



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Jul/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	98.896	1674.807	1) Gujrat	3.402	-9.031
2) Hydro	25.923	150.873	2) Madhya Pradesh	16.525	249.726
3) Gas	10.320	169.038	3) Chattisgarh	11.480	189.890
Total MSGENCO	135.139	1994.718	4) Maharashtra	49.807	855.436
B) OTHERS			5) Goa	-5.447	-101.084
1) JSW JAIGAD	21.693	470.863	6) TAPS 1&2 Injection	3.746	120.548
2) WPCL	9.772	153.946	7) RGPPL Injection	16.793	306.504
3) Other CPP / IPP	5.489	101.729	8) Pench (Excess)	-0.078	-1.311
4) Wind Generation	12.825	287.706	# Total Cent. Sector	96.228	1610.678
5) PENCH (MS)	0.078	1.311	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.743	-195.287
1) TPCL Thermal	29.337	459.766	G) Bilateral Power *		
2) TPCL Hydro	4.563	63.358	1) MSEDCL Bilateral	25.454	437.342
TOTAL TPCL	33.900	523.124	Include PX	0.000	0.950
3) REL Thermal	12.578	211.871	2) MUMBAI Bilateral	14.304	225.406
D) STATE			Include PX	0.942	8.004
1) Thermal (A1+C1+C3)	140.811	2346.444	3) MUMBAI Schedule	14.304	225.406
2) Hydro (A2+B5+C2)	30.564	215.542	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.320	169.038	1) MSEDCL	269.481	4425.664
4) Wind (B4)	12.825	287.706	2) TPCL	38.999	623.849
5) CPP (B1+B2+B3)	36.954	726.538	3) REL	19.222	306.409
TOTAL STATE	231.474	3745.268	TOTAL STATE	327.702	5355.922

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4139	4226	4424
MSGENCO Hydro	1949	478	532
MSGENCO Gas	435	423	432
MSGENCO Total Generation	6523	5127	5388
Central Sector Receipt	4503	4560	3439
WIND	158	1023	521
CPP / IPP	1490	1594	1511
Exchange with Mumbai	-649	-456	-362
MSEDCL DEMAND MET	12025	11871	10497
Load Shedding	563	538	226
MSEDCL DEMAND	12588	12409	10723
TPCL GENERATION	1784	1591	829
R-INFRA GENERATION	524	523	524
TPCL+R-INFRA DEMAND	2957	2570	1715
STATE DEMAND MET	14982	14441	12212
STATE DEMAND	15545	14979	12438
Frequency (Hz)	49.56	49.65	49.63

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 18:32 Hrs	48.8 Hz at 22:07 Hrs	49.57	3.47 % 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 17/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	1.74	44.39	135	0	0
Unit 6	0.00	33.81	0	0	0
Unit 7	2.62	60.20	145	0	150
Total	4.37	138.41			150
Bhusawal					
Unit 2	2.01	55.80	140	0	120
Unit 3	3.13	44.40	150	120	140
Unit 4	7.28	36.05	331	248	0
Unit 5	0.00	0.00	0	0	0
Total	12.42	136.25			260
Parli					
Unit 3	0.00	37.27	0	0	0
Unit 4	3.46	52.55	172	117	139
Unit 5	3.10	56.29	146	114	131
Unit 6	3.38	20.68	200	102	183
Unit 7	0.00	40.36	0	0	0
Total	9.94	207.14			453
Chandrapur					
Unit 1	2.93	55.66	135	107	150
Unit 2	2.83	56.95	141	74	130
Unit 3	3.79	68.22	181	120	160
Unit 4	4.32	74.31	201	150	160
Unit 5	7.46	145.96	430	250	400
Unit 6	7.06	154.66	390	200	325
Unit 7	7.28	109.06	385	250	270
Total	35.68	664.82			1595
Paras					
Unit 3	4.10	6.37	194	111	190
Unit 4	3.90	43.22	194	148	160
Total	8.00	49.59			350
Khaparkheda					
Unit 1	4.32	73.62	200	140	170
Unit 2	0.00	0.00	0	0	0
Unit 3	4.23	79.06	201	162	180
Unit 4	5.12	79.89	220	208	210
Unit 5	5.60	70.75	266	191	200
Total	19.27	303.32			760
Nasik					
Unit 3	4.82	63.84	215	190	210
Unit 4	4.39	74.55	202	171	200
Unit 5	0.00	36.90	0	0	0
Total	9.22	175.28			410
Uran					
All Units	10.32	169.04	455	409	440
Total	10.32	169.04			440
PENCH (MS)					
Pench (MS)	0.08	1.31	24	0	0
Total	0.08	1.31			0
Koyna					
Stage 1-2	6.88	48.74	475	45	530
Stage 4	12.73	41.81	1118	0	250
Stage 3	5.36	29.53	240	158	240
Kovna 12&4 Total	19.61	90.55			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	24.98	120.08			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.00	12.32	0	0	0
TILLARI	0.11	1.91	54	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.41	5.61	81	0	80
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.34	1.42	15	14	12
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.09	1.32	9	1	8
GHATGHAR	0.00	7.25	0	0	0
Total	0.95	30.79			100
Wind					
MalharPeth	0.46	15.92			
Vankuswadi	0.95	24.61			
ATIT	0.11	5.75			
Kale	0.30	7.91			
Satara	1.89	34.48			
Shirala	0.24	9.35			
K Mahankal	0.04	23.09			
Supa	0.14	4.16			
Vita	2.08	47.98			
Dondaicha	4.25	70.10			
Sakri	0.61	10.61			
Nandurbar	0.44	7.16			
Khandke	0.48	16.12			
Khaparale	0.82	10.45			
Total	12.82	287.71			
CPP					
JSW JAIGAD	21.69	470.86	906	891	825
WARDHA	9.77	153.95	450	370	451
Other CPPs	5.49	101.73			
Total	36.95	726.54			1276
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.82	180.81	503	284	500
Trombay 6	8.43	110.62	502	156	500
Trombay 7A	2.74	48.05	124	100	120
Trombay 7B	1.54	26.75	67	60	60
Trombay 8	5.81	93.53	248	196	250
TATA Hydro	4.56	63.36	387	0	447
Total	33.90	523.12			1877
REL					
1&2	12.58	211.87	525	522	500
Total	12.58	211.87			500
Cent Sect					
Share					4168
Total					4168

MS PG CL	Thermal	98.90	1674.81			3978
	Thml+Gas	109.22	1843.84			4418
	Hydro	25.92	150.87			1120
	Total	135.14	1994.72			5538
State Total		231.47	3745.27			13359

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	4375	1306	433	6114	482	1491	3839	3359	-533	-408	11038	165	11203	2066	13269	49.61
2	4393	934	423	5750	564	1503	3769	3312	-484	-366	10763	207	10970	1899	12869	49.50
3	4398	671	435	5504	555	1508	3748	3418	-485	-365	10620	211	10831	1790	12621	49.62
4	4424	532	432	5388	521	1511	3744	3439	-485	-362	10497	226	10723	1715	12438	49.63
5	4312	433	427	5172	479	1510	3737	3721	-485	-349	10533	242	10775	1697	12472	49.58
6	4161	1049	431	5641	491	1514	3751	3754	-485	-398	11002	337	11339	1807	13146	49.58
7	4079	1237	427	5743	300	1515	3799	3781	-485	-417	10922	737	11659	1896	13555	49.63
8	4120	1478	437	6035	259	1514	3862	3874	-539	-437	11245	775	12020	2044	14064	49.71
9	4111	1577	436	6124	244	1506	3895	3796	-576	-494	11176	850	12026	2343	14369	49.54
10	4099	1934	415	6448	236	1508	3950	4207	-626	-543	11856	597	12453	2699	15152	49.57
11	4139	1949	435	6523	158	1490	4060	4503	-633	-649	12025	563	12588	2957	15545	49.56
12	3976	1933	414	6323	133	1538	4103	4418	-688	-675	11737	604	12341	3005	15346	49.58
13	3996	1831	428	6255	195	1549	4070	4241	-678	-673	11567	680	12247	2998	15245	49.47
14	3809	1794	419	6022	235	1543	4144	4129	-653	-631	11298	591	11889	2930	14819	49.56
15	3748	1793	409	5950	284	1558	4258	4187	-645	-620	11359	507	11866	2934	14800	49.53
16	3820	1703	415	5938	522	1566	4252	4116	-639	-526	11616	555	12171	2844	15015	49.50
17	3859	572	455	4886	638	1566	4232	4601	-626	-512	11179	657	11836	2828	14664	49.47
18	4006	307	446	4759	687	1557	4204	4106	-599	-474	10635	659	11294	2783	14077	49.71
19	4005	312	451	4768	816	1576	4266	4181	-550	-402	10939	465	11404	2701	14105	49.73
20	4146	544	443	5133	959	1593	4423	4406	-625	-458	11644	566	12210	2692	14902	49.48
21	4226	478	423	5127	1023	1594	4421	4560	-692	-456	11871	538	12409	2570	14979	49.65
22	4133	388	434	4955	974	1588	4450	4311	-712	-500	11352	477	11829	2472	14301	49.59
23	4240	573	424	5237	1056	1581	4309	4137	-709	-522	11509	210	11719	2347	14066	49.32
24	4321	595	428	5344	1014	1575	4189	3671	-670	-506	11098	160	11258	2204	13462	49.57
MUs	98.90	25.92	10.32	135.14	12.82	36.95	97.48	96.23	-14.30	-11.74	269.48	11.58	281.06	58.22	339.28	49.57

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 17/Jul/2012

Position as on 6.30 Hrs of 18/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.	19/07/2012
Hydro GHATGHAR	250	05/07/2012	15.30		Continued.	For AOH.	
Nasik Unit 5	210	12/07/2012	00.35		Continued.	Annual Overhaul	15/08/2012
Koradi Unit 6	210	12/07/2012	23.56	18/07/2012	06.24	Boiler Validity expired.	
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Koyna Unit 11	80	18/06/2012	08.00		Continued.	Stator E/F.	17/08/2012
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.	20/07/2012
Dabhol 1B	230	06/07/2012	10.27		Continued.	Gas Shortage.	
Dabhol 2A	230	10/07/2012	17.28		Continued.	Gas Shortage	
Parli Unit 3	210	13/07/2012	02.54		Continued.	P A Fan problem.	
Uran Unit 6	108	13/07/2012	22.00		Continued.	Gas Shortage	
Dabhol 2X	290	14/07/2012	22.55		Continued.	Gas Shortage	
Dabhol 2B	230	14/07/2012	23.01		Continued.	Gas Shortage	
CPP JSW (J) U1	300	15/07/2012	18.44		Continued.	On cooling water problem.	
Parli Unit 7	250	16/07/2012	18.15		Continued.	Coal shortage and Watercrisis.	
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refilling work.	
Koradi Unit 5	200	17/07/2012	04.33	17/07/2012	08:58	Furnace pressure high.	
Koyna ST-IV 2	250	17/07/2012	05.17	17/07/2012	07:42	Oil pressure drop.	
Bhusawal Unit 2	210	17/07/2012	11:18	17/07/2012	19:29	Boiler Flash Over	
Koradi Unit 7	210	17/07/2012	13:25	17/07/2012	17:15	Furnace Pressure High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Jul/2012

Position as on 6.30 Hrs of 18/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari -II	17/07/2012	09.40	17/07/2012	18.41	Replacement of Faulty Disc Insulator
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.
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Dhule-Sar'Sarovar - II	13/07/2012	11.20		Continued.	Over Voltage, Oppt. outage, availed on 14.07.2012 Jumper tightening work.(ready for charging at 16.40hrs.)
Akola - Wardha - I	16/07/2012	00.06		Continued.	Over Voltage.
Kolhapur - Mapusa - I	16/07/2012	17.10		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	17/07/2012	08.07	17/07/2012	18.02	R-ph LA burst.
Dabhol - NewKoyna - II	17/07/2012	18.55	17/07/2012	19.50	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220 KV 315 MVA ICT-II @ Chandrapur	17/07/2012	08.28	17/07/2012	22.28	Retrofitting of Relay
Parli-Lonikand - II	17/07/2012	09.05	17/07/2012	09.55	Removal of Snapped E/W
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.
Khaparkheda-Ambazari - I	17/07/2012	06.53	17/07/2012	14.46	Trip Ckt faulty Indication receive(CKT is on TBC)
Vankuswadi - MIDC Satara- II	17/07/2012	07.30	17/07/2012	18.43	LILO work
Vankushwadi - MIDC Satara - I	17/07/2012	07.30	17/07/2012	18.43	LILO work
Apta-HOC	17/07/2012	09.51	17/07/2012	12.48	Dismantalling of Aux.isolator
Parly - Harangool - I	17/07/2012	10.05	17/07/2012	14.55	Q.M.Work
Pedambe-Mahad	17/07/2012	10.10	17/07/2012	17.58	Replacement of Wave Trap Jumper
Miraj - Kadegaon	17/07/2012	10.31	17/07/2012	17.58	Q.M.Work
Miraj -Vita	17/07/2012	10.31	17/07/2012	18.00	Main Bus Work at Miraj
220/110 KV 200 MVA ICT - II @ Miraj	17/07/2012	10.31	17/07/2012	18.00	Main Bus Work at Miraj
220/110,200 MVA T/F-I at Miraj	17/07/2012	10.31	17/07/2012	18.00	Main Bus Work at Miraj
Miraj -Ichalkarajni	17/07/2012	10.31	17/07/2012	18.16	Main Bus Work at Miraj
Miraj - Mhaisal	17/07/2012	10.31	17/07/2012	18.03	Main Bus Work at Miraj
220/132 KV 100 MVA ICT at Bhandara	17/07/2012	10.45		Continued.	Fixing of Differential and Backup Relay
220/110 KV 200 MVA T/F @ Ogalewadi	17/07/2012	10.48	17/07/2012	15.43	Q.M.Work
220/110 KV 100 MAV T/F - I @ Ogalewadi	17/07/2012	10.49	17/07/2012	18.10	Half Bus section-I outage
Karad-Oglewadi-I	17/07/2012	10.50	17/07/2012	15.15	Q.M.Work

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Jul/2012

Position as on 6.30 Hrs of 18/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Main Bus - I @ Ogalewadi	17/07/2012	10.55	17/07/2012	15.35	Q.M.work
220/132 KV,200 MVA ICT-II at Chikhli	17/07/2012	12.16	17/07/2012	18.53	Measurement of Tan Delta of CT
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 Conductor (Ready for Charging from 10.42 Hrs).
Aurangabad-Deepnagar-II	03/07/2012	15.29		Continued.	Over Voltage
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Karad - Kolhapur - I	16/07/2012	16.13	17/07/2012	09.11	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bale-Osmanbad	09/07/2012	12.30		Continued.	To control Parli ICT loading.
Padgha - Temghar - II	09/07/2012	16.33		Continued.	For Padgha ICT loading.
Khaparkheda-Ambazari - I	16/07/2012	22.31	17/07/2012	02.32	Trip Ckt Faulty Indication Appeared
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
Karad - Kiniwathar	17/07/2012	03.45	17/07/2012	04.02	Distance protection.
Pophali - Kandalgaon	17/07/2012	12.20	17/07/2012	18.45	R-ph Wave trap to line jumper opened.
Lote-Dasturi	17/07/2012	12.20	17/07/2012	12.55	Over Current
Voltage Level : 132KV			Outage Type TRIPPED		
Girwali - Latur MIDC	17/07/2012	05.39	17/07/2012	06.00	Distance Protection
Ujani-Umarga	17/07/2012	05.41	17/07/2012	16.00	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	90
Unit 6	210	0
Unit 7	210	140
	620	230
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	
Unit 5	500	
	1420	280
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	140
Unit 6	250	145
Unit 7	250	0
	1130	445
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	165
Unit 4	210	200
Unit 5	500	350
Unit 6	500	325
Unit 7	500	280
	2340	1620
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	250
	1340	880
Nasik		
Unit 3	210	210
Unit 4	210	200
Unit 5	210	0
	630	410
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	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	54
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	14
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	156
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	825
WARDHA	405	451
Other CPPs	0	
	1005	1276
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	4585
	3455	4585