



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/May/2012

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	134.899	881.177	1) Gujrat	0.628	6.704
2) Hydro	17.044	80.900	2) Madhya Pradesh	17.417	120.248
3) Gas	11.398	78.382	3) Chattisgarh	10.260	74.660
Total MSGENCO	163.341	1040.459	4) Maharashtra	55.771	415.803
B) OTHERS			5) Goa	-6.479	-45.050
1) JSW JAIGAD	26.548	189.512	6) TAPS 1&2 Injection	7.670	54.202
2) WPCL	9.801	63.008	7) RGPPL Injection	19.817	153.696
3) Other CPP / IPP	9.607	67.114	8) Pench (Excess)	-0.045	-0.696
4) Wind Generation	10.889	101.479	# Total Cent. Sector	105.039	779.567
5) PENCH (MS)	0.045	0.696	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.821	-92.585
1) TPCL Thermal	27.154	183.467	G) Bilateral Power *		
2) TPCL Hydro	4.717	24.920	1) MSEDCL Bilateral	35.602	272.676
TOTAL TPCL	31.871	208.387	Include PX	0.000	0.000
3) REL Thermal	12.592	87.970	2) MUMBAI Bilateral	14.675	94.348
D) STATE			Include PX	2.441	15.591
1) Thermal (A1+C1+C3)	174.645	1152.614	3) MUMBAI Schedule	14.675	94.348
2) Hydro (A2+B5+C2)	21.806	106.516	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.398	78.382	1) MSEDCL	311.449	2149.250
4) Wind (B4)	10.889	101.479	2) TPCL	38.769	257.655
5) CPP (B1+B2+B3)	45.956	319.634	3) REL	19.504	131.266
TOTAL STATE	264.694	1758.625	TOTAL STATE	369.722	2538.171

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5716	5661	5493
MSGENCO Hydro	1611	1131	249
MSGENCO Gas	461	483	480
MSGENCO Total Generation	7788	7275	6222
Central Sector Receipt	4707	4508	4100
WIND	204	546	584
CPP / IPP	1931	1897	1928
Exchange with Mumbai	-832	-759	-327
MSEDCL DEMAND MET	13798	13467	12507
Load Shedding	831	654	240
MSEDCL DEMAND	14629	14121	12747
TPCL GENERATION	1596	1616	889
R-INFRA GENERATION	524	526	524
TPCL+R-INFRA DEMAND	2952	2901	1740
STATE DEMAND MET	16750	16368	14247
STATE DEMAND	17581	17022	14487
Frequency (Hz)	49.76	49.86	49.62

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 18.46 Hrs	49.04 Hz at 23.00 Hrs	49.76	.89 % 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/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.24	22.22	153	80	125
Unit 6	3.46	19.64	160	115	135
Unit 7	3.80	24.62	180	130	150
Total	10.50	66.48			410
Bhusawal					
Unit 2	3.90	25.58	175	150	180
Unit 3	4.07	27.42	175	165	170
Unit 4	3.05	22.14	155	97	0
Unit 5	0.00	0.00	0	0	0
Total	11.02	75.14			350
Parli					
Unit 3	4.38	31.66	203	149	162
Unit 4	3.84	25.72	178	137	175
Unit 5	4.07	29.09	183	146	180
Unit 6	4.75	23.48	210	170	180
Unit 7	4.53	19.77	214	162	180
Total	21.57	129.72			877
Chandrapur					
Unit 1	3.93	25.41	168	158	142
Unit 2	3.97	25.22	170	161	146
Unit 3	4.46	30.91	195	165	170
Unit 4	4.52	29.36	197	148	179
Unit 5	11.06	76.08	480	445	437
Unit 6	9.30	70.43	425	365	349
Unit 7	10.48	70.79	456	425	391
Total	47.71	328.19			1814
Paras					
Unit 3	6.09	28.75	261	242	250
Unit 4	0.00	0.59	0	0	0
Total	6.09	29.34			250
Khaparkheda					
Unit 1	4.22	29.70	190	160	180
Unit 2	4.42	30.01	185	165	180
Unit 3	4.43	30.72	190	180	180
Unit 4	4.37	30.44	186	178	180
Unit 5	6.28	41.82	306	213	300
Total	23.73	162.69			1020
Nasik					
Unit 3	5.09	28.88	220	205	210
Unit 4	4.71	31.50	205	180	210
Unit 5	4.47	29.24	195	168	180
Total	14.28	89.62			600
Uran					
All Units	11.40	78.38	583	461	460
Total	11.40	78.38			460
PENCH (MS)					
Pench (MS)	0.04	0.70	25	0	
Total	0.04	0.70			
Koyna					
Stage 1-2	3.80	22.07	475	40	455
Stage 4	5.66	19.23	833	0	250
Stage 3	2.35	9.00	320	0	320
Kovna 12&4 Total	9.46	41.30			705

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.82	50.30			1025
Hydro					
KDPH	0.84	4.51	36	34	36
VTRNA	0.99	5.19	61	0	60
TILLARI	0.06	0.42	60	0	57
BHTGR/VEER	0.26	1.80	11	11	11
BHIRA T.R.	0.17	1.24	41	0	80
RNGR+BHTSA	0.29	1.98	12	12	12
BHANDARDRA	0.70	2.92	29	29	29
ELDARY	0.20	1.27	9	7	8
SMLHY PTN	0.62	3.81	33	23	9
GHATGHAR	1.10	7.46	250	0	0
Total	5.23	30.60			302
Wind					
MalharPeth	0.47	4.13			
Vankuswadi	0.57	6.71			
ATIT	0.09	0.89			
Kale	0.24	2.46			
Satara	0.49	8.44			
Shirala	0.26	2.07			
K Mahankal	0.33	3.36			
Supa	0.06	1.14			
Vita	0.87	9.30			
Dondaicha	5.77	45.39			
Sakri	0.35	4.90			
Nandurbar	0.58	4.58			
Khandke	0.30	3.71			
Khaparale	0.50	4.38			
Total	10.89	101.48			
CPP					
JSW JAIGAD	26.55	189.51	1110	1091	1002
WARDHA	9.80	63.01	426	334	426
Other CPPs	9.61	67.11			
Total	45.96	319.63			1428
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.65	73.38	508	282	500
Trombay 6	6.18	38.42	352	158	500
Trombay 7A	2.77	19.33	125	88	120
Trombay 7B	1.58	11.03	69	57	60
Trombay 8	5.98	41.30	251	244	250
TATA Hydro	4.72	24.92	407	0	447
Total	31.87	208.39			1877
REL					
1&2	12.59	87.97	526	523	500
Total	12.59	87.97			500
Cent Sect					
Share					4862
Total					4862

MS PG CL	Thermal	134.90	881.18		5321
	Thml+Gas	146.30	959.56		5781
	Hydro	17.04	80.90		1327
	Total	163.34	1040.46		7108
State Total		264.69	1758.62		15775

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/May/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	5430	803	474	6707	331	1931	4612	4875	-592	-761	13083	102	13185	2175	15360	49.78
2	5487	634	475	6596	409	1923	4520	4248	-490	-570	12606	197	12803	1978	14781	49.64
3	5497	403	475	6375	567	1929	4488	4090	-460	-449	12512	220	12732	1858	14590	49.67
4	5477	249	477	6203	696	1927	4492	4046	-460	-376	12496	231	12727	1777	14504	49.68
5	5493	249	480	6222	584	1928	4482	4100	-450	-327	12507	240	12747	1740	14487	49.62
6	5513	330	483	6326	370	1930	4437	4313	-396	-305	12634	419	13053	1797	14850	49.67
7	5533	270	484	6287	412	1928	4473	3973	-409	-288	12312	975	13287	1804	15091	49.88
8	5656	275	479	6410	384	1882	4527	4008	-416	-287	12397	1042	13439	1895	15334	49.88
9	5649	261	466	6376	512	1895	4612	4146	-465	-391	12538	1107	13645	2188	15833	49.86
10	5664	366	471	6501	473	1886	4704	5116	-535	-541	13435	710	14145	2619	16764	49.77
11	5668	874	467	7009	188	1920	4727	5354	-708	-726	13745	679	14424	2878	17302	49.73
12	5716	1611	461	7788	204	1931	4884	4707	-872	-832	13798	831	14629	2952	17581	49.76
13	5710	1960	469	8139	91	1929	4900	4430	-878	-868	13721	910	14631	2942	17573	49.76
14	5690	1528	461	7679	129	1933	4880	4753	-824	-856	13651	788	14439	2859	17298	49.72
15	5652	1540	464	7656	179	1928	4903	4682	-820	-813	13657	613	14270	2922	17192	49.67
16	5631	1692	465	7788	285	1934	4950	4640	-843	-816	13838	618	14456	2924	17380	49.72
17	5661	1131	483	7275	546	1897	4920	4508	-805	-759	13467	654	14121	2901	17022	49.86
18	5602	378	466	6446	660	1849	4481	4131	-649	-603	12483	117	12600	2805	15405	50.02
19	5602	242	583	6427	970	1847	4483	3706	-535	-496	12454	67	12521	2657	15178	50.04
20	5703	268	463	6434	870	1894	4953	4403	-564	-499	13102	146	13248	2686	15934	49.95
21	5690	279	463	6432	759	1935	4950	4026	-565	-450	12702	435	13137	2608	15745	49.91
22	5688	228	463	6379	593	1929	4907	3707	-599	-473	12135	429	12564	2488	15052	49.78
23	5643	522	463	6628	352	1936	4858	4557	-650	-600	12873	80	12953	2428	15381	49.38
24	5665	950	463	7078	320	1935	4804	4520	-688	-735	13118	33	13151	2403	15554	49.55
MUs	134.72	17.04	11.40	163.16	10.88	45.96	112.95	105.04	-14.67	-13.82	311.26	11.64	322.91	58.28	381.19	49.76

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/May/2012

Position as on 6.30 Hrs of 08/May/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect NTPC(V-4)	210	25/04/2012	00.07		Continued.	Annual Overhaul.	
Paras Unit 4	250	01/05/2012	03.25		Continued.	Annual Overhaul.	30/05/2012
FORCED OUTAGE							
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Dabhol 1A	230	30/03/2012	23.29		Continued.	Gas Shortage	
Dabhol 1X	290	31/03/2012	19:43		Continued.	Maintenance work.	
Dabhol 1B	230	31/03/2012	19:45		Continued.	Maintenance work.	
Cent_Sect Kawas GT1A	106	26/04/2012	18:13		Continued.	Less requisition.	
Cent_Sect Kawas GT1B	106	26/04/2012	18:16	07/05/2012	10.39	Less requisition.	
Uran Unit 5	108	29/04/2012	11.20		Continued.	Gas Shortage	
Koyna Unit 3	75	30/04/2012	11.20	07/05/2012	15.10	For Installation & Commissioning of Numerical Relay.	10/05/2012
Dabhol 3B	230	04/05/2012	11.18		Continued.	Gas shortage.	
Cent_Sect Sipat U-1	660	07/05/2012	09.44	07/05/2012	20.44	P A Fan problem.	
Uran Unit 6	108	07/05/2012	16.36	07/05/2012	19.46	Withdrawn due to gas restriction.	
CPP WPCL U-4	135	07/05/2012	16.39	07/05/2012	18.56	Withdrawn due to Governor problem.	

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

Position as on 6.30 Hrs of 08/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Chandrapur - Bhadravati - III	05/05/2012	17.53	07/05/2012	12.03	Over Voltage.
Kolhapur - Mapusa - II	06/05/2012	18.03	07/05/2012	09.41	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - III	07/05/2012	18.08		Continued.	Tripped on over voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	22/03/2012	11.00		Continued.	High tan delta value of bushing.
50MVAR Reactor C'Pur - Parli -I at Parli end	16/04/2012	16.50		Continued.	Filtration work
Dabhol-Nagothane - II	08/05/2012	09.04	08/05/2012	21.24	R.M.Work & Testing Work.
Padgha - Babaleshwar - II	08/05/2012	14.54	08/05/2012	19.53	Replacement of Breaker Insulator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthening work
Khargar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthening work
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS at 20.30Hrs Dt.18/2/12
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
220/110 KV, 100 MVA T/F @ Tilwani	07/05/2012	09.12	07/05/2012	16.57	Attending oil leakage and Bay Maintenance.
Lote - N.Koyna	07/05/2012	10.10	07/05/2012	14.45	Bay maintenance.
Tillawni-Talangade-I	07/05/2012	10.13	07/05/2012	17.35	Tan delta measurement.
Auxiliary Bus @ Babhleshwar	07/05/2012	13.55	07/05/2012	16.05	Conductor replacement work.
Lote - Dasturi	07/05/2012	15.30	07/05/2012	18.15	LBB Protection connected to control panel @ Lote S/S.
Main Bus @ Miraj	08/05/2012	09.00	08/05/2012	12.30	Attending Hot Spot.
Auxiliary Bus @ Babhleshwar	08/05/2012	09.20		Continued.	Conductor Replacement Work.
Bale - Tuljapur	08/05/2012	09.38	08/05/2012	12.41	Wave Trap Clamp Nut Bolt Replacement.
Bale - Tuljapur	08/05/2012	10.38	08/05/2012	12.41	Replacement of R Ph.WT Clamp Nut Bolt.
Koradi-Ambazari-I	08/05/2012	10.41	08/05/2012	13.24	Auxillary Bus Isolator Erection Work.
Valve-Jamde	08/05/2012	10.45	08/05/2012	13.00	Repl.of R & B Ph.C T to Line Isolator Jumper.
Pedambe-Mahad	08/05/2012	11.00	08/05/2012	19.43	R.M.Work.
Satara - Vankuswadi	08/05/2012	11.10	08/05/2012	15.50	Q.M.Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Harangul-Ujani-II	08/05/2012	08.47	08/05/2012	10.07	Repl.of Y Ph.Disc Insulator String @ Loc.77.
Girwali - Gangakhed	08/05/2012	09.23	08/05/2012	12.50	Fixing of PG Clamp @ Loc. 16.

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

Position as on 6.30 Hrs of 08/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Kawlewada-Madgi-I	08/05/2012	10.00	08/05/2012	13.20	Quarterly Maintenance Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	04/05/2012	20.39		Continued.	Over Voltage.
Bhusawal- Aurangabad	06/05/2012	21.50	07/05/2012	05.36	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	24/04/2012	17.56		Continued.	To Control Padgha ICT.
Padgha-Temghar I	02/05/2012	20.34	07/05/2012	12.22	To Control Load on ICT @ Padgha.
Malinagar-Temburni	08/05/2012	11.21		Continued.	To Control Loading of 220 KV Padharpur- Lamboti Line.
Voltage Level : 400KV			Outage Type TRIPPED		
Bablsr-Padgha Ckt I	07/05/2012	04.27	07/05/2012	04.41	Distance Protection
Bablsr-Padgha Ckt I	07/05/2012	05.17	07/05/2012	12:37	Distance Protection
Bhusawal- Aurangabad	07/05/2012	20.24	08/05/2012	06.14	Over Voltage.
Bablsr-Padgha Ckt I	08/05/2012	06.13	08/05/2012	14.12	Dist. protection.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132KV, 200 MVA ICT-I at Dhule	07/05/2012	23.41	08/05/2012	00.02	Oil Temp High.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Kalyan	07/05/2012	06.17	07/05/2012	06.34	Tripped
Kalwa-Kalyan	08/05/2012	12.40	08/05/2012	17.51	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	125
Unit 7	210	160
	620	415
Bhusawal		
Unit 2	210	175
Unit 3	210	170
Unit 4	500	
Unit 5	500	
	1420	345
Parli		
Unit 3	210	190
Unit 4	210	165
Unit 5	210	180
Unit 6	250	201
Unit 7	250	220
	1130	956
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	190
Unit 4	210	200
Unit 5	500	470
Unit 6	500	430
Unit 7	500	450
	2340	2070
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	180
Unit 5	500	250
	1340	970
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	190
	630	610
Uran		
All Units	852	460
	852	460
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Hydro		
KDPH	40	36
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	11
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	20
ELDARY	23	8
SMLHY PTN	12	0
GHATGHAR	250	0
	611	287
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	1002
WARDHA	405	363
Other CPPs	0	
	1005	1365
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	5175
	3455	5175

	18400	7 of 7 16370
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