



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Jun/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Jun/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	119.950	819.096	1) Gujrat	0.486	16.978
2) Hydro	5.559	38.719	2) Madhya Pradesh	18.317	131.152
3) Gas	12.105	85.370	3) Chattisgarh	10.430	70.010
Total MSGENCO	137.614	943.185	4) Maharashtra Net	85.850	676.078
B) 1) JSW JAIGAD	26.748	143.718	(Incl. 765kV Solapur-Raichur)	0.304	7.181
2) WPCL	0.000	7.169	5) Goa	-7.360	-48.260
3) ADANI	42.568	248.315	6) TAPS 1&2 Injection	7.375	51.532
4) Other CPP / IPP	13.100	97.920	7) RGPPL Injection	0.000	0.000
5) Wind Generation	22.788	137.417	8) Pench (Excess)	-0.047	-1.805
6) PENCH (MS)	0.047	1.805	# Total Cent. Sector	115.051	895.685
7) SOLAR	0.857	7.435	F) Other Exchanges		
C) 1) TPCL Thermal	18.951	138.770	1) With TPCL (Excess)	-28.089	-192.627
2) TPCL Hydro	3.947	30.192	G) Bilateral Power *		
TOTAL TPCL	22.898	168.962	1) MSEDCL Bilateral	24.453	188.707
3) REL Thermal	12.048	86.111	Include PX	2.783	54.752
D) STATE			2) MUMBAI Bilateral	22.460	169.463
1) Thermal (A1+C1+C3)	150.949	1043.977	Include PX	3.489	41.628
2) Hydro (A2+B6+C2)	9.553	70.716	3) MUMBAI Schedule	22.460	172.251
3) Gas (A3)	12.105	85.370	H) ENERGY CATERED (MUs)		
4) Wind (B5)	22.788	137.417	1) MSEDCL	330.684	2290.022
5) CPP/IPP (B1+B2+B3+B4)	82.416	497.122	2) TPCL	39.767	282.580
6) SOLAR (B7)	0.857	7.435	3) REL	23.268	165.119
TOTAL STATE	278.668	1842.037	TOTAL STATE	393.719	2737.721

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5077	5150	4784
MSGENCO Hydro	395	343	149
MSGENCO Gas	479	564	429
MSGENCO Total Generation	5951	6057	5362
Central Sector Receipt	5730	5524	4141
WIND	630	840	1149
CPP / IPP	3496	3570	3017
SOLAR	124	75	0
Exchange with Mumbai	-1348	-1360	-1029
MSEDCL DEMAND MET	14583	14706	12640
Load Shedding	199	549	110
MSEDCL DEMAND	14782	15255	12750
TPCL GENERATION	1188	1192	669
R-INFRA GENERATION	519	513	432
TPCL+R-INFRA DEMAND	3055	3065	2130
STATE DEMAND MET	17638	17771	14770
STATE DEMAND	17837	18320	14880
Frequency (Hz)	49.95	49.91	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 05.55 Hrs	49.64 Hz at 15.13 Hrs	49.97	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 07/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	3.37	24.82	150	135	140
Unit 7	3.62	27.45	170	137	150
Total	6.99	52.27			290
Bhusawal					
Unit 2	0.00	4.40	0	0	0
Unit 3	3.20	21.84	160	125	135
Unit 4	8.48	60.62	500	300	305
Unit 5	7.86	56.04	375	305	320
Total	19.54	142.90			760
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.74	22.25	166	140	155
Unit 5	0.00	0.00	0	0	0
Unit 6	4.44	31.40	234	173	175
Unit 7	4.39	31.22	225	164	175
Total	12.56	84.88			505
Chandrapur					
Unit 1	3.13	22.62	140	125	135
Unit 2	3.75	15.02	166	149	155
Unit 3	0.00	14.81	0	0	0
Unit 4	4.63	30.80	204	160	200
Unit 5	10.03	67.90	460	375	425
Unit 6	8.70	58.55	400	290	400
Unit 7	7.38	47.62	387	265	300
Total	37.62	257.31			1615
Paras					
Unit 3	4.80	16.67	224	173	220
Unit 4	5.47	37.30	250	200	240
Total	10.27	53.97			460
Khaparkheda					
Unit 1	0.00	14.12	0	0	0
Unit 2	3.71	24.48	165	145	160
Unit 3	4.09	28.29	175	162	170
Unit 4	3.76	11.13	163	148	170
Unit 5	8.43	61.45	400	320	350
Total	19.99	139.47			850
Nasik					
Unit 3	4.26	30.56	185	170	190
Unit 4	4.38	31.93	190	168	200
Unit 5	4.34	25.82	191	170	190
Total	12.97	88.30			580
Uran					
All Units	12.10	85.37	588	427	450
Total	12.10	85.37			450
PENCH (MS)					
Pench (MS)	0.05	1.80	27	0	
Total	0.05	1.80			
Koyna					
Stage 1-2	1.06	10.44	60	40	600
Stage 4	0.51	3.38	242	0	250
Stage 3	0.33	3.30	80	0	320
Kovna 12&4 Total	1.57	13.82			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.89	17.12			1170
Hydro					
KDPH	0.00	0.32	0	0	0
VTRNA	1.38	7.93	61	31	61
TILLARI	0.00	0.12	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.25	1.62	40	0	40
RNGR+BHTSA	0.00	1.57	0	0	10
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.84	2.88	41	32	9
GHATGHAR	1.19	7.16	250	0	0
Total	3.67	21.60			120
Wind					
MalharPeth	0.36	2.56			
Vankuswadi	0.45	3.00			
ATIT	0.07	0.62			
Kale	0.32	1.94			
Satara	7.00	42.60			
Shirala	0.42	2.88			
K Mahankal	0.07	0.39			
Supa	0.21	1.21			
Vita	1.21	9.81			
Dondaicha	8.79	49.90			
Sakri	1.22	6.91			
Nandurbar	0.93	4.96			
Khandke	0.68	4.11			
Khaparale	1.07	6.53			
Total	22.79	137.42			
CPP					
JSW JAIGAD	26.75	143.72	1213	933	825
WARDHA	0.00	7.17	0	0	0
Adani	42.57	248.32	1875	1622	1823
Other CPPs	13.10	97.92			705
Total	82.42	497.12			3353
SOLAR					
Total	0.86	7.44			
Total	0.86	7.44			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.19	81.07	502	319	500
Trombay 6	3.77	28.07	159	155	500
Trombay 7A	2.75	18.99	115	114	120
Trombay 7B	1.24	10.64	66	35	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.95	30.19	386	0	447
Total	22.90	168.96			1627
REL					
1&2	12.05	86.11	522	432	500
Total	12.05	86.11			500
Cent Sect					
Share					5888
Total					5888
MS PG CL	Thermal	119.95	819.10		5060
	Thml+Gas	132.06	904.47		5510
	Hydro	5.56	38.72		1290
	Total	137.61	943.18		6800
State Total		278.67	1842.04		18168

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/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	4879	133	429	5441	994	3374	0	5122	5203	-1101	-1201	13811	112	13923	2603	16526	50.00
2	4923	133	429	5485	965	3344	0	4966	4713	-978	-1033	13474	110	13584	2395	15979	50.01
3	4846	134	429	5409	1247	3432	0	4697	4350	-849	-937	13501	110	13611	2251	15862	50.06
4	4784	149	429	5362	1149	3017	0	4350	4141	-745	-1029	12640	110	12750	2130	14880	50.02
5	4768	139	428	5335	1036	3076	0	4262	4382	-687	-983	12846	98	12944	2073	15017	49.94
6	4774	134	428	5336	879	3120	0	4523	4799	-668	-983	13151	115	13266	2077	15343	50.03
7	4915	134	427	5476	827	3347	5	4442	4106	-621	-858	12903	242	13145	2049	15194	50.05
8	4961	154	429	5544	965	3376	20	4515	3861	-620	-847	12919	230	13149	2144	15293	50.03
9	5048	148	434	5630	579	3416	56	4635	4560	-766	-1020	13221	275	13496	2355	15851	49.99
10	5001	188	428	5617	500	3615	63	5217	4900	-1002	-1176	13519	270	13789	2682	16471	49.96
11	4956	237	443	5636	466	3470	93	5742	5338	-1236	-1293	13710	225	13935	2964	16899	49.87
12	5077	395	479	5951	630	3496	124	5834	5730	-1267	-1348	14583	199	14782	3055	17837	49.95
13	5120	421	562	6103	600	3361	121	5728	5518	-1265	-1330	14373	265	14638	3066	17704	49.95
14	5153	255	560	5968	631	3398	114	5514	5824	-1137	-1330	14605	251	14856	3004	17860	49.94
15	5362	422	558	6342	736	3547	112	5475	5187	-1135	-1388	14536	418	14954	3044	17998	49.78
16	5150	343	564	6057	840	3570	75	5311	5524	-996	-1360	14706	549	15255	3065	18320	49.91
17	5016	304	572	5892	989	3724	48	5157	5220	-1075	-1333	14540	454	14994	2985	17979	50.00
18	4991	120	577	5688	1134	3509	23	4558	4414	-1014	-1267	13501	376	13877	2840	16717	50.05
19	4950	142	580	5672	1199	3521	3	4067	4281	-980	-1234	13442	224	13666	2710	16376	49.98
20	5021	142	582	5745	1205	3463	0	4502	4700	-953	-1261	13852	201	14053	2742	16795	49.87
21	5061	432	584	6077	1269	3538	0	4599	4965	-782	-1288	14561	230	14791	2768	17559	50.00
22	5082	463	584	6129	1358	3572	0	4458	4084	-783	-1207	13936	184	14120	2687	16807	49.96
23	5073	332	582	5987	1264	3554	0	4533	4267	-865	-1188	13904	160	14064	2667	16731	49.93
24	5039	105	588	5732	1326	3576	0	4603	4984	-935	-1195	14450	123	14573	2679	17252	49.91
MUs	119.95	5.56	12.10	137.61	22.79	82.42	0.86	116.81	115.05	-22.46	-28.09	330.68	5.53	336.22	63.04	399.25	49.97

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 07/Jun/2014

Position as on 6.30 Hrs of 08/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		Continued.	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		Continued.	Boiler Tube Leakage	
CPP VIPL U-2	300	01/06/2014	1.50	07/06/2014	22.51	BTL	
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.	
Chandrapur Unit 3	210	04/06/2014	21.11	08/06/2014	14.44	BLR T/L.	
Cent_Sect TARAPUR-3	540	07/06/2014	18.36		Continued.	Maint.work	
Chandrapur Unit 2	210	08/06/2014	05.40	08/06/2014	10.46	Tripped	
Cent_Sect Tarapur 2	160	08/06/2014	20.09		Continued.	Maint.work	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Jun/2014

Position as on 6.30 Hrs of 08/Jun/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-II	06/06/2014	17.14	07/06/2014	11.39	over voltage
Kolhapur - Mapusa - I	07/06/2014	17.03		Continued.	Over Voltage
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
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV,500MVA ICT-II at Khaparkheda.	07/06/2014	10.10	07/06/2014	15.16	Retrofitting of NDR Relay
400/220KV 500MVA ICT- I at Khaperkheda	07/06/2014	15.33	07/06/2014	18.25	Retrofitting of NDR Relay
400/220 KV 600 MVA ICT-II @ Kalwa	08/06/2014	07.12	08/06/2014	09.02	Plastic paper wrapping
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Bale-Usmanabad	06/06/2014	22.06	07/06/2014	13.12	distance protection
Dahanu-Ghodbunder	07/06/2014	07.46	07/06/2014	10.53	Y phase CVT replacement work
Borivali(M)-Borivali(T)-5	07/06/2014	08.10	07/06/2014	12.35	OPGW stringing work in Span 2A
Apta-Uran-IV	07/06/2014	09.19	07/06/2014	19.06	Replacement of Insulator
Kandalgaon - Topworth	07/06/2014	11.20	07/06/2014	21.23	Hot Spot
Mudshingi - Chikodi	07/06/2014	11.55	07/06/2014	17.01	Maint.work
220/110 KV 200 MVA T/F - I @ Mudsinghi	07/06/2014	16.00		Continued.	Neutral problem(Kept on Humming)
Borivali-Ghodbandar	08/06/2014	08.37	08/06/2014	09.02	Bay Maint.work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315MVA ICT-II @ BBLSR	08/06/2014	17.28	08/06/2014	20.58	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	06/06/2014	16.08	07/06/2014	09.27	over voltage
Bhusawal- Aurangabad	06/06/2014	17.33	07/06/2014	08.56	over voltage
Karad-Jaigad I	06/06/2014	18.15	07/06/2014	09.29	over voltage
Karad - Kolhapur - I	07/06/2014	16.34	08/06/2014	09.51	Over Voltage
Bhusawal- Aurangabad	07/06/2014	20.47	08/06/2014	08.09	Over voltage
Karad-Kolhapur-II	08/06/2014	16.29		Continued.	Over Voltage
Karad-Jaigad I	08/06/2014	16.40		Continued.	Over Voltage
Bhusawal- Aurangabad	08/06/2014	17.23		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
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	01/06/2014	16.00		Continued.	Over Voltage.
Lonikand 2-Parli-I	04/06/2014	18.04	08/06/2014	19.44	Dist Prot.one tower collapsed and one more tower X.Arm bent.
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)

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Jun/2014

Position as on 6.30 Hrs of 08/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Koradi-Ambazari-I	08/06/2014	12.36	08/06/2014	13.57	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/Jun/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	140
	620	280
Bhusawal		
Unit 2	210	0
Unit 3	210	133
Unit 4	500	343
Unit 5	500	320
	1420	796
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	0
Unit 6	250	175
Unit 7	250	175
	1130	520
Chandrapur		
Unit 1	210	150
Unit 2	210	0
Unit 3	210	0
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	350
	2340	1560
Paras		
Unit 3	250	200
Unit 4	250	220
	500	420
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1110
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	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	109
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	620
	4545	3542
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	5097
	3455	5097