



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/May/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.556	1395.684	1) Gujrat	5.345	14.828
2) Hydro	9.427	136.833	2) Madhya Pradesh	16.843	188.393
3) Gas	11.065	122.641	3) Chattisgarh	11.430	119.880
Total MSGENCO	142.048	1655.158	4) Maharashtra	60.217	654.170
B) OTHERS			5) Goa	-6.981	-73.161
1) JSW JAIGAD	27.042	296.353	6) TAPS 1&2 Injection	7.771	85.117
2) WPCL	10.621	104.762	7) RGPPL Injection	19.408	231.719
3) Other CPP / IPP	9.131	104.021	8) Pench (Excess)	-0.250	-1.663
4) Wind Generation	8.196	138.460	# Total Cent. Sector	113.783	1219.283
5) PENCH (MS)	0.250	1.663	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-15.033	-150.708
1) TPCL Thermal	27.663	295.167	G) Bilateral Power *		
2) TPCL Hydro	4.199	43.045	1) MSEDCL Bilateral	38.674	421.304
TOTAL TPCL	31.862	338.212	Include PX	-1.063	-2.127
3) REL Thermal	12.565	138.266	2) MUMBAI Bilateral	16.093	155.193
D) STATE			Include PX	2.800	25.217
1) Thermal (A1+C1+C3)	161.784	1829.117	3) MUMBAI Schedule	16.093	155.193
2) Hydro (A2+B5+C2)	13.876	181.541	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.065	122.641	1) MSEDCL	296.038	3368.992
4) Wind (B4)	8.196	138.460	2) TPCL	39.264	415.128
5) CPP (B1+B2+B3)	46.794	505.136	3) REL	20.194	212.026
TOTAL STATE	241.715	2776.895	TOTAL STATE	355.496	3996.146

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4978	5045	5057
MSGENCO Hydro	805	416	144
MSGENCO Gas	457	459	463
MSGENCO Total Generation	6240	5920	5664
Central Sector Receipt	4992	5037	4296
WIND	155	363	297
CPP / IPP	1957	1941	1957
Exchange with Mumbai	-817	-1004	-356
MSEDCL DEMAND MET	12527	12257	11882
Load Shedding	696	407	203
MSEDCL DEMAND	13223	12664	12085
TPCL GENERATION	1588	1386	1018
R-INFRA GENERATION	525	524	524
TPCL+R-INFRA DEMAND	2930	2914	1898
STATE DEMAND MET	15457	15171	13780
STATE DEMAND	16153	15578	13983
Frequency (Hz)	49.75	49.80	49.86

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 18.01 Hrs	49.23 Hz at 22.07 Hrs	49.79	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 11/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.00	34.58	137	108	125
Unit 6	2.94	31.28	140	110	125
Unit 7	3.31	37.42	160	110	145
Total	9.26	103.28			395
Bhusawal					
Unit 2	3.70	41.14	165	145	175
Unit 3	4.19	44.18	185	165	170
Unit 4	1.92	33.40	130	0	0
Unit 5	0.00	0.00	0	0	0
Total	9.80	118.72			345
Parli					
Unit 3	4.55	49.56	203	178	185
Unit 4	3.78	40.72	183	132	140
Unit 5	3.84	44.64	178	126	175
Unit 6	5.39	44.92	244	180	220
Unit 7	5.04	39.35	232	160	200
Total	22.61	219.20			920
Chandrapur					
Unit 1	0.00	35.41	0	0	0
Unit 2	3.96	40.90	171	160	146
Unit 3	4.33	48.49	186	174	170
Unit 4	4.00	46.20	194	112	170
Unit 5	10.94	120.15	470	435	414
Unit 6	9.90	110.83	430	390	386
Unit 7	9.72	108.75	424	375	395
Total	42.85	510.72			1681
Paras					
Unit 3	6.00	52.64	261	234	250
Unit 4	0.00	0.59	0	0	0
Total	6.00	53.23			250
Khaparkheda					
Unit 1	0.62	42.82	175	0	0
Unit 2	4.38	46.84	195	173	190
Unit 3	4.95	49.09	219	183	200
Unit 4	4.95	48.82	219	182	200
Unit 5	2.37	57.66	264	0	250
Total	17.27	245.23			840
Nasik					
Unit 3	5.18	49.64	220	205	210
Unit 4	4.25	49.09	201	148	160
Unit 5	4.33	46.58	188	174	180
Total	13.76	145.30			550
Uran					
All Units	11.06	122.64	469	453	460
Total	11.06	122.64			460
PENCH (MS)					
Pench (MS)	0.25	1.66	25	0	
Total	0.25	1.66			
Koyna					
Stage 1-2	3.65	38.85	520	40	520
Stage 4	0.00	31.47	0	0	250
Stage 3	1.37	15.78	240	0	320
Kovna 12&4 Total	3.65	70.32			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.02	86.10			1090
Hydro					
KDPH	0.83	7.85	35	34	36
VTRNA	1.15	9.76	61	0	0
TILLARI	0.07	0.78	55	0	0
BHTGR/VEER	0.04	2.31	2	1	8
BHIRA T.R.	0.22	2.11	80	0	80
RNGR+BHTSA	0.27	3.04	12	11	12
BHANDARDRA	0.64	5.58	27	26	26
ELDARY	0.00	1.74	0	0	0
SMLHY PTN	0.73	6.72	37	27	10
GHATGHAR	0.45	10.84	125	0	0
Total	4.41	50.73			172
Wind					
MalharPeth	0.30	5.35			
Vankuswadi	0.50	8.65			
ATIT	0.07	1.25			
Kale	0.23	3.33			
Satara	0.14	9.40			
Shirala	0.15	2.72			
K Mahankal	0.92	6.50			
Supa	0.15	1.81			
Vita	0.73	12.09			
Dondaicha	3.45	63.33			
Sakri	0.45	6.73			
Nandurbar	0.32	6.28			
Khandke	0.35	5.12			
Khaparale	0.43	5.90			
Total	8.20	138.46			
CPP					
JSW JAIGAD	27.04	296.35	1138	1113	1017
WARDHA	10.62	104.76	450	434	450
Other CPPs	9.13	104.02			
Total	46.79	505.14			1467
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.53	118.96	503	371	500
Trombay 6	5.58	62.30	371	157	500
Trombay 7A	2.94	31.11	126	120	120
Trombay 7B	1.64	17.58	69	67	60
Trombay 8	5.97	65.21	253	242	250
TATA Hydro	4.20	43.04	365	0	447
Total	31.86	338.21			1877
REL					
1&2	12.56	138.27	526	521	500
Total	12.56	138.27			500
Cent Sect					
Share					5287
Total					5287

MS PG CL	Thermal	121.56	1395.68			4981
	Thml+Gas	132.62	1518.32			5441
	Hydro	9.43	136.83			1262
	Total	142.05	1655.16			6703
State Total		241.72	2776.90			15834

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	5112	429	466	6007	300	1954	5096	4648	-696	-571	12361	157	12518	2305	14823	49.78
2	5145	254	463	5862	368	1954	4972	4608	-567	-450	12365	163	12528	2097	14625	49.81
3	5095	144	466	5705	439	1931	4891	4183	-486	-374	11908	189	12097	1970	14067	49.84
4	5057	144	463	5664	297	1957	4838	4296	-447	-356	11882	203	12085	1898	13983	49.86
5	5094	252	462	5808	202	1956	4806	4303	-414	-351	11943	208	12151	1866	14017	49.80
6	5206	363	465	6034	275	1953	4850	4521	-460	-401	12400	307	12707	1896	14603	49.79
7	5228	339	465	6032	376	1954	4875	4126	-448	-372	12116	579	12695	1886	14581	49.91
8	5227	211	462	5900	374	1953	4882	4220	-451	-358	12089	576	12665	1986	14651	49.92
9	5252	234	459	5945	409	1947	4907	4465	-475	-529	12237	582	12819	2274	15093	49.94
10	5277	281	459	6017	241	1945	5012	5053	-638	-769	12487	427	12914	2649	15563	49.92
11	5098	555	458	6111	151	1954	5170	5325	-832	-870	12671	448	13119	2878	15997	49.78
12	4978	805	457	6240	155	1957	5258	4992	-924	-817	12527	696	13223	2930	16153	49.75
13	5018	699	456	6173	134	1960	5257	5024	-918	-780	12511	811	13322	2934	16256	49.81
14	5051	590	453	6094	180	1958	5212	5129	-870	-757	12604	696	13300	2878	16178	49.76
15	5080	749	454	6283	187	1945	5217	5213	-878	-820	12808	560	13368	2930	16298	49.61
16	5037	889	455	6381	259	1957	5177	5000	-847	-882	12715	436	13151	2933	16084	49.77
17	5045	416	459	5920	363	1941	5239	5037	-913	-1004	12257	407	12664	2914	15578	49.80
18	4991	215	459	5665	255	1953	4560	4510	-793	-915	11468	349	11817	2851	14668	49.88
19	4990	234	463	5687	467	1951	4493	4245	-657	-827	11523	254	11777	2688	14465	49.96
20	4906	304	465	5675	504	1945	5278	4902	-703	-587	12459	179	12638	2711	15349	49.71
21	4902	243	460	5605	574	1937	5203	4933	-620	-507	12565	190	12755	2638	15393	49.78
22	4878	222	460	5560	537	1945	5214	4764	-647	-539	12290	315	12605	2509	15114	49.72
23	4973	345	469	5787	566	1945	5102	5153	-679	-594	12881	113	12994	2429	15423	49.50
24	4914	510	467	5891	583	1942	5071	5132	-728	-603	12968	84	13052	2410	15462	49.60
MUs	121.55	9.43	11.07	142.05	8.20	46.79	120.58	113.78	-16.09	-15.03	296.03	8.93	304.96	59.46	364.42	49.79

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 11/May/2012

Position as on 6.30 Hrs of 12/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.	
Uran Unit 5	108	29/04/2012	11.20		Continued.	Gas Shortage	
Dabhol 3B	230	04/05/2012	11.18		Continued.	Gas shortage.	
Chandrapur Unit 1	210	10/05/2012	14.55		Continued.	Econamiser Tube Leakage.	
Khaparkheda Unit 1	210	11/05/2012	03.30	11/05/2012	22.48	Air Heater Problem.	
Khaparkheda Unit 5	500	11/05/2012	10.20		Continued.	Gen.Prot.Operated.	
Bhusawal Unit 4	500	11/05/2012	17.36	11/05/2012	22.44	Class A Protection.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/May/2012

Position as on 6.30 Hrs of 12/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad-Lonikand	11/05/2012	10.14	11/05/2012	18.04	For taking reactor in service.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Sarani - Pandurna	10/05/2012	08.38		Continued.	Erection of New Tower @ Loc.No.4AR/MC 10 Outage upto
Tarapur - Borivali	11/05/2012	23.31	12/05/2012	06.22	Outage of Borivali Main Bus.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	09/05/2012	22.20		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	10/05/2012	08.35		Continued.	Over Voltage.
Kolhapur - Mapusa - I	10/05/2012	18.49	11/05/2012	09.58	Over Voltage.
Kolhapur - Mapusa - II	11/05/2012	18.11		Continued.	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
TBC @ Chandrapur	10/05/2012	09.55	11/05/2012	17.36	To Attend Y Ph. Gas Leakage.
400/220KV 315MVA ICT-II @ New Koyna	10/05/2012	16.39		Continued.	Taken on TBC for Main Breaker Overhauling.
400/220 KV 315 MVA ICT-II @ Dhule	11/05/2012	08.23		Continued.	Erection of TA-2 and TA-6 type gantry and stringing work.
400/220 KV 315 MVA ICT-II @ Kharghar	11/05/2012	09.12	11/05/2012	18.36	Q.M.Work
Bablsr-Aurangabad	11/05/2012	10.36	11/05/2012	16.51	Replacement of B-Ph CT.
M.B-II At 400KV Parli	11/05/2012	11.50	11/05/2012	23.12	Jumper connection bet.existing M.B.II and extended bus of new 500 MVA ICT-III.
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
Kharghar-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.
Auxiliary Bus @ Babbleshwar	08/05/2012	09.20		Continued.	Conductor Replacement Work.
Trombay-Mulund	11/05/2012	06.02		Continued.	Attending Hot Spot on R & B Ph.C T.
Trombay-Mulund	11/05/2012	06.04	11/05/2012	09.14	Attending hot spot on R & B Ph CT.
Khaparkheda New - Khaparkheda Old - I	11/05/2012	08.26	11/05/2012	15.29	Measurement of contact ressiatances measurement of tan delta of CT.
220/132 KV 200 MVA ICT I at BSL-II	11/05/2012	08.46		Continued.	Attending oil leakage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/May/2012

Position as on 6.30 Hrs of 12/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Pophali - Karad	11/05/2012	08.48	12/05/2012	00.42	R.M.work
Padgha-Vasai	11/05/2012	08.55	11/05/2012	18.30	Hot spot attending and relay testing work.
220/132KV 200MVA ICT-I at Malegaon	11/05/2012	09.00	11/05/2012	13.27	Q.M.Work
220/100 KV 200 MVA ICT-II @ Apta	11/05/2012	09.05	11/05/2012	17.34	Hot Spot attending
Tilwani - Talandge - II	11/05/2012	10.02	11/05/2012	16.44	Q.M.Work
Mahape - Siemens	11/05/2012	10.14	11/05/2012	18.08	Water Proofing work at Siemens and CRM work at Mahape.
Jambhual - Pal-I	11/05/2012	10.31	11/05/2012	17.00	CRM and BKR timing.
Kalwa - Ghatghar	11/05/2012	10.37	11/05/2012	18.06	CT oil leakage.
Kalwa-Temghar	11/05/2012	12.14	11/05/2012	20.30	Repl.of isolator.
Jejuri - Parvati	11/05/2012	19.54	11/05/2012	21.10	To attend R-Ph CT Clamp sparking.
Main Bus @ Borivali	11/05/2012	23.40	12/05/2012	06.18	Removing existing jumper which is erected over north side beam gantry.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Creek side Bus at Kalwa	11/05/2012	05.40	11/05/2012	18.55	Conductor convert from single to twin.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	04/05/2012	20.39		Continued.	Over Voltage.
Bhusawal- Aurangabad	10/05/2012	17.11	11/05/2012	10.28	Over Voltage.
Bableshtar-Aurangabad	11/05/2012	17.05	11/05/2012	18.50	VT fuse fail alarm received at BBLSR end.
Bhusawal- Aurangabad	11/05/2012	18.49		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	24/04/2012	17.56		Continued.	To Control Padgha ICT.
Malinagar-Temburni	08/05/2012	11.21		Continued.	To Control Loading of 220 KV Padharpur- Lamboti Line.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT - I @ Chakan	11/05/2012	17.31	11/05/2012	18.08	NDR.
400/220 KV 315 MVA ICT-II @ Chakan	11/05/2012	17.33	11/05/2012	18.09	NDR.
Voltage Level : 220KV			Outage Type TRIPPED		
Chaligaon-BSL-I	10/05/2012	14.58	11/05/2012	00.01	Distance Protection B Ph Z-I.
Ghatghar - Washala	10/05/2012	19.20	11/05/2012	03.37	Distance Protection.
Pophali - KDPH	12/05/2012	00.55		Continued.	Dist.Prot Z-I,declared faulty.
KDPH-Wankuswadi	12/05/2012	00.55	12/05/2012	02.30	Dist.Prot R-Ph Z-II.
Karad-Pedambe	12/05/2012	01.16		Continued.	Dist.Prot Z-I R-Ph to E.
Voltage Level : 132KV			Outage Type TRIPPED		
Padegaon-Pishor	10/05/2012	22.05	11/05/2012	05.38	Distance Protection,R Y B Ph.
132 KV Bus Coupler @ Kalmeshwar	11/05/2012	08.46	11/05/2012	17.10	BKR.Overhaul.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Pal	11/05/2012	05.40		Continued.	100 KV Kalwa Creek bus outage,Tower at Loc.No.9 collapsed at 19.42 Hrs.
Pal-Taloja	11/05/2012	19.42		Continued.	Distance Protection,Tower at Loc.9 collapsed at 19.42 Hrs.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	145
Unit 6	210	130
Unit 7	210	145
	620	420
Bhusawal		
Unit 2	210	170
Unit 3	210	170
Unit 4	500	
Unit 5	500	
	1420	340
Parli		
Unit 3	210	185
Unit 4	210	150
Unit 5	210	125
Unit 6	250	160
Unit 7	250	175
	1130	795
Chandrapur		
Unit 1	210	0
Unit 2	210	165
Unit 3	210	190
Unit 4	210	160
Unit 5	500	470
Unit 6	500	425
Unit 7	500	425
	2340	1835
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	
	1340	720
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	162
	630	546
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	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	27
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	294
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	1030
WARDHA	405	450
Other CPPs	0	
	1005	1480
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	5167
	3455	5167

	18400	7 of 7 15774
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