



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

**State Load Dispatch Center,
Airoli**

Daily system Report

for

05/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Oct/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	108.687	559.246	1) Gujrat	11.514	51.828
2) Hydro	24.027	66.426	2) Madhya Pradesh	24.175	106.151
3) Gas	10.237	51.456	3) Chattisgarh	9.920	43.910
Total MSGENCO	142.951	677.128	4) Maharashtra Net	120.238	550.381
B) 1) JSW JAIGAD	27.929	138.139	(Incl. 765kV Solapur-Raichur)	-9.855	-56.606
2) WPCL	3.961	23.481	5) Goa	-7.514	-34.541
3) ADANI	27.760	194.910	6) TAPS 1&2 Injection	7.106	35.770
4) Other CPP / IPP	14.110	81.554	7) RGPPL Injection	0.000	0.000
5) Wind Generation	5.355	16.357	8) Pench (Excess)	-0.939	-4.663
6) PENCH (MS)	0.939	4.663	# Total Cent. Sector	164.500	748.836
7) SOLAR	0.916	5.094	F) Other Exchanges		
C) 1) TPCL Thermal	20.008	98.008	1) With TPCL (Excess)	-23.846	-124.572
2) TPCL Hydro	4.279	13.187	G) Bilateral Power *		
TOTAL TPCL	24.287	111.195	1) MSEDCL Bilateral	60.693	245.635
3) REL Thermal	6.177	53.170	Include PX	26.901	88.886
D) STATE			2) MUMBAI Bilateral	19.844	118.151
1) Thermal (A1+C1+C3)	134.872	710.424	Include PX	5.213	16.075
2) Hydro (A2+B6+C2)	29.245	84.276	3) MUMBAI Schedule	23.787	124.103
3) Gas (A3)	10.237	51.456	H) ENERGY CATERED (MUs)		
4) Wind (B5)	5.355	16.357	1) MSEDCL	364.575	1765.590
5) CPP/IPP (B1+B2+B3+B4)	73.760	438.084	2) TPCL	33.963	180.887
6) SOLAR (B7)	0.916	5.094	3) REL	20.346	108.072
TOTAL STATE	254.385	1305.691	TOTAL STATE	418.884	2054.549

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4614	5278	4283
MSGENCO Hydro	1687	1216	1135
MSGENCO Gas	418	422	433
MSGENCO Total Generation	6719	6916	5851
Central Sector Receipt	7530	7439	6066
WIND	135	53	394
CPP / IPP	3117	3110	3082
SOLAR	147	123	0
Exchange with Mumbai	-994	-981	-725
MSEDCL DEMAND MET	16699	16705	14699
Load Shedding	431	418	51
MSEDCL DEMAND	17130	17123	14750
TPCL GENERATION	1129	1153	940
R-INFRA GENERATION	258	258	257
TPCL+R-INFRA DEMAND	2381	2392	1922
STATE DEMAND MET	19080	19097	16621
STATE DEMAND	19511	19515	16672
Frequency (Hz)	49.85	49.83	49.86

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 18.02 Hrs	49.54 Hz at 22.06 Hrs	49.9	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 05/Oct/2014

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)	
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)		
Koradi						Total	23.59	61.03			1090	
Unit 5	0.00	0.00	0	0	0	Hydro						
Unit 6	0.00	12.36	0	0	0	KDPH	0.00	0.00	0	0		
Unit 7	3.50	14.67	160	125	130	VTRNA	0.00	0.13	0	0	0	
Total	3.50	27.03			130	TILLARI	0.00	0.43	0	0	0	
Bhusawal						BHTGR/VEER	0.00	0.00	0	0		
Unit 2	0.00	0.00	0	0	0	BHIRA T.R.	0.29	1.22	41	0	80	
Unit 3	0.00	7.52	0	0	0	RNGR+BHTSA	0.00	0.37	0	0		
Unit 4	4.84	37.12	345	0	350	BHANDARDRA	0.00	0.00	0	0		
Unit 5	8.68	40.27	500	310	340	ELDARY	0.08	0.08	13	0		
Total	13.52	84.91			690	SMLHY_PTN	0.07	0.58	11	0	11	
Parli						GHATGHAR	0.00	2.60	0	0		
Unit 3	0.00	0.00	0	0		Total	0.43	5.40			91	
Unit 4	3.30	12.65	146	126	130	Wind						
Unit 5	3.48	18.23	155	137	130	MalharPeth	0.10	0.44				
Unit 6	4.43	23.81	247	174	180	Vankuswadi	0.17	0.83				
Unit 7	4.38	23.98	247	120	180	ATIT	0.02	0.09				
Total	15.58	78.67			620	Kale	0.09	0.37				
Chandrapur						Satara	3.01	9.55				
Unit 1	0.00	0.00	0	0	0	Shirala	0.16	0.56				
Unit 2	3.43	12.97	154	128	140	K Mahankal	0.02	0.04				
Unit 3	4.01	16.39	171	157	180	Supa	0.13	0.28				
Unit 4	4.57	21.82	194	185	200	Vita	0.64	1.73				
Unit 5	8.26	44.58	410	310	350	Dondaicha	0.42	0.98				
Unit 6	7.99	40.89	395	272	350	Sakri	0.08	0.15				
Unit 7	8.36	42.71	409	312	350	Nandurbar	0.18	0.44				
Total	36.62	179.37			1570	Khandke	0.23	0.64				
Paras						Khaparale	0.12	0.25				
Unit 3	4.62	22.34	240	167	180	Total	5.36	16.36				
Unit 4	4.51	20.59	219	174	180	CPP						
Total	9.13	42.94			360	JSW_JAIGAD	27.93	138.14	1208	1131	1100	
Khaparkheda						WARDHA	3.96	23.48	167	163	165	
Unit 1	3.58	17.63	170	120	170	Adani	27.76	194.91	1220	1060	1234	
Unit 2	1.65	10.90	150	0	0	Other_CPPs	14.11	81.55			519	
Unit 3	4.11	19.80	188	146	170	Total	73.76	438.08			3018	
Unit 4	4.21	19.67	205	145	170	SOLAR						
Unit 5	8.36	37.55	403	300	350	Total	0.92	5.09				
Total	21.91	105.56			860	Total	0.92	5.09				
Nasik						Tata						
Unit 3	4.20	20.45	195	160	172	Trombay 4	0.00	0.00	0	0	0	
Unit 4	0.00	0.00	0	0	0	Trombay 5	11.93	57.81	501	483	500	
Unit 5	4.22	20.32	190	161	172	Trombay 6	3.72	18.65	156	155	500	
Total	8.42	40.78			344	Trombay 7A	2.75	13.58	115	114	120	
Uran						Trombay 7B	1.60	7.96	68	66	60	
All Units	10.24	51.46	438	418	440	Trombay 8	0.00	0.00	0	0	0	
Total	10.24	51.46			440	TATA Hydro	4.28	13.19	343	0	447	
PENCH (MS)						Total	24.29	111.20			1627	
Pench (MS)	0.94	4.66	47	20		REL						
Total	0.94	4.66				1&2	6.18	53.17	259	255	250	
Koyna						Total	6.18	53.17			250	
Stage 1-2	6.58	20.28	520	40	600	Cent Sect						
Stage 4	12.13	29.50	991	143	250	Share					7132	
Stage 3	4.88	11.26	240	86	240	Total					7132	
Koyna 12&4 Total	18.72	49.77			850	MS PG CL						
							Thermal	108.69	559.25			4574
							Thml+Gas	118.92	610.70			5014
							Hydro	24.03	66.43			1181
							Total	142.95	677.13			6195
							State Total	254.38	1305.69			18222

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 05/Oct/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 SHEDDING	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4343	1073	426	5842	323	3089	0	6126	6507	-1088	-1080	14726	80	14806	2317	17123	49.85
2	4283	1065	426	5774	328	3079	0	6118	6628	-975	-942	14913	51	14964	2131	17095	49.88
3	4302	1145	430	5877	350	3098	0	6012	6591	-884	-792	15154	51	15205	2001	17206	49.90
4	4283	1135	433	5851	394	3082	0	5775	6066	-835	-725	14699	51	14750	1922	16672	49.86
5	4317	1240	435	5992	390	3029	0	5568	6365	-794	-717	15090	51	15141	1886	17027	49.91
6	4303	1418	436	6157	409	3041	0	5806	6244	-772	-752	15144	187	15331	1922	17253	49.92
7	4350	1575	437	6362	390	3019	4	6091	6374	-755	-728	15468	321	15789	1907	17696	49.99
8	4418	1372	438	6228	310	2981	30	6204	6118	-749	-829	14885	321	15206	1919	17125	49.94
9	4473	446	432	5351	230	2969	70	6607	6657	-813	-798	14526	317	14843	2018	16861	49.85
10	4497	929	421	5847	202	3033	93	6781	7156	-923	-815	15563	307	15870	2171	18041	49.92
11	4435	1122	425	5982	161	3045	131	7134	7533	-1025	-981	15918	355	16273	2317	18590	49.84
12	4614	1687	418	6719	135	3117	147	7190	7530	-1068	-994	16699	431	17130	2381	19511	49.85
13	5174	1108	422	6704	69	3093	135	7126	7187	-1077	-989	16246	529	16775	2415	19190	49.80
14	5278	1216	422	6916	53	3110	123	6969	7439	-1051	-981	16705	418	17123	2392	19515	49.83
15	5287	1100	422	6809	50	3119	86	7286	7669	-1065	-1020	16760	221	16981	2454	19435	49.89
16	4942	1001	426	6369	88	3117	68	7170	7559	-1075	-1137	16109	182	16291	2482	18773	49.95
17	4559	785	425	5769	162	3148	20	6665	7048	-1086	-1148	15032	181	15213	2413	17626	50.05
18	4567	309	421	5297	228	3132	9	6594	6871	-1056	-1067	14490	214	14704	2325	17029	49.98
19	4507	445	422	5374	200	3131	0	6529	6972	-1079	-1125	14573	139	14712	2350	17062	49.98
20	4491	971	422	5884	175	3093	0	6857	7061	-1102	-1278	14970	166	15136	2511	17647	49.97
21	4401	629	422	5452	125	3071	0	6943	7289	-1105	-1223	14742	135	14877	2531	17408	49.93
22	4355	941	422	5718	126	3052	0	6248	6584	-1104	-1265	14240	85	14325	2532	16857	49.92
23	4274	878	426	5578	231	3051	0	6338	6264	-1142	-1290	13874	59	13933	2516	16449	49.82
24	4235	437	428	5100	226	3061	0	6562	6790	-1166	-1170	14052	59	14111	2497	16608	49.85
MUs	108.69	24.03	10.24	142.95	5.36	73.76	0.92	156.70	164.50	-23.79	-23.85	364.58	4.91	369.49	54.31	423.80	49.90

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 05/Oct/2014

Position as on 6.30 Hrs of 06/Oct/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	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
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.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Uran Unit 8	108	04/09/2014	19.33		Continued.	Gas Shortage	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
CPP Adani U-2	660	15/09/2014	11.28		Continued.	GT Blast(fire on Y-Ph).	
Nasik Unit 4	210	30/09/2014	13.00		Continued.	ID Fan Problem	
CPP IPL U-2	270	01/10/2014	08.10		Continued.	Coal Shortage	
CPP Adani U1	660	03/10/2014	08.11		Continued.	Gen. T/F R-Phase Bushing Replacement.	
Bhusawal Unit 3	210	03/10/2014	10.54		Continued.	Flame Failure.	
Khaparkheda Unit 2	210	03/10/2014	20.05	05/10/2014	11.08	Coal Shortage.	
REL 1	250	04/10/2014	13.33	06/10/2014	06.46	BTL	
Koradi Unit 6	210	04/10/2014	23.44	06/10/2014	06.25	Boiler validity work	
CPP VIPL U-2	300	05/10/2014	00.30		Continued.	CHP coal feeding prob.	
Bhusawal Unit 4	500	05/10/2014	15.48		Continued.	BTL	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Oct/2014

Position as on 6.30 Hrs of 06/Oct/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		
Kolhapur - Mapusa - I	04/10/2014	23.19	05/10/2014	09.56	over voltage
Kolhapur-Mapusa-II	05/10/2014	16.33		Continued.	over voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
400/220 KV 600 MVA ICT - IV @ Padgha	05/10/2014	22.48	06/10/2014	02.20	Emergency outage to Attend hot spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	05/10/2014	16.34		Continued.	over voltage
Khadka - Aurangabad	05/10/2014	17.45		Continued.	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Walunj-Deepnagar	04/10/2014	06.17	05/10/2014	17.50	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Pophali - Kandalgaon	04/10/2014	19.22	05/10/2014	04.40	distance protection
Kolhapur-Sawantwadi	05/10/2014	17.15	05/10/2014	20.31	distance protection

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 06/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			TILLARI	60	0
Unit 5	200	0	BHTGR/VEER	21	0
Unit 6	210	0	BHIRA T.R.	80	41
Unit 7	210	150	RNGR+BHTSA	20	0
	620	150	BHANDARDRA	45	0
Bhusawal			ELDARY	23	10
Unit 2	210	0	SMLHY_PTIN	12	14
Unit 3	210	0	GHATGHAR	250	0
Unit 4	500	0		611	65
Unit 5	500	350	Wind		
	1420	350	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	142	Kale	0	
Unit 5	210	147	Satara	0	
Unit 6	250	175	Shirala	0	
Unit 7	250	175	K Mahankal	0	
	1130	639	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	0	Dondaicha	0	
Unit 2	210	150	Sakri	0	
Unit 3	210	180	Nandurbar	0	
Unit 4	210	195	Khandke	0	
Unit 5	500	300	Khaparale	0	
Unit 6	500	325		0	
Unit 7	500	350	CPP		
	2340	1500	JSW_JAIGAD	1200	1100
Paras			WARDHA	405	225
Unit 3	250	180	Adani	2640	1234
Unit 4	250	180	Other_CPPs	300	524
	500	360		4545	3083
Khaparkheda			SOLAR		
Unit 1	210	170	Total	0	
Unit 2	210	170		0	
Unit 3	210	170	Tata		
Unit 4	210	170	Trombay 4	150	0
Unit 5	500	400	Trombay 5	500	500
	1340	1080	Trombay 6	500	500
Nasik			Trombay 7A	120	120
Unit 3	210	172	Trombay 7B	60	60
Unit 4	210	0	Trombay 8	250	0
Unit 5	210	172	TATA Hydro	444	447
	630	344		2024	1627
Uran			REL		
All Units	852	435	1&2	500	250
	852	435		500	250
PENCH (MS)			Cent Sect		
Pench (MS)	53		Share	3455	7419
	53			3455	7419
Koyna					
Stage 1-2	600	600			
Stage 4	1000	250			
Stage 3	320	240			
	1920	1090			
Hydro					
KDPH	40	0			
VTRNA	60	0			