



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Jun/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Jun/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.032	1164.177	1) Gujrat	5.018	31.180
2) Hydro	6.778	56.145	2) Madhya Pradesh	19.522	188.798
3) Gas	11.658	124.762	3) Chattisgarh	9.740	98.940
Total MSGENCO	131.468	1345.084	4) Maharashtra Net	84.292	928.570
B) 1) JSW JAIGAD	27.771	225.659	(Incl. 765kV Solapur-Raichur)	-0.005	7.394
2) WPCL	0.000	7.169	5) Goa	-6.234	-66.464
3) ADANI	42.437	377.739	6) TAPS 1&2 Injection	5.201	66.975
4) Other CPP / IPP	17.628	150.985	7) RGPPL Injection	0.000	0.000
5) Wind Generation	19.114	210.187	8) Pench (Excess)	-0.159	-2.137
6) PENCH (MS)	0.159	2.137	# Total Cent. Sector	117.380	1245.862
7) SOLAR	1.051	10.385	F) Other Exchanges		
C) 1) TPCL Thermal	21.093	199.504	1) With TPCL (Excess)	-27.730	-271.373
2) TPCL Hydro	5.870	42.740	G) Bilateral Power *		
TOTAL TPCL	26.963	242.244	1) MSEDCL Bilateral	23.236	261.759
3) REL Thermal	12.480	123.436	Include PX	-0.680	61.856
D) STATE			2) MUMBAI Bilateral	27.727	245.875
1) Thermal (A1+C1+C3)	146.605	1487.117	Include PX	3.956	52.738
2) Hydro (A2+B6+C2)	12.807	101.022	3) MUMBAI Schedule	27.991	249.018
3) Gas (A3)	11.658	124.762	H) ENERGY CATERED (MUs)		
4) Wind (B5)	19.114	210.187	1) MSEDCL	329.278	3303.834
5) CPP/IPP (B1+B2+B3+B4)	87.836	761.552	2) TPCL	42.513	401.882
6) SOLAR (B7)	1.051	10.385	3) REL	24.657	235.079
TOTAL STATE	279.071	2695.025	TOTAL STATE	396.448	3940.795

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5087	5190	4349
MSGENCO Hydro	684	714	130
MSGENCO Gas	432	429	580
MSGENCO Total Generation	6203	6333	5059
Central Sector Receipt	5272	5447	4829
WIND	443	516	725
CPP / IPP	3699	3666	3557
SOLAR	178	130	0
Exchange with Mumbai	-1357	-1443	-760
MSEDCL DEMAND MET	14461	14669	13410
Load Shedding	977	1167	337
MSEDCL DEMAND	15438	15836	13747
TPCL GENERATION	1394	1395	842
R-INFRA GENERATION	521	520	522
TPCL+R-INFRA DEMAND	3272	3358	2124
STATE DEMAND MET	17733	18027	15534
STATE DEMAND	18710	19194	15871
Frequency (Hz)	49.83	49.77	49.84

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 05.56 Hrs	49.33 Hz at 22.00 Hrs	49.84	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 10/Jun/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	3.52	35.28	165	134	155
Unit 7	3.53	38.07	170	130	145
Total	7.06	73.34			300
Bhusawal					
Unit 2	0.00	4.40	0	0	0
Unit 3	3.38	31.48	160	130	140
Unit 4	7.70	84.57	455	240	240
Unit 5	6.76	78.22	365	155	160
Total	17.83	198.67			540
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.71	33.76	163	140	165
Unit 5	2.75	2.75	155	0	60
Unit 6	5.25	46.41	250	175	186
Unit 7	5.24	46.15	250	175	185
Total	16.94	129.07			596
Chandrapur					
Unit 1	2.34	31.20	135	0	0
Unit 2	0.00	18.13	0	0	0
Unit 3	4.10	23.50	180	165	170
Unit 4	4.51	42.33	193	181	200
Unit 5	10.21	98.53	460	365	450
Unit 6	0.00	67.56	0	0	0
Unit 7	7.14	68.95	338	231	350
Total	28.29	350.20			1170
Paras					
Unit 3	4.05	30.13	238	112	250
Unit 4	5.70	54.44	260	204	250
Total	9.75	84.57			500
Khaparkheda					
Unit 1	0.00	14.12	0	0	0
Unit 2	3.62	35.70	165	130	160
Unit 3	3.98	40.59	183	149	170
Unit 4	3.82	23.22	181	140	170
Unit 5	8.45	86.48	458	320	350
Total	19.87	200.10			850
Nasik					
Unit 3	4.42	43.66	190	180	190
Unit 4	4.35	45.29	193	170	200
Unit 5	4.53	39.26	192	184	190
Total	13.30	128.22			580
Uran					
All Units	11.66	124.76	585	429	600
Total	11.66	124.76			600
PENCH (MS)					
Pench (MS)	0.16	2.14	23	0	
Total	0.16	2.14			
Koyna					
Stage 1-2	1.58	14.20	285	40	600
Stage 4	1.85	5.24	514	0	250
Stage 3	0.55	4.69	166	0	320
Kovna 12&4 Total	3.43	19.43			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.98	24.12			1170
Hydro					
KDPH	0.17	0.49	11	0	0
VTRNA	1.46	11.42	61	61	61
TILLARI	0.00	0.12	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.22	2.10	40	0	40
RNGR+BHTSA	0.25	2.31	11	10	0
BHANDARDRA	0.16	0.29	35	0	0
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.28	3.54	20	9	9
GHATGHAR	0.26	11.75	125	0	
Total	2.80	32.02			110
Wind					
MalharPeth	0.25	3.53			
Vankuswadi	0.50	4.64			
ATIT	0.09	0.93			
Kale	0.13	2.70			
Satara	9.77	71.77			
Shirala	0.18	4.03			
K Mahankal	0.08	0.69			
Supa	0.08	1.67			
Vita	2.47	17.63			
Dondaicha	4.30	71.62			
Sakri	0.47	9.81			
Nandurbar	0.31	7.02			
Khandke	0.36	5.48			
Khaparale	0.12	8.67			
Total	19.11	210.19			
CPP					
JSW JAIGAD	27.77	225.66	1212	986	1099
WARDHA	0.00	7.17	0	0	0
Adani	42.44	377.74	1870	1435	1823
Other CPPs	17.63	150.98			625
Total	87.84	761.55			3547
SOLAR					
Total	1.05	10.38			
Total	1.05	10.38			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.84	116.39	501	457	500
Trombay 6	4.77	40.73	344	154	500
Trombay 7A	2.86	27.42	122	117	120
Trombay 7B	1.62	14.96	69	67	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.87	42.74	441	0	447
Total	26.96	242.24			1627
REL					
1&2	12.48	123.44	523	516	500
Total	12.48	123.44			500
Cent Sect					
Share					4955
Total					4955
MS PG CL	Thermal	113.03	1164.18		4536
	Thml+Gas	124.69	1288.94		5136
	Hydro	6.78	56.14		1280
	Total	131.47	1345.08		6416
State Total		279.07	2695.02		17045

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/Jun/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	4478	125	576	5179	777	3673	0	4656	5186	-1145	-1150	13665	150	13815	2658	16473	49.88
2	4488	125	576	5189	815	3687	0	4577	4884	-1044	-993	13582	219	13801	2473	16274	49.91
3	4428	120	576	5124	757	3613	0	4467	4974	-952	-906	13562	246	13808	2288	16096	49.97
4	4347	135	577	5059	756	3701	0	4459	5361	-869	-808	14069	255	14324	2172	16496	49.95
5	4349	130	580	5059	725	3557	0	4515	4829	-823	-760	13410	337	13747	2124	15871	49.84
6	4354	120	585	5059	654	3591	0	4528	4976	-824	-780	13500	453	13953	2142	16095	49.81
7	4380	140	582	5102	651	3435	2	4496	4244	-772	-784	12650	1024	13674	2144	15818	49.96
8	4606	125	573	5304	497	3562	16	4527	4627	-775	-810	13196	989	14185	2206	16391	49.93
9	4786	159	486	5431	541	3555	52	4529	4979	-847	-840	13718	1354	15072	2461	17533	49.85
10	4784	211	441	5436	656	3729	96	4831	4317	-1285	-1284	12950	1082	14032	2843	16875	49.88
11	4739	207	435	5381	714	3739	132	4972	4962	-1498	-1339	13589	898	14487	3121	17608	49.86
12	4769	363	434	5566	537	3785	112	5021	5287	-1491	-1334	13953	1030	14983	3224	18207	49.78
13	5087	684	432	6203	443	3699	178	5034	5272	-1491	-1357	14461	977	15438	3272	18710	49.83
14	5153	566	433	6152	413	3709	120	5073	5265	-1443	-1371	14311	935	15246	3287	18533	49.90
15	5190	714	429	6333	516	3666	130	5126	5447	-1512	-1443	14669	1167	15836	3358	19194	49.77
16	4882	972	430	6284	725	3359	104	5019	5111	-1516	-1391	14209	1361	15570	3365	18935	49.67
17	4863	544	441	5848	912	3676	71	5063	5185	-1457	-1388	14304	1179	15483	3347	18830	49.77
18	4872	211	430	5513	1061	3760	30	4728	4244	-1330	-1321	13287	975	14262	3238	17500	49.94
19	4891	142	444	5477	1104	3713	8	4156	4298	-1178	-1350	13262	562	13824	3021	16845	49.94
20	4873	143	438	5454	959	3486	0	4790	4829	-1262	-1340	13411	686	14097	2992	17089	49.75
21	4721	147	438	5306	1077	3858	0	4595	4760	-1073	-1164	13860	494	14354	2900	17254	49.76
22	4676	176	440	5292	1352	3742	0	4589	4689	-1077	-1228	13848	355	14203	2833	17036	49.72
23	4643	179	437	5259	1346	3761	0	4626	4700	-1136	-1251	13815	242	14057	2839	16896	49.60
24	4676	340	445	5461	1126	3780	0	4746	4954	-1190	-1338	14000	184	14184	2865	17049	49.85
MUs	113.04	6.78	11.66	131.47	19.11	87.84	1.05	113.12	117.38	-27.99	-27.73	329.28	17.15	346.44	67.17	413.61	49.84

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 10/Jun/2014

Position as on 6.30 Hrs of 11/Jun/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	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
Koyna Stage 4	1000	04/06/2014	21.25		Continued.	aanual maintance	
Khaparkheda Unit 1	210	05/06/2014	04.59		Continued.	C.O.H.	
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 WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
Parli Unit 5	210	26/05/2014	22.34	10/06/2014	02.05	Coal Shortage.	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
CPP IPL U-2	270	01/06/2014	10.42		Continued.	BLR T/L.	
Bhusawal Unit 2	210	02/06/2014	09.02		Continued.	Air Heater Problem.	
CPP WPCL U-3	135	04/06/2014	00.12		Continued.	Coal Shortage.	
Cent_Sect TARAPUR-3	540	07/06/2014	18.36		Continued.	Maint.work	
Cent_Sect Tarapur 2	160	08/06/2014	20.09	10/06/2014	03.19	Maint.work	
Chandrapur Unit 6	500	09/06/2014	01.50		Continued.	Boiler Tube Leakage	
Chandrapur Unit 2	210	09/06/2014	03.21		Continued.	Boiler Tube Leakage	
CPP Adani U-2	660	09/06/2014	18.54		Continued.	Turbine Vibration.	
Chandrapur Unit 1	210	10/06/2014	01.52	10/06/2014	06.44	Electrical Fault.	
Uran Unit 8	108	10/06/2014	08.42		Continued.	Gas Shortage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Jun/2014

Position as on 6.30 Hrs of 11/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalmeshwar - Pandurna	10/06/2014	09.45	10/06/2014	14.59	Line Maint.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	09/06/2014	16.43	10/06/2014	10.45	Over Voltage.
Dhule-Sar'Sarovar - I	09/06/2014	18.04	10/06/2014	09.04	Over Voltage.
Kolhapur - Mapusa - II	10/06/2014	17.24		Continued.	Over Voltage.
Voltage Level : 500KV			Outage Type TRIPPED		
765KV Akola II - Tiroda - I	10/06/2014	15.58	10/06/2014	19.04	Dist.Prot. Y Ph Earth.
Voltage Level : 400KV			Outage Type TRIPPED		
Talegaon(PG) - Parli (PG) - I	04/06/2014	17.36		Continued.	Dist Prot.10Nos tower collapsed
Talegaon (PG - Parli (PG) - II	04/06/2014	17.36		Continued.	Dist Prot.10Nos tower collapsed
A'bad-Talegaon PG-1	09/06/2014	19.51	10/06/2014	07.17	Tripped on R & B Ph Fault.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT-II @ Chandrapur	10/06/2014	09.21	10/06/2014	20.39	Repl.of NDR Relay & P.M.Work.
400/220KV,500 MVA ICT-III at Kolhapur	10/06/2014	16.58	10/06/2014	20.36	NDR Relay Retrofitting.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/110 KV 200 MVA T/F - I @ Mudsinghi	07/06/2014	16.00		Continued.	Neutral problem(Kept on Humming)
220/100 KV 100 MVA ICT - I @ Versova	10/06/2014	07.19	10/06/2014	09.29	Premansoon Maint.Work.
Khapakheda - Koulawada - II	10/06/2014	07.37	10/06/2014	14.35	Replacement of Bolted Type Jumps to LA,CT & WT.
220/100 KV,200 MVA ICT-I @ Apta	10/06/2014	10.00	10/06/2014	12.08	Premansoon Maint.Work.
220/100 KV 100 MVA ICT - II @ Versova	10/06/2014	10.18	10/06/2014	12.12	Premansoon Maint.Work.
Nagothane-PASCO	10/06/2014	10.37	10/06/2014	16.46	Line Maint.Work.
Mudshingi - Chikodi	10/06/2014	11.10	10/06/2014	19.25	Relay Testing.
220/100 KV 200 MVA ICT-II @ Apta	10/06/2014	13.26	10/06/2014	16.26	Premansoon Maint.Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Padgha - Kharghar	11/06/2014	04.02		Continued.	Urgent Refixing of Earth Wire in Suspension Clamp.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	09/06/2014	16.34	10/06/2014	10.38	Over Voltage.
Karad-Jaigad I	09/06/2014	18.09	10/06/2014	10.42	Over Voltage.
Bhusawal- Aurangabad	09/06/2014	19.08	10/06/2014	08.19	Over Voltage.
Karad - Kolhapur - II	10/06/2014	17.08		Continued.	Over Voltage.
Bhusawal- Aurangabad	10/06/2014	18.45		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Badnera - Deoli (PGCIL)	09/06/2014	10.38		Continued.	By WRLDC FOR O/D Control.
Boiser-PGCIL-I	10/06/2014	05.26	10/06/2014	06.37	Emergency Outage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Jun/2014

Position as on 6.30 Hrs of 11/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
Deepnagar-Tapitatanda	10/06/2014	17.28	10/06/2014	18.26	R Ph to Earth,Dist.Prot.Transient Fault.
400/220KV 315MVA ICT- I @ Chandrapur	10/06/2014	18.31	10/06/2014	18.55	Back Up O/C E/F.
Voltage Level : 220KV			Outage Type TRIPPED		
Chikhali - Jalna - II	08/06/2014	00.53		Continued.	Distance Protection(Charged from Jalna end only at 21.00Hrs)
Chandrapur - Grace Industries	10/06/2014	18.29	10/06/2014	18.35	Dist.Prot.Opwerated Z-I R Ph.
Voltage Level : 132KV			Outage Type TRIPPED		
Asgaon-Bramhapuri	10/06/2014	18.22	10/06/2014	18.40	Distance Protection Operated Z-I R Ph to Earth.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Jun/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	160
	620	320
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	310
Unit 5	500	310
	1420	770
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	150
Unit 6	250	175
Unit 7	250	175
	1130	650
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	180
Unit 4	210	200
Unit 5	500	450
Unit 6	500	0
Unit 7	500	300
	2340	1270
Paras		
Unit 3	250	180
Unit 4	250	220
	500	400
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	850
Nasik		
Unit 3	210	190
Unit 4	210	200
Unit 5	210	190
	630	580
Uran		
All Units	852	450
	852	450
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	11
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	
BHTGR/VEER	21	
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	35
ELDARY	23	
SMLHY PTN	12	9
GHATGHAR	250	
	611	166
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	1100
WARDHA	405	0
Adani	2640	1823
Other CPPs	300	625
	4545	3548
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5848
	3455	5848