



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Jul/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Jul/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	82.058	569.365	1) Gujrat	14.323	83.631
2) Hydro	6.722	44.240	2) Madhya Pradesh	17.392	124.355
3) Gas	10.763	69.878	3) Chattisgarh	7.160	48.210
Total MSGENCO	99.543	683.483	4) Maharashtra	55.031	397.053
B) 1) JSW JAIGAD	20.605	129.232	5) Goa	-4.440	-33.450
2) WPCL	7.762	55.605	6) TAPS 1&2 Injection	3.671	25.868
3) ADANI	19.590	160.440	7) RGPPL Injection	7.026	46.749
4) Other CPP / IPP	9.048	51.278	8) Pench (Excess)	-0.080	-1.637
5) Wind Generation	16.003	168.107	# Total Cent. Sector	100.083	690.779
6) PENCH (MS)	0.080	1.637	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.395	-115.285
1) TPCL Thermal	23.197	163.763	G) Bilateral Power *		
2) TPCL Hydro	0.598	30.650	1) MSEDCL Bilateral	42.161	267.381
TOTAL TPCL	23.795	194.413	Include PX	-0.364	-10.992
3) REL Thermal	11.746	81.267	2) MUMBAI Bilateral	12.360	95.821
D) STATE			Include PX	1.670	14.561
1) Thermal (A1+C1+C3)	117.001	814.395	3) MUMBAI Schedule	12.360	95.821
2) Hydro (A2+B5+C2)	7.400	76.527	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.763	69.878	1) MSEDCL	261.319	1825.276
4) Wind (B4)	16.003	168.107	2) TPCL	30.402	255.871
5) CPP (B1+B2+B3)	57.005	255.705	3) REL	16.532	135.088
TOTAL STATE	208.172	1384.612	TOTAL STATE	308.253	2216.235

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3339	3421	3472
MSGENCO Hydro	666	213	64
MSGENCO Gas	434	455	456
MSGENCO Total Generation	4439	4089	3992
Central Sector Receipt	4823	4549	4182
WIND	665	866	588
CPP / IPP	2148	2459	2143
Exchange with Mumbai	-409	-384	-496
MSEDCL DEMAND MET	11666	11599	10409
Load Shedding	477	71	16
MSEDCL DEMAND	12143	11670	10425
TPCL GENERATION	1090	1204	839
R-INFRA GENERATION	523	521	397
TPCL+R-INFRA DEMAND	2022	2109	1732
STATE DEMAND MET	13688	13708	12141
STATE DEMAND	14165	13779	12157
Frequency (Hz)	50.10	49.95	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.5 Hz at 17:04 Hrs	49.77 Hz at 22:08 Hrs	50.08	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/Jul/2013

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	4.68	28.81			1090
Unit 5	2.64	11.00	150	72	140	Hydro					
Unit 6	2.20	20.36	140	35	120	KDPH	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0	VTRNA	0.00	0.74	0	0	61
Total	4.84	31.36			260	TILLARI	0.29	1.43	59	0	60
Bhusawal						BHTGR/VEER	0.12	0.25	6	5	3
Unit 2	3.35	24.02	155	125	140	BHIRA T.R.	0.36	3.20	82	0	80
Unit 3	2.84	23.40	140	0	150	RNGR+BHTSA	0.00	0.06	0	0	0
Unit 4	6.22	35.70	305	165	215	BHANDARDRA	0.07	0.77	34	0	0
Unit 5	0.00	12.40	0	0	0	ELDARY	0.00	0.00	0	0	0
Total	12.42	95.52			505	SMLHY_PTN	0.43	2.22	18	17	0
Parli						GHATGHAR	0.78	6.76	120	0	0
Unit 3	0.00	0.00	0	0	0	Total	2.05	15.43			204
Unit 4	0.00	0.00	0	0	0	Wind					
Unit 5	0.00	0.00	0	0	0	MalharPeth	0.82	7.96			
Unit 6	0.00	0.00	0	0	0	Vankuswadi	1.52	13.00			
Unit 7	0.00	0.00	0	0	0	ATIT	0.16	2.76			
Total	0.00	0.00			0	Kale	0.46	4.48			
Chandrapur						Satara	5.49	45.54			
Unit 1	3.65	24.04	158	146	160	Shirala	0.38	4.50			
Unit 2	3.70	24.76	160	145	150	K Mahankal	0.05	2.19			
Unit 3	4.25	14.90	187	159	180	Supa	0.16	2.07			
Unit 4	0.00	0.00	0	0	0	Vita	2.06	21.87			
Unit 5	5.40	35.64	250	200	250	Dondaicha	3.09	39.74			
Unit 6	5.24	31.47	246	200	225	Sakri	0.49	6.65			
Unit 7	5.72	39.34	253	215	250	Nandurbar	0.35	3.98			
Total	27.96	170.16			1215	Khandke	0.51	7.24			
Paras						Khaparale	0.46	6.13			
Unit 3	3.74	27.62	173	127	170	Total	16.00	168.11			
Unit 4	4.94	30.91	235	176	200	CPP					
Total	8.68	58.53			370	JSW_JAIGAD	20.60	129.23	895	835	868
Khaparkheda						WARDHA	7.76	55.60	328	312	325
Unit 1	2.90	17.48	165	0	130	Adani	19.59	160.44	1210	560	570
Unit 2	4.04	16.36	180	140	160	Other_CPPs	9.05	51.28			240
Unit 3	1.44	18.12	155	0	150	Total	57.00	396.56			2003
Unit 4	4.62	28.78	208	156	170	Tata					
Unit 5	6.61	49.19	320	220	275	Trombay 4	0.00	0.00	0	0	0
Total	19.61	129.93			885	Trombay 5	9.69	68.71	503	311	500
Nasik						Trombay 6	3.55	25.08	149	148	500
Unit 3	4.18	29.35	190	165	195	Trombay 7A	2.97	20.52	126	122	120
Unit 4	0.24	25.26	151	0	0	Trombay 7B	1.63	11.35	69	67	60
Unit 5	4.13	29.26	183	160	195	Trombay 8	5.35	38.12	252	187	250
Total	8.55	83.87			390	TATA Hydro	0.60	30.65	126	0	447
Uran						Total	23.80	194.41			1877
All Units	10.76	69.88	458	434	430	REL					
Total	10.76	69.88			430	1&2	11.75	81.27	526	395	500
PENCH (MS)						Total	11.75	81.27			500
Pench (MS)	0.08	1.64	27	0	0	Cent Sect					
Total	0.08	1.64			0	Share					4420
Koyna						Total					4420
Stage 1-2	1.58	13.28	240	40	600	MS PG CL					
Stage 4	1.60	5.66	281	0	250	Thermal	82.06	569.36			3625
Stage 3	1.50	9.86	160	0	240	Thml+Gas	92.82	639.24			4055
Koyna 12&4 Total	3.17	18.95			850	Hydro	6.72	44.24			1294
						Total	99.54	683.48			5349
						State Total	208.17	1384.61			14149

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 07/Jul/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDING	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3535	101	456	4092	601	2104	4391	4285	-582	-403	10679	3	10682	1963	12645	50.06
2	3489	64	456	4009	643	2101	4293	4210	-485	-564	10399	16	10415	1824	12239	50.08
3	3472	64	456	3992	588	2143	4090	4182	-436	-496	10409	16	10425	1732	12157	50.03
4	3544	69	456	4069	548	2068	4085	4238	-434	-427	10496	16	10512	1665	12177	50.10
5	3559	112	456	4127	359	2088	4183	4507	-435	-409	10672	31	10703	1648	12351	50.00
6	3534	186	456	4176	323	2079	4237	4486	-435	-419	10645	120	10765	1703	12468	50.00
7	3545	233	458	4236	264	2114	4240	4372	-435	-377	10609	296	10905	1721	12626	50.08
8	3436	303	451	4190	294	2099	4242	4516	-437	-394	10705	490	11195	1782	12977	50.10
9	3264	326	443	4033	480	2123	4249	4617	-442	-350	10903	544	11447	1892	13339	50.06
10	3339	666	434	4439	665	2148	4276	4823	-468	-409	11666	477	12143	2022	14165	50.10
11	3201	650	437	4288	706	2245	4312	4740	-508	-485	11494	435	11929	2132	14061	50.07
12	3361	741	437	4539	569	2476	4300	4096	-546	-416	11264	531	11795	2126	13921	49.98
13	3351	634	436	4421	550	2546	4166	4053	-566	-483	11087	544	11631	2126	13757	50.04
14	3321	410	446	4177	559	2628	4167	3935	-566	-435	10864	315	11179	2078	13257	50.16
15	3373	383	440	4196	704	2652	4114	3911	-512	-381	11082	209	11291	2014	13305	50.14
16	3412	388	441	4241	1039	2610	4080	3513	-486	-456	10947	156	11103	1980	13083	50.21
17	3454	177	441	4072	1089	2500	4066	3740	-469	-630	10771	134	10905	1940	12845	50.17
18	3374	63	441	3878	1074	2496	4043	3563	-475	-706	10305	80	10385	1948	12333	50.21
19	3360	63	447	3870	921	2443	3934	3852	-508	-484	10602	64	10666	1991	12657	50.11
20	3421	213	455	4089	866	2459	4226	4549	-583	-384	11599	71	11670	2109	13779	49.95
21	3449	305	455	4209	861	2639	4301	4084	-627	-462	11358	53	11411	2181	13592	50.02
22	3510	212	455	4177	826	2736	4360	3819	-646	-527	11057	34	11091	2195	13286	50.06
23	3366	142	455	3963	754	2752	4381	4123	-655	-667	10932	3	10935	2164	13099	50.00
24	3388	217	455	4060	720	2756	4399	3869	-623	-631	10774	2	10776	2000	12776	50.15
MUs	82.06	6.72	10.76	99.54	16.00	57.00	101.14	100.08	-12.36	-11.40	261.32	4.64	265.96	46.94	312.90	50.08

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/Jul/2013

Position as on 6.30 Hrs of 08/Jul/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Cent_Sect Tarapur 2	160	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
Chandrapur Unit 4	210	15/06/2013	13.33		Continued.	Annual Overhaul	
Nasik Unit 4	210	07/07/2013	02.00		Continued.	C.O.H.	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
CPP WPCL U-4	135	12/06/2013	03.27		Continued.	Turbine Balancing.	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Koradi Unit 7	210	30/06/2013	09.42		Continued.	GC-2 Heavy Gland Flag Leakage.	
Uran Unit 7	108	30/06/2013	12.42		Continued.	Gas Shortage.	
CPP VIPL	300	03/07/2013	12.29		Continued.	CHP Problem.	
Bhusawal Unit 5	500	03/07/2013	23.40		Continued.	ESP Problem.	
CPP Adani U1	660	04/07/2013	20.11		Continued.	BOILER TUBE LEAKAGE	
Uran Unit 5	108	05/07/2013	00.30	07/07/2013	01.08	Turbine Trip.	
CPP JSW (J) U2	300	05/07/2013	22.00		Continued.	C.T.L.	
Hydro GhatgharU2	125	06/07/2013	14.00	07/07/2013	03.25	PRF link Problem.	
CPP Adani U-2	660	06/07/2013	19.23	07/07/2013	09.58	BLR MFT Tripped.	
Khaparkheda Unit 1	210	07/07/2013	07.41	07/07/2013	11.21	Furnace pressure High	
Khaparkheda Unit 3	210	07/07/2013	10.11		Continued.	Boiler Tube Leakage	
Bhusawal Unit 3	210	07/07/2013	22.28	08/07/2013	03.51	Furnace Pressure High	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Jul/2013

Position as on 6.30 Hrs of 08/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli-Solapur (PGCIL) Ckt.II	07/07/2013	15.48	07/07/2013	19.28	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Chandrapur-Bhadravti - I	09/06/2013	16.16		Continued.	Over Voltage
Wardha - Seoni - I	01/07/2013	08.35		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	06/07/2013	17.08		Continued.	Over Voltage.
Warora - Tiroda - II	06/07/2013	19.25	07/07/2013	10.58	One unit on bar.
Lamboti - Solapur (PGCIL)	06/07/2013	20.06	07/07/2013	05.57	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	14/06/2013	02.02		Continued.	Over Voltage.
Kolhapur - Mapusa - II	05/07/2013	17.10		Continued.	Bus Bar Prot Operated.(Ready for charging 17.46Hrs)
Parly(PG)- Solapur(PG) - I	06/07/2013	23.45		Continued.	Over Voltage.
Lamboti - Solapur (PGCIL)	07/07/2013	21.12	08/07/2013	06.24	Over Voltage
Karad - Solapur (PGCIL)	08/07/2013	04.14	08/07/2013	06.45	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	07/07/2013	07.50	07/07/2013	08.14	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT-I @ Deepnagar	07/06/2013	17.03		Continued.	ICT charged through Tie Bay due to higher Tan Delta Values of HV side R Phase Bus-II CT
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main CB of 220/100kV 200 MVA ICTIII @ Padgha	22/05/2013	10.46		Continued.	Repl.of A bus,B bus isolator under JICA scheme.ICT on TBC.
220/33 KV 100 MVA ICT-II @ Versova	07/07/2013	02.56	07/07/2013	03.36	Maint.work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Karad - Newkoyna - I	23/06/2013	16.36		Continued.	Over Voltage
Dabhol - New Koyna - I	30/06/2013	10.42		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	04/07/2013	18.51		Continued.	Over Voltage.
Karad - Kolhapur - I	05/07/2013	17.10		Continued.	Over Voltage.
Bhusawal- Aurangabad	06/07/2013	11.48	07/07/2013	10.57	Over Voltage.
Karad - Kolhapur - II	06/07/2013	17.06		Continued.	Over Voltage.
Bhusawal- Aurangabad	07/07/2013	21.18		Continued.	Over Voltage
Lonikand- Koyna Stage IV	07/07/2013	23.39	08/07/2013	06.50	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Chandrapur - Parli - III	06/07/2013	02.25	07/07/2013	05.49	Dist Prot.
C'pur-Parli II	06/07/2013	05.40		Continued.	Distance Protection(Ready for charging 18.18Hrs)
Karad-Jaigad I	08/07/2013	02.32		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Jul/2013

Position as on 6.30 Hrs of 08/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
A'nagar-Pal	06/07/2013	04.32		Continued.	Wave trap burst.
Vita - Lamboti	08/07/2013	04.29	08/07/2013	04.43	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Tekepar-Kardha	07/07/2013	10.55	07/07/2013	11.53	Bus Bar Prot.Operated
Bhandara-Tekepar	07/07/2013	10.55	07/07/2013	11.52	Bus Bar Prot.Operated

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 08/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			TILLARI	60	60
Unit 5	200	130	BHTGR/VEER	21	3
Unit 6	210	115	BHIRA T.R.	80	80
Unit 7	210	0	RNGR+BHTSA	20	0
	620	245	BHANDARDRA	45	0
Bhusawal			ELDARY	23	0
Unit 2	210	150	SMLHY_PTN	12	0
Unit 3	210	140	GHATGHAR	250	0
Unit 4	500	300		611	204
Unit 5	500	0	Wind		
	1420	590	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	0	Kale	0	
Unit 5	210	0	Satara	0	
Unit 6	250	0	Shirala	0	
Unit 7	250	0	K Mahankal	0	
	1130	0	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	155	Dondaicha	0	
Unit 2	210	160	Sakri	0	
Unit 3	210	175	Nandurbar	0	
Unit 4	210	0	Khandke	0	
Unit 5	500	260	Khaparale	0	
Unit 6	500	230		0	
Unit 7	500	250	CPP		
	2340	1230	JSW_JAIGAD	1200	870
Paras			WARDHA	405	347
Unit 3	250	220	Adani	1320	1234
Unit 4	250	220	Other_CPPs	300	245
	500	440		3225	2696
Khaparkheda			Tata		
Unit 1	210	160	Trombay 4	150	0
Unit 2	210	160	Trombay 5	500	500
Unit 3	210	0	Trombay 6	500	500
Unit 4	210	170	Trombay 7A	120	120
Unit 5	500	300	Trombay 7B	60	60
	1340	790	Trombay 8	250	250
Nasik			TATA Hydro	444	447
Unit 3	210	195		2024	1877
Unit 4	210	0	REL		
Unit 5	210	195	1&2	500	500
	630	390		500	500
Uran			Cent Sect		
All Units	852	430	Share	3455	4923
	852	430		3455	4923
PENCH (MS)					
Pench (MS)	53				
	53				
Koyna					
Stage 1-2	600	600			
Stage 4	1000	250			
Stage 3	320	240			
	1920	1090			
Hydro					
KDPH	40	0			
VTRNA	60	61			