



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Jul/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	95.106	664.658	1) Gujrat	-4.221	-15.202
2) Hydro	3.962	51.997	2) Madhya Pradesh	12.577	93.093
3) Gas	11.687	78.458	3) Chattisgarh	11.460	73.150
Total MSGENCO	110.755	795.113	4) Maharashtra	50.195	333.451
B) OTHERS			5) Goa	-6.440	-41.054
1) JSW JAIGAD	27.361	199.273	6) TAPS 1&2 Injection	7.340	51.533
2) WPCL	7.934	62.243	7) RGPPL Injection	18.146	130.373
3) Other CPP / IPP	5.586	47.538	8) Pench (Excess)	-0.070	-0.416
4) Wind Generation	25.749	130.207	# Total Cent. Sector	88.987	624.928
5) PENCH (MS)	0.070	0.416	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-16.510	-80.408
1) TPCL Thermal	22.362	187.339	G) Bilateral Power *		
2) TPCL Hydro	4.059	27.727	1) MSEDCL Bilateral	24.705	192.797
TOTAL TPCL	26.421	215.066	Include PX	0.000	1.765
3) REL Thermal	11.706	87.104	2) MUMBAI Bilateral	12.576	86.926
D) STATE			Include PX	-0.541	0.518
1) Thermal (A1+C1+C3)	129.174	939.101	3) MUMBAI Schedule	12.576	86.926
2) Hydro (A2+B5+C2)	8.091	80.140	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.687	78.458	1) MSEDCL	249.932	1779.310
4) Wind (B4)	25.749	130.207	2) TPCL	36.732	256.753
5) CPP (B1+B2+B3)	40.881	309.054	3) REL	17.903	125.808
TOTAL STATE	215.582	1536.960	TOTAL STATE	304.567	2161.871

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3975	4095	3900
MSGENCO Hydro	249	495	40
MSGENCO Gas	514	448	513
MSGENCO Total Generation	4738	5038	4453
Central Sector Receipt	4049	4262	3224
WIND	1288	834	967
CPP / IPP	1774	1777	1599
Exchange with Mumbai	-859	-619	-552
MSEDCL DEMAND MET	10990	11315	9691
Load Shedding	121	468	121
MSEDCL DEMAND	11111	11783	9812
TPCL GENERATION	1327	1369	811
R-INFRA GENERATION	526	526	390
TPCL+R-INFRA DEMAND	2712	2514	1753
STATE DEMAND MET	13702	13829	11444
STATE DEMAND	13823	14297	11565
Frequency (Hz)	50.03	49.61	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.48 Hz at 08.06 Hrs	49.01 Hz at 20.12 Hrs	49.94	.49 % 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/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.34	18.25	120	70	100
Unit 6	2.96	19.53	140	105	105
Unit 7	3.30	26.63	155	120	135
Total	8.60	64.41			340
Bhusawal					
Unit 2	3.32	25.93	160	0	160
Unit 3	3.40	21.14	150	120	160
Unit 4	0.00	0.00	0	0	
Unit 5	0.00	0.00	0	0	
Total	6.72	47.07			320
Parli					
Unit 3	3.51	21.37	155	137	150
Unit 4	3.06	20.56	135	112	120
Unit 5	3.34	22.91	163	117	150
Unit 6	0.00	0.00	0	0	0
Unit 7	3.32	8.97	178	104	140
Total	13.23	73.81			560
Chandrapur					
Unit 1	3.07	24.37	137	98	150
Unit 2	2.96	25.58	137	102	125
Unit 3	3.62	28.68	177	125	160
Unit 4	3.98	31.41	197	142	180
Unit 5	9.20	57.50	420	295	400
Unit 6	9.22	67.17	420	315	400
Unit 7	3.28	24.75	370	0	0
Total	35.34	259.46			1415
Paras					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Total	0.00	0.00			0
Khaparkheda					
Unit 1	4.72	31.57	210	170	195
Unit 2	0.00	0.00	0	0	0
Unit 3	4.72	33.25	219	175	190
Unit 4	4.74	33.20	219	174	175
Unit 5	5.95	37.06	270	211	230
Total	20.13	135.08			790
Nasik					
Unit 3	2.33	32.51	180	0	192
Unit 4	4.44	31.52	207	167	192
Unit 5	4.32	20.80	194	164	172
Total	11.08	84.83			556
Uran					
All Units	11.69	78.46	514	438	500
Total	11.69	78.46			500
PENCH (MS)					
Pench (MS)	0.07	0.42	23	0	
Total	0.07	0.42			
Koyna					
Stage 1-2	1.16	17.12	120	35	530
Stage 4	0.00	9.14	0	0	250
Stage 3	0.77	11.16	238	0	240
Kovna 12&4 Total	1.16	26.27			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.93	37.43			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.89	6.27	61	0	61
TILLARI	0.17	1.45	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.39	2.20	82	0	80
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.06	0.56	9	0	8
GHATGHAR	0.51	3.13	125	0	0
Total	2.03	14.57			209
Wind					
MalharPeth	1.45	7.92			
Vankuswadi	1.96	11.42			
ATIT	0.97	3.15			
Kale	0.62	4.37			
Satara	2.06	15.36			
Shirala	0.89	5.01			
K Mahankal	1.31	13.12			
Supa	0.32	1.65			
Vita	2.85	24.44			
Dondaicha	8.40	27.07			
Sakri	0.66	3.16			
Nandurbar	1.36	3.13			
Khandke	1.70	6.92			
Khaparale	1.20	3.49			
Total	25.75	130.21			
CPP					
JSW JAIGAD	27.36	199.27	1220	1030	900
WARDHA	7.93	62.24	368	290	330
Other CPPs	5.59	47.54			
Total	40.88	309.05			1230
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.19	78.79	501	284	500
Trombay 6	3.79	40.77	176	155	500
Trombay 7A	2.68	19.52	124	97	120
Trombay 7B	1.53	10.94	68	59	60
Trombay 8	5.17	37.32	251	190	250
TATA Hydro	4.06	27.73	387	0	447
Total	26.42	215.07			1877
REL					
1&2	11.71	87.10	527	390	500
Total	11.71	87.10			500
Cent Sect					
Share					4368
Total					4368

MS PG CL	Thermal	95.11	664.66			3981
	Thml+Gas	106.79	743.12			4481
	Hydro	3.96	52.00			1229
	Total	110.76	795.11			5710
State Total		215.58	1536.96			13685

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/Jul/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3899	104	511	4514	823	1734	4267	3575	-502	-547	10099	165	10264	2019	12283	49.99
2	3854	45	511	4410	916	1595	4236	3533	-469	-621	9833	119	9952	1850	11802	50.04
3	3900	40	513	4453	967	1599	4031	3224	-436	-552	9691	121	9812	1753	11565	50.03
4	3890	45	513	4448	996	1607	3661	3241	-419	-467	9825	122	9947	1680	11627	50.15
5	3810	40	512	4362	1084	1600	3641	3392	-406	-453	9985	123	10108	1669	11777	50.28
6	3794	40	512	4346	1081	1663	3772	3514	-398	-526	10078	131	10209	1743	11952	50.16
7	3821	45	513	4379	935	1679	3800	3897	-419	-587	10303	182	10485	1801	12286	50.16
8	3847	103	512	4462	945	1681	3864	4113	-486	-678	10523	182	10705	1901	12606	50.23
9	3978	130	513	4621	1061	1692	4185	4030	-517	-783	10621	160	10781	2147	12928	50.23
10	3952	184	511	4647	1294	1694	4235	4208	-567	-938	10905	120	11025	2497	13522	50.03
11	3975	249	514	4738	1288	1774	4314	4049	-568	-859	10990	121	11111	2712	13823	50.03
12	3977	225	514	4716	1249	1731	4316	3968	-562	-793	10871	123	10994	2761	13755	49.97
13	4014	165	512	4691	1335	1787	4337	3459	-575	-770	10502	195	10697	2759	13456	49.99
14	4027	106	512	4645	1312	1733	4341	3327	-577	-767	10250	151	10401	2652	13053	49.93
15	4035	106	488	4629	1329	1684	4340	3441	-577	-809	10274	147	10421	2634	13055	49.82
16	4109	101	444	4654	1326	1682	4257	3312	-573	-776	10198	139	10337	2604	12941	49.70
17	4055	100	447	4602	1561	1681	4191	3274	-570	-800	10318	166	10484	2571	13055	49.85
18	3992	107	448	4547	1157	1685	4154	3338	-565	-836	9891	161	10052	2519	12571	49.79
19	4058	144	455	4657	1060	1721	4129	3688	-558	-822	10304	162	10466	2458	12924	49.73
20	4085	282	446	4813	815	1777	4281	4256	-556	-646	11025	368	11393	2524	13917	49.64
21	4095	495	448	5038	834	1777	4337	4262	-571	-619	11315	468	11783	2514	14297	49.61
22	4121	366	449	4936	800	1775	4339	3853	-576	-638	10749	427	11176	2396	13572	49.90
23	4038	327	438	4803	804	1767	4333	4063	-574	-643	10808	239	11047	2285	13332	49.67
24	3780	413	451	4644	777	1763	4270	3970	-557	-580	10574	185	10759	2188	12947	49.74
MUs	95.11	3.96	11.69	110.76	25.75	40.88	99.63	88.99	-12.58	-16.51	249.93	4.48	254.41	54.64	309.05	49.94

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/2012

Position as on 6.30 Hrs of 08/Jul/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Khaparkheda Unit 2	210	01/06/2012	05.45		Continued.	Annual overhaul.	15/07/2012
Hydro GHATGHAR	250	05/07/2012	15.30		Continued.	For AOH.	
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Bhusawal Unit 4	500	06/06/2012	06.27		Continued.	Vibration Problem	
Paras Unit 3	250	13/06/2012	17.05		Continued.	Structure collapse near ESP.	
Koyna Unit 11	80	18/06/2012	08.00		Continued.	Stator E/F.	
Koyna ST-IV 2	250	20/06/2012	11.00		Continued.	Attending Spherical Valve Servomotor Oil Leakage.	
Parli Unit 6	250	23/06/2012	15.03		Continued.	Bunkering problem.	
Cent_Sect NTPC(V-8)	500	23/06/2012	23.38		Continued.	Boiler tube leakage.	
Dabhol 3B	230	25/06/2012	09.41		Continued.	Gas Shortage	
Koyna Unit 4	75	28/06/2012	07.10		Continued.	All Injectors Insitu Meter Filling Work.	
Dabhol 2B	230	28/06/2012	14.44		Continued.	Gas Shortage.	
Paras Unit 4	250	30/06/2012	07.03		Continued.	Main oil tank leakage.	
Chandrapur Unit 7	500	03/07/2012	09.19	07/07/2012	12.10	Boiler Tube Leakage	
CPP WPCL U-3	135	05/07/2012	10.20		Continued.	I.D. Fan Vibration High.	
Dabhol 1B	230	06/07/2012	10.27		Continued.	Gas Shortage.	
Nasik Unit 3	210	07/07/2012	13.35		Continued.	E-Valve 31, heavy leakage.	
Uran Unit 8	108	07/07/2012	14.28		Continued.	Due to gas shortage.	
Bhusawal Unit 2	210	07/07/2012	22.34	08/07/2012	02.26	Flame failure.	
Koyna Unit 9	80	08/07/2012	08.00	08/07/2012	11.00	R.M.Work	
Khaparkheda Unit 5	500	08/07/2012	23.48		Continued.	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Jul/2012

Position as on 6.30 Hrs of 08/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765KV Seoni - Wardha - II	13/06/2012	16.09		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	01/07/2012	00.37		Continued.	Over Voltage.
Akola - Wardha - II	03/07/2012	22.13	07/07/2012	19.35	Over Voltage
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Dhule-Sar'Sarovar - I	04/07/2012	22.47		Continued.	Over Voltage
Parly(PG)- Solapur(PG) - I	05/07/2012	18.17		Continued.	Over Voltage
Kolhapur - Mapusa - II	06/07/2012	18.03	07/07/2012	20.04	Over Voltage.
Akola - Aurangabad - I	07/07/2012	02.09	07/07/2012	09.09	Over Voltage.
Kolhapur - Mapusa - I	07/07/2012	23.28	08/07/2012	10.36	Over Voltage.
Akola - Wardha - I	08/07/2012	04.34	08/07/2012	10.22	Over Voltage.
Kolhapur - Mapusa - I	08/07/2012	17.43		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule - S'Sarovar- II	03/07/2012	22.31		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220 KV315 MVA ICT-I @ BBLR	06/07/2012	09.49		Continued.	Dismantling of Y-Ph unit and re-erection of Y-Ph unit for overhauling.
Bableswhar-Aurangabad	06/07/2012	13.10		Continued.	Repl.of operating mechanism of isolator.(Ready for charging 18.40 hrs)
Karad-Jaigad II	07/07/2012	09.40	07/07/2012	11.35	ABT meter installation work.
Aus.Bus at Koradi	07/07/2012	09.53	07/07/2012	16.30	Alignment of aux.bus petagraph isolator.
Karad-Jaigad II	08/07/2012	15.32	08/07/2012	19.27	Dist.Prot.Z-I.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Apta-Nagothane	07/07/2012	08.01	07/07/2012	18.14	Shifting of CT,s from RCC structure.
Trombay(T)-Trombay(M)Tie-II	07/07/2012	08.25		Continued.	Relay commissioning and protection upgradation.
Theur - Magarpatta	07/07/2012	09.03	07/07/2012	15.11	Maintenance work.
Trombay-Kalwa	07/07/2012	10.34	07/07/2012	15.21	Jumper replacement.
220/33 KV 50 MVA T/F - II @ Chitegaon.	07/07/2012	11.10	07/07/2012	15.08	Connecting of LV side power cable.
Dondaicha - Shahada	07/07/2012	11.45	07/07/2012	17.10	Q.M.Work
Boiser PGCIL-Boiser II	08/07/2012	08.20	08/07/2012	11.15	Hot Spot Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315MVA ICT-III at Karad.	06/07/2012	00.30		Continued.	On TBC due to breaker air leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV 167 MVA Spare ICT at Khaparkheda	20/06/2012	10.17		Continued.	Low Oil Pressure Alarm Received.
Bhusawal- Aurangabad	27/06/2012	17.04		Continued.	Over Voltage,Outage Aailed @ 09.15 Hrs for Replacing Broken Line Spacer & Fixing Repair Siecre for Broken

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Jul/2012

Position as on 6.30 Hrs of 08/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Conductor (Ready for Charging from 10.42 Hrs).
Aurangabad-Deepnagar-II	03/07/2012	15.29		Continued.	Over Voltage
Karad - Kolhapur - I	06/07/2012	16.06	07/07/2012	09.09	Over Voltage.
400/220KV 500 MVA ICT III at Parli II	06/07/2012	20.45	07/07/2012	13.50	Due to load not sharing properly.
Karad - Newkoyna - I	07/07/2012	02.03	07/07/2012	09.21	Over Voltage.
Chandrapur - Parli - I	07/07/2012	11.39	07/07/2012	12.47	To take reactor in service.
Karad - Kolhapur - II	07/07/2012	16.42	08/07/2012	10.25	Over Voltage.
Karad - Kolhapur - II	08/07/2012	16.10		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	26/06/2012	20.43		Continued.	R Phase LV side CT Burst
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Koradi-Butibori	07/07/2012	15.55	07/07/2012	16.49	Bus bar protection operated.
Butibori-Indorama	07/07/2012	15.55	07/07/2012	16.55	Bus bar protection operated.
Butibori-INOX Ckt.	07/07/2012	15.55	07/07/2012	16.51	Bus bar protection operated.
Main Bus- I @ Butibori	07/07/2012	15.55	07/07/2012	16.49	Bus bar protection operated.
220/33 KV 50 MVA T/F - III @ Butibori	07/07/2012	15.55	07/07/2012	16.54	Bus bar protection operated.
Butibori MIDC-VIPL-II	07/07/2012	15.55	07/07/2012	16.52	Bus bar protection operated.
Bus Coupler at Butibori	07/07/2012	15.55	07/07/2012	16.51	Bus bar protection operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	115
Unit 6	210	120
Unit 7	210	120
	620	355
Bhusawal		
Unit 2	210	120
Unit 3	210	160
Unit 4	500	
Unit 5	500	
	1420	280
Parli		
Unit 3	210	137
Unit 4	210	167
Unit 5	210	150
Unit 6	250	0
Unit 7	250	160
	1130	614
Chandrapur		
Unit 1	210	100
Unit 2	210	140
Unit 3	210	180
Unit 4	210	190
Unit 5	500	400
Unit 6	500	350
Unit 7	500	350
	2340	1710
Paras		
Unit 3	250	0
Unit 4	250	0
	500	0
Khaparkheda		
Unit 1	210	190
Unit 2	210	0
Unit 3	210	190
Unit 4	210	160
Unit 5	500	220
	1340	760
Nasik		
Unit 3	210	0
Unit 4	210	210
Unit 5	210	190
	630	400
Uran		
All Units	852	430
	852	430
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	209
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	600	1100
WARDHA	405	330
Other CPPs	0	
	1005	1430
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4308
	3455	4308