	5
BHIRA T.R.	0.48	2.90	80	0	80
RNGR+BHTSA	0.05	0.29	3	2	
BHANDARDRA	0.34	2.25	15	14	15
ELDARY	0.00	0.00	0	0	
SMLHY PTN	1.22	7.43	59	48	15
GHATGHAR	0.75	4.40	235	0	
Total	5.59	27.35			275
Wind					
MalharPeth	0.98	6.68			
Vankuswadi	1.62	11.14			
ATIT	0.20	1.77			
Kale	0.60	4.53			
Satara	12.82	103.01			
Shirala	0.95	6.20			
K Mahankal	0.09	0.84			
Supa	0.22	6.04			
Vita	2.79	20.89			
Dondaicha	5.87	19.12			
Sakri	0.90	3.41			
Nandurbar	0.80	3.94			
Khandke	0.82	8.29			
Khaparale	1.11	4.72			
Total	29.77	200.58			
CPP					
JSW JAIGAD	26.44	161.73	1207	999	1095
WARDHA	4.34	23.99	206	174	204
Adani	13.79	66.29	660	423	617
Other CPPs	13.72	77.69			455
Total	58.29	329.70			2371
SOLAR					
Total	0.75	4.18			
Total	0.75	4.18			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.19	27.88	501	162	500
Trombay 6	3.71	20.12	157	154	500
Trombay 7A	2.46	15.17	115	79	120
Trombay 7B	1.51	9.17	67	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.79	40.89	326	0	447
Total	20.66	113.24			1627
REL					
1&2	12.35	74.04	524	453	500
Total	12.35	74.04			500
Cent Sect					
Share					4894
Total					4894
MS PG CL	Thermal	89.90	537.98		4426
	Thml+Gas	99.14	598.56		4886
	Hydro	22.45	71.42		1445
	Total	121.59	669.98		6331
State Total		244.18	1396.56		15723

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/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	4083	215	448	4746	1119	2357	0	3701	3464	-621	-873	10867	77	10944	2004	12948	50.06
2	3924	143	448	4515	1250	2172	0	3573	3515	-535	-771	10734	51	10785	1828	12613	49.98
3	3902	148	445	4495	1324	2070	0	3418	3585	-468	-808	10685	51	10736	1736	12472	50.01
4	3901	144	442	4487	1335	2106	0	3395	3293	-459	-777	10457	51	10508	1684	12192	49.98
5	3890	154	444	4488	1233	2162	0	3400	3432	-478	-692	10650	51	10701	1684	12385	49.99
6	3994	154	445	4593	1233	2297	0	3544	3711	-515	-602	11286	52	11338	1775	13113	49.91
7	4061	340	437	4838	1135	2547	0	3584	3926	-545	-557	11943	53	11996	1872	13868	49.90
8	4013	459	438	4910	1135	2489	12	3935	4311	-654	-730	12181	53	12234	1995	14229	49.92
9	3996	646	435	5077	1271	2465	44	4149	4315	-812	-839	12356	52	12408	2255	14663	49.89
10	3873	921	432	5226	1321	2418	60	4041	4178	-870	-956	12268	51	12319	2560	14879	49.90
11	3782	1006	428	5216	1239	2399	93	4120	4272	-1060	-1204	12025	51	12076	2798	14874	49.96
12	3773	1425	428	5626	1139	2437	114	3676	3867	-1074	-1209	11974	52	12026	2849	14875	49.91
13	3790	1403	424	5617	1190	2400	99	3563	3633	-1059	-1236	11725	103	11828	2848	14676	49.95
14	3760	1103	418	5281	1288	2420	95	3428	3561	-1027	-1199	11479	52	11531	2738	14269	49.96
15	3704	1053	422	5179	1373	2412	97	3508	3633	-969	-1165	11536	52	11588	2713	14301	49.86
16	3683	999	364	5046	1389	2439	68	3510	3768	-974	-1146	11591	51	11642	2688	14330	49.93
17	3676	1119	300	5095	1433	2474	46	3510	3357	-1009	-1127	11305	51	11356	2648	14004	49.93
18	3612	1278	295	5185	1312	2543	22	3420	3324	-979	-1161	11252	51	11303	2603	13906	49.94
19	3538	1279	286	5103	1340	2568	0	3916	3684	-928	-1070	11679	52	11731	2653	14384	49.81
20	3372	1873	291	5536	1012	2619	0	4739	5006	-867	-1216	13011	54	13065	2717	15782	49.87
21	3323	1859	291	5473	1138	2630	0	4442	4542	-851	-1150	12687	54	12741	2621	15362	49.93
22	3363	1846	293	5502	1154	2702	0	3848	4041	-866	-981	12438	53	12491	2469	14960	50.01
23	3478	1644	290	5412	1144	2548	0	3519	3294	-879	-918	11530	52	11582	2322	13904	49.93
24	3411	1242	294	4947	1263	2613	0	3436	3537	-793	-868	11505	52	11557	2205	13762	49.98
MUs	89.90	22.45	9.24	121.59	29.77	58.29	0.75	89.38	91.25	-19.29	-23.26	279.16	1.32	280.49	56.26	336.75	49.94

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/2014

Position as on 6.30 Hrs of 07/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		Continued.	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.	
CPP Adani U-4	660	27/08/2014	12.41		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 7	108	31/08/2014	06.45		Continued.	Gas Shortage.	
CPP VIPL U-2	300	01/09/2014	11.36	06/09/2014	15.31	Coal feeding problem.	
Chandrapur Unit 3	210	04/09/2014	03.13		Continued.	Boiler Tube Leakage	
Bhusawal Unit 3	210	04/09/2014	14.10		Continued.	Flame Failure	
Uran Unit 8	108	04/09/2014	19.33		Continued.	Gas Shortage	
Khaparkheda Unit 1	210	05/09/2014	10.17		Continued.	coal shortage	
Khaparkheda Unit 3	210	06/09/2014	19.17	06/09/2014	21.24	Low furnace pressure	
Chandrapur Unit 7	500	07/09/2014	02.46	07/09/2014	18.47	bearing vibration high	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 06/Sep/2014

Position as on 6.30 Hrs of 07/Sep/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Chandrapur Unit 6	500	07/09/2014	04.28		Continued.	UAT Problem.	
Koradi Unit 7	210	07/09/2014	12.30	07/09/2014	18.00	FD Fan Problem.	
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.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Sep/2014

Position as on 6.30 Hrs of 07/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Kalwa - Talegaon (PGCIL)	07/09/2014	10.03	07/09/2014	11.48	Hot spot on Y-Ph tube support insulator.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Boiser-Boiser(PGCIL)-I	07/09/2014	09.15	07/09/2014	12.25	Hot spot on wave trap.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane - II	19/08/2014	13.54		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	03/09/2014	18.15		Continued.	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
Padgha - Talegaon (PG)	06/09/2014	08.50	06/09/2014	17.19	Emergency hand tripped
Akola - Thaptitanda	06/09/2014	22.28		Continued.	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - IV	07/09/2014	17.02		Continued.	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.
Main Bus - I @ 400 KV Akola	05/09/2014	12.53	06/09/2014	01.41	bus extension work
400/220 KV 105 MVA Spare ICT - I at Nagothane.	05/09/2014	15.58	07/09/2014	17.37	Bushing replacement work
Khadka - Aurangabad	06/09/2014	09.55		Continued.	outage at khadka end
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
BBLSR-A"Nagar II	06/09/2014	09.50	06/09/2014	16.28	Q.M.Work
Parli GCR - Parli EXTN.II	07/09/2014	07.15	07/09/2014	11.14	To attend hot spot.
Parly - Harangool - I	07/09/2014	11.41	07/09/2014	1302	To attend hot spot.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kharghar-Nerul	07/09/2014	06.20	07/09/2014	08.53	To attend hot spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	25/08/2014	01.25		Continued.	Over Voltage.
Karad-Jaigad I	02/09/2014	18.04		Continued.	Over Voltage.
Bhusawal- Aurangabad	04/09/2014	12.11		Continued.	Over Voltage
Lonikand- Koyna Stage IV	05/09/2014	22.11	06/09/2014	07.35	over voltage
Lonikand- Koyna Stage IV	07/09/2014	00.16	07/09/2014	07.49	over voltage
Warora-Tiroda-I	07/09/2014	04.24		Continued.	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Apta-Taloja	06/09/2014	20.12	06/09/2014	22.30	sparking on conductor
Voltage Level : 500KV			Outage Type TRIPPED		
765 kv Wardha PG - Abad PG 2	05/09/2014	19.19	06/09/2014	11.18	Tripped Y-ph to E fault
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - II	04/09/2014	03.37		Continued.	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 06/Sep/2014

Position as on 6.30 Hrs of 07/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Warora-Chandrapur- II, Ckt II	07/09/2014	16.57		Continued.	Over Voltage.
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
Pedambe - Adlab	06/09/2014	08.35	06/09/2014	19.15	distance protection
Urse-Sahara	06/09/2014	20.11	06/09/2014	20.30	distance protection
Kandalgaon - Dasturi	07/09/2014	13.12	07/09/2014	13.45	Dist.Prot.
Lote - Dasturi	07/09/2014	13.12	07/09/2014	13.40	Dist.Prot.
null					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Aarey - Borivali-TPC	07/09/2014	09.38	07/09/2014	16.49	Annual bay maint work.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	130
	620	260
Bhusawal		
Unit 2	210	120
Unit 3	210	0
Unit 4	500	0
Unit 5	500	450
	1420	570
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	230
Unit 7	250	200
	1130	590
Chandrapur		
Unit 1	210	0
Unit 2	210	90
Unit 3	210	0
Unit 4	210	120
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	210
Paras		
Unit 3	250	0
Unit 4	250	230
	500	230
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	180
Unit 5	210	190
	630	550
Uran		
All Units	852	320
	852	320
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	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	15
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	1095
WARDHA	405	204
Adani	2640	617
Other CPPs	300	646
	4545	2562
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	250
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3793
	3455	3793

	21940	13267
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