



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Jun/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Jun/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.196	1051.145	1) Gujrat	5.521	26.162
2) Hydro	5.558	49.367	2) Madhya Pradesh	19.324	169.276
3) Gas	13.808	113.104	3) Chattisgarh	9.730	89.200
Total MSGENCO	132.562	1213.616	4) Maharashtra Net	87.924	844.278
B) 1) JSW JAIGAD	27.578	197.888	(Incl. 765kV Solapur-Raichur)	-0.217	7.399
2) WPCL	0.000	7.169	5) Goa	-6.272	-60.230
3) ADANI	44.002	335.302	6) TAPS 1&2 Injection	3.671	61.774
4) Other CPP / IPP	17.848	133.357	7) RGPPL Injection	0.000	0.000
5) Wind Generation	26.724	191.073	8) Pench (Excess)	-0.076	-1.978
6) PENCH (MS)	0.076	1.978	# Total Cent. Sector	119.822	1128.482
7) SOLAR	0.868	9.334	F) Other Exchanges		
C) 1) TPCL Thermal	20.409	178.411	1) With TPCL (Excess)	-28.571	-243.643
2) TPCL Hydro	5.579	36.870	G) Bilateral Power *		
TOTAL TPCL	25.988	215.281	1) MSEDCL Bilateral	23.154	238.523
3) REL Thermal	12.473	110.956	Include PX	4.977	62.536
D) STATE			2) MUMBAI Bilateral	26.507	218.148
1) Thermal (A1+C1+C3)	146.078	1340.512	Include PX	5.326	48.781
2) Hydro (A2+B6+C2)	11.213	88.215	3) MUMBAI Schedule	26.597	221.027
3) Gas (A3)	13.808	113.104	H) ENERGY CATERED (MUs)		
4) Wind (B5)	26.724	191.073	1) MSEDCL	340.909	2974.556
5) CPP/IPP (B1+B2+B3+B4)	89.428	673.716	2) TPCL	42.598	359.369
6) SOLAR (B7)	0.868	9.334	3) REL	24.351	210.422
TOTAL STATE	288.119	2415.954	TOTAL STATE	407.858	3544.347

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4862	4723	4555
MSGENCO Hydro	571	314	124
MSGENCO Gas	564	561	585
MSGENCO Total Generation	5997	5598	5264
Central Sector Receipt	6177	5571	4382
WIND	833	731	1314
CPP / IPP	3801	3809	3537
SOLAR	126	62	0
Exchange with Mumbai	-1409	-1381	-819
MSEDCL DEMAND MET	15545	14390	13678
Load Shedding	754	1621	345
MSEDCL DEMAND	16299	16011	14023
TPCL GENERATION	1356	1387	829
R-INFRA GENERATION	520	520	521
TPCL+R-INFRA DEMAND	3285	3288	2169
STATE DEMAND MET	18830	17678	15847
STATE DEMAND	19584	19299	16192
Frequency (Hz)	49.74	49.83	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 17.56 Hrs	49.56 Hz at 14.05 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 09/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	3.47	31.75	156	130	150
Unit 7	3.65	34.54	170	135	140
Total	7.12	66.29			290
Bhusawal					
Unit 2	0.00	4.40	0	0	0
Unit 3	3.10	28.11	160	115	130
Unit 4	8.16	76.87	475	290	300
Unit 5	7.73	71.46	355	285	290
Total	18.98	180.84			720
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.80	30.06	175	137	160
Unit 5	0.00	0.00	0	0	0
Unit 6	5.11	41.16	250	173	187
Unit 7	5.11	40.91	250	176	185
Total	14.02	112.13			532
Chandrapur					
Unit 1	3.16	28.86	137	128	150
Unit 2	0.50	18.13	157	0	0
Unit 3	3.86	19.40	174	144	175
Unit 4	2.52	37.82	195	0	200
Unit 5	10.36	88.32	450	389	450
Unit 6	0.66	67.56	403	0	0
Unit 7	7.36	61.81	336	261	350
Total	28.41	321.91			1325
Paras					
Unit 3	4.41	26.08	230	120	180
Unit 4	5.92	48.74	263	224	250
Total	10.33	74.82			430
Khaparkheda					
Unit 1	0.00	14.12	0	0	0
Unit 2	3.76	32.07	180	135	160
Unit 3	4.05	36.60	192	141	170
Unit 4	4.10	19.40	203	141	170
Unit 5	9.06	78.04	495	320	350
Total	20.97	180.23			850
Nasik					
Unit 3	4.40	39.25	190	180	190
Unit 4	4.49	40.94	195	171	200
Unit 5	4.48	34.73	194	178	190
Total	13.36	114.92			580
Uran					
All Units	13.81	113.10	588	561	600
Total	13.81	113.10			600
PENCH (MS)					
Pench (MS)	0.08	1.98	20	0	
Total	0.08	1.98			
Koyna					
Stage 1-2	1.10	12.62	65	40	600
Stage 4	0.00	3.38	0	0	250
Stage 3	0.47	4.14	156	0	320
Kovna 12&4 Total	1.10	16.00			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.57	20.14			1170
Hydro					
KDPH	0.00	0.32	0	0	0
VTRNA	0.90	9.96	61	0	61
TILLARI	0.00	0.12	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.10	1.88	40	0	40
RNGR+BHTSA	0.24	2.06	11	10	0
BHANDARDRA	0.12	0.12	6	5	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.26	3.26	19	8	9
GHATGHAR	2.36	11.49	250	0	0
Total	3.99	29.22			110
Wind					
MalharPeth	0.32	3.28			
Vankuswadi	0.51	4.14			
ATIT	0.11	0.84			
Kale	0.27	2.56			
Satara	9.79	62.00			
Shirala	0.46	3.85			
K Mahankal	0.10	0.61			
Supa	0.04	1.59			
Vita	2.62	15.15			
Dondaicha	8.95	67.32			
Sakri	1.24	9.35			
Nandurbar	0.89	6.70			
Khandke	0.50	5.12			
Khaparale	0.90	8.55			
Total	26.72	191.07			
CPP					
JSW JAIGAD	27.58	197.89	1220	972	1099
WARDHA	0.00	7.17			0
Adani	44.00	335.30	2230	1683	1823
Other CPPs	17.85	133.36			620
Total	89.43	673.72			3542
SOLAR					
Total	0.87	9.33			
Total	0.87	9.33			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.84	104.55	500	455	500
Trombay 6	4.15	35.96	260	150	500
Trombay 7A	2.81	24.56	121	114	120
Trombay 7B	1.60	13.34	69	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.58	36.87	446	0	447
Total	25.99	215.28			1627
REL					
1&2	12.47	110.96	522	517	500
Total	12.47	110.96			500
Cent Sect					
Share					5675
Total					5675
MS PG CL	Thermal	113.20	1051.14		4727
	Thml+Gas	127.00	1164.25		5327
	Hydro	5.56	49.37		1280
	Total	132.56	1213.62		6607
State Total		288.12	2415.95		17951

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/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	5091	129	584	5804	1606	3726	0	4892	4872	-1010	-1169	14839	107	14946	2644	17590	49.90
2	4917	129	581	5627	1541	3689	0	4767	4585	-914	-1093	14349	117	14466	2467	16933	49.97
3	4616	124	583	5323	1533	3662	0	4560	4802	-878	-980	14340	221	14561	2337	16898	50.03
4	4565	149	586	5300	1466	3554	0	4361	4704	-806	-866	14158	260	14418	2223	16641	50.03
5	4555	124	585	5264	1314	3537	0	4396	4382	-815	-819	13678	345	14023	2169	16192	49.93
6	4554	124	588	5266	1240	3462	0	4544	4625	-857	-814	13779	490	14269	2163	16432	49.97
7	4560	125	583	5268	1149	3541	9	4553	4680	-726	-789	13858	867	14725	2141	16866	49.99
8	4741	135	581	5457	1226	3596	24	4558	4194	-736	-816	13681	878	14559	2236	16795	49.91
9	4657	134	568	5359	1255	3670	48	4898	5059	-1056	-1029	14362	775	15137	2544	17681	49.85
10	4732	234	572	5538	1198	3713	97	5465	5454	-1249	-1267	14739	564	15303	2928	18231	49.75
11	4780	531	567	5878	920	3718	116	5760	6047	-1350	-1438	15258	599	15857	3215	19072	49.81
12	4862	571	564	5997	833	3801	126	5792	6177	-1341	-1409	15545	754	16299	3285	19584	49.74
13	5063	413	571	6047	852	3775	121	5536	5453	-1308	-1381	14880	935	15815	3284	19099	49.76
14	4991	244	569	5804	753	3701	102	5347	5252	-1311	-1346	14283	849	15132	3211	18343	49.85
15	4950	254	566	5770	750	3728	87	5490	5818	-1369	-1436	14720	975	15695	3259	18954	49.70
16	4723	314	561	5598	731	3809	62	5544	5571	-1393	-1381	14390	1621	16011	3288	19299	49.83
17	4705	353	570	5628	1042	3896	43	5214	5426	-1347	-1381	14654	1123	15777	3265	19042	49.94
18	4603	245	575	5423	1120	4035	26	4540	4355	-1267	-1371	13588	962	14550	3140	17690	50.05
19	4582	84	571	5237	1263	4062	7	4005	4127	-1162	-1320	13376	463	13839	3013	16852	50.03
20	4649	224	566	5439	1222	3804	0	4613	4392	-1226	-1303	13554	652	14206	2933	17139	49.83
21	4613	275	580	5468	1131	3754	0	4507	4811	-1041	-1282	13882	470	14352	2864	17216	49.95
22	4606	239	580	5425	1134	3681	0	4535	4672	-1069	-1292	13620	285	13905	2797	16702	49.97
23	4567	232	579	5378	873	3884	0	4640	5179	-1175	-1293	14021	175	14196	2810	17006	49.90
24	4514	172	578	5264	572	3630	0	4705	5185	-1191	-1296	13355	138	13493	2816	16309	49.89
MUs	113.20	5.56	13.81	132.56	26.72	89.43	0.87	117.22	119.82	-26.60	-28.57	340.91	14.62	355.53	67.03	422.57	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 09/Jun/2014

Position as on 6.30 Hrs of 10/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 Adani U-2	660	30/05/2014	18.22	09/06/2014	15.20	Boiler Tube Leakage	
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	
Chandrapur Unit 4	210	09/06/2014	08.28	09/06/2014	16.10	Furnace Pressure High.	
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.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Jun/2014

Position as on 6.30 Hrs of 10/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	07/06/2014	17.03	09/06/2014	10.24	Over Voltage
Kolhapur-Mapusa-II	09/06/2014	16.43		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	09/06/2014	18.04		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Vasai-Boiser(PG)	09/06/2014	14.31	09/06/2014	17.48	By WRLDC For O/D Control.
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
Aurangabad (M) 400KV Aurangabad (PG) - I	09/06/2014	11.22	09/06/2014	11.40	Tripped from A'bad End Only.
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		
400/220KV 500MVA ICT-II at Warora	09/06/2014	10.35	09/06/2014	18.05	Installation Work of NDR Relay.
400/220 KV 500 MVA ICT - I @ Warora	09/06/2014	10.35	09/06/2014	18.05	Installation Work of NDR Relay.
Chandrapur II-Dhariwal Ckt II	09/06/2014	11.19	09/06/2014	16.59	Tree Cutting Work.
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)
Khaparkheda-Kawlewada-I	09/06/2014	07.31	09/06/2014	18.17	Replacement of Earth Wire.
Newkoyna -Lote-Parsuram	09/06/2014	10.10	09/06/2014	18.07	Q.M.& Premansoon Maint. Work.
Apta-Uran-II	09/06/2014	10.14	09/06/2014	17.40	Attend R,Y,B Ph CT Hot Spot @ Uran End.
Miraj - Tilwani	09/06/2014	10.20	09/06/2014	13.54	Attend Hot Spot on R Ph W/T.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Karad Mudsingi-II	09/06/2014	19.48	09/06/2014	21.15	Attending Red Hot @ R Ph Jaw Side Palm of Main Bus-2 Bus Iso.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	08/06/2014	16.29	09/06/2014	08.40	Over Voltage
Karad-Jaigad I	08/06/2014	16.40	09/06/2014	08.47	Over Voltage
Bhusawal- Aurangabad	08/06/2014	17.23	09/06/2014	07.43	Over Voltage
Karad-Kolhapur-II	09/06/2014	16.34		Continued.	Over Voltage.
Karad-Jaigad I	09/06/2014	18.09		Continued.	Over Voltage.
Bhusawal- Aurangabad	09/06/2014	19.08		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.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	01/06/2014	16.00	09/06/2014	10.52	Over Voltage.
Chandrapur - Parli - III	09/06/2014	10.24	09/06/2014	13.29	Distance Protection B Ph to Earth.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Jun/2014

Position as on 6.30 Hrs of 10/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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)
Voltage Level : 132KV			Outage Type TRIPPED		
Sawangi-Harsool	09/06/2014	20.53	09/06/2014	23.25	Distance Protection Operated Z-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Jun/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	145
	620	300
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	240
Unit 5	500	160
	1420	540
Parli		
Unit 3	210	0
Unit 4	210	165
Unit 5	210	60
Unit 6	250	186
Unit 7	250	185
	1130	596
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	170
Unit 4	210	200
Unit 5	500	450
Unit 6	500	0
Unit 7	500	350
	2340	1170
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
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	600
	852	600
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	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	9
GHATGHAR	250	
	611	110
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	1099
WARDHA	405	0
Adani	2640	1823
Other CPPs	300	625
	4545	3547
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	4955
	3455	4955