



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/May/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	132.109	1146.784	1) Gujrat	0.199	8.767
2) Hydro	18.433	115.103	2) Madhya Pradesh	17.731	156.618
3) Gas	11.018	100.469	3) Chattisgarh	11.680	97.190
Total MSGENCO	161.560	1362.356	4) Maharashtra	59.872	535.146
B) OTHERS			5) Goa	-6.948	-59.188
1) JSW JAIGAD	26.554	242.615	6) TAPS 1&2 Injection	7.744	69.635
2) WPCL	10.329	83.733	7) RGPPL Injection	19.456	192.812
3) Other CPP / IPP	9.297	85.704	8) Pench (Excess)	-0.357	-1.338
4) Wind Generation	8.271	116.427	# Total Cent. Sector	109.377	999.642
5) PENCH (MS)	0.357	1.338	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.795	-120.281
1) TPCL Thermal	28.519	239.953	G) Bilateral Power *		
2) TPCL Hydro	5.082	34.830	1) MSEDCL Bilateral	35.203	347.431
TOTAL TPCL	33.601	274.783	Include PX	-0.468	-0.468
3) REL Thermal	12.578	113.130	2) MUMBAI Bilateral	14.920	123.843
D) STATE			Include PX	2.298	19.989
1) Thermal (A1+C1+C3)	173.206	1499.867	3) MUMBAI Schedule	14.920	123.843
2) Hydro (A2+B5+C2)	23.872	151.271	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.018	100.469	1) MSEDCL	311.950	2771.534
4) Wind (B4)	8.271	116.427	2) TPCL	39.704	336.619
5) CPP (B1+B2+B3)	46.180	412.052	3) REL	20.265	171.546
TOTAL STATE	262.547	2280.086	TOTAL STATE	371.919	3279.699

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	5398	5541	5565
MSGENCO Hydro	2039	961	220
MSGENCO Gas	454	456	463
MSGENCO Total Generation	7891	6958	6248
Central Sector Receipt	4764	4461	4219
WIND	117	422	471
CPP / IPP	1925	1936	1939
Exchange with Mumbai	-841	-745	-418
MSEDCL DEMAND MET	13856	13038	12459
Load Shedding	761	418	247
MSEDCL DEMAND	14617	13456	12706
TPCL GENERATION	1627	1705	947
R-INFRA GENERATION	523	524	524
TPCL+R-INFRA DEMAND	2991	2974	1889
STATE DEMAND MET	16847	16012	14348
STATE DEMAND	17608	16430	14595
Frequency (Hz)	49.76	49.79	49.72

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 18.04 Hrs	49.13 Hz at 22.34 Hrs	49.77	.46 % 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 09/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.19	28.63	144	125	135
Unit 6	2.86	25.54	140	76	130
Unit 7	3.08	31.02	140	75	135
Total	9.13	85.18			400
Bhusawal					
Unit 2	3.92	33.58	180	155	175
Unit 3	4.22	35.89	180	170	170
Unit 4	3.15	28.35	144	120	
Unit 5	0.00	0.00	0	0	
Total	11.29	97.82			345
Parli					
Unit 3	4.64	40.81	205	169	195
Unit 4	3.63	33.30	178	117	170
Unit 5	4.01	37.08	177	152	175
Unit 6	5.39	33.95	235	205	230
Unit 7	4.93	29.59	242	191	204
Total	22.60	174.72			974
Chandrapur					
Unit 1	3.87	33.06	169	156	160
Unit 2	3.96	33.05	168	161	165
Unit 3	4.46	39.82	192	179	190
Unit 4	4.31	38.19	201	154	170
Unit 5	10.96	98.22	480	435	475
Unit 6	10.27	91.04	455	410	430
Unit 7	9.18	89.96	425	290	410
Total	47.02	423.34			2000
Paras					
Unit 3	5.97	40.64	258	201	250
Unit 4	0.00	0.59	0	0	0
Total	5.97	41.22			250
Khaparkheda					
Unit 1	4.24	38.09	190	140	180
Unit 2	4.32	38.34	190	170	180
Unit 3	4.43	39.53	190	179	180
Unit 4	4.47	39.29	199	181	180
Unit 5	4.79	51.57	267	154	200
Total	22.24	206.82			920
Nasik					
Unit 3	5.21	39.30	220	210	210
Unit 4	4.45	40.52	207	150	210
Unit 5	4.20	37.86	199	153	190
Total	13.86	117.68			610
Uran					
All Units	11.02	100.47	467	449	460
Total	11.02	100.47			460
PENCH (MS)					
Pench (MS)	0.36	1.34	47	0	
Total	0.36	1.34			
Koyna					
Stage 1-2	5.02	32.12	515	35	520
Stage 4	5.62	28.86	846	0	250
Stage 3	1.97	13.01	240	0	320
Kovna 12&4 Total	10.64	60.98			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	12.60	73.99			1090
Hydro					
KDPH	0.84	6.19	35	34	36
VTRNA	1.07	7.40	61	0	60
TILLARI	0.11	0.65	55	0	60
BHTGR/VEER	0.18	2.21	8	7	10
BHIRA T.R.	0.18	1.63	41	0	80
RNGR+BHTSA	0.26	2.51	11	11	11
BHANDARDRA	0.65	4.29	28	27	30
ELDARY	0.20	1.67	9	8	9
SMLHY PTN	0.75	5.29	38	28	11
GHATGHAR	1.59	9.29	250	0	0
Total	5.83	41.11			307
Wind					
MalharPeth	0.21	4.77			
Vankuswadi	0.44	7.70			
ATIT	0.06	1.12			
Kale	0.17	2.88			
Satara	0.16	9.12			
Shirala	0.16	2.43			
K Mahankal	0.95	4.72			
Supa	0.14	1.46			
Vita	0.46	10.87			
Dondaicha	4.10	51.59			
Sakri	0.39	5.45			
Nandurbar	0.38	5.20			
Khandke	0.32	4.27			
Khaparale	0.33	4.84			
Total	8.27	116.43			
CPP					
JSW JAIGAD	26.55	242.62	1115	1096	1002
WARDHA	10.33	83.73	440	378	439
Other CPPs	9.30	85.70			
Total	46.18	412.05			1441
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.28	95.82	503	291	500
Trombay 6	6.68	51.33	431	158	500
Trombay 7A	2.95	25.21	125	121	120
Trombay 7B	1.64	14.31	69	67	60
Trombay 8	5.98	53.28	252	245	250
TATA Hydro	5.08	34.83	471	0	447
Total	33.60	274.78			1877
REL					
1&2	12.58	113.13	526	522	500
Total	12.58	113.13			500
Cent Sect					
Share					4893
Total					4893

MS PG CL	Thermal	132.11	1146.78			5499
	Thml+Gas	143.13	1247.25			5959
	Hydro	18.43	115.10			1397
	Total	161.56	1362.36			7356
State Total		262.55	2280.09			16067

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/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	5538	760	460	6758	429	1935	4796	4629	-640	-582	13194	123	13317	2220	15537	49.86
2	5573	542	461	6576	489	1940	4649	4234	-506	-432	12832	229	13061	2067	15128	49.79
3	5553	323	462	6338	474	1941	4581	4262	-458	-400	12618	244	12862	1960	14822	49.69
4	5565	220	463	6248	471	1939	4561	4219	-458	-418	12459	247	12706	1889	14595	49.72
5	5627	278	463	6368	412	1936	4550	4314	-458	-431	12599	252	12851	1846	14697	49.70
6	5626	302	467	6395	473	1938	4528	4536	-441	-398	12944	379	13323	1873	15196	49.83
7	5623	228	465	6316	587	1930	4523	4423	-414	-368	12888	647	13535	1875	15410	49.93
8	5588	217	465	6270	269	1878	4591	4530	-423	-381	12566	641	13207	1976	15183	49.88
9	5548	401	460	6409	210	1876	4630	4544	-479	-500	12539	649	13188	2314	15502	49.81
10	5494	1074	458	7026	214	1874	4697	5052	-562	-643	13523	475	13998	2661	16659	49.86
11	5407	1340	456	7203	200	1926	4778	5580	-709	-843	14066	484	14550	2959	17509	49.86
12	5398	2039	454	7891	117	1925	4940	4764	-870	-841	13856	761	14617	2991	17608	49.76
13	5460	1657	455	7572	126	1920	4926	4668	-855	-726	13560	848	14408	2988	17396	49.72
14	5515	1624	454	7593	127	1925	4847	4638	-776	-663	13630	720	14350	2945	17295	49.72
15	5444	1728	451	7623	167	1924	4914	4813	-839	-692	13882	557	14439	2978	17417	49.70
16	5444	1824	449	7717	310	1930	4934	4466	-862	-708	13762	434	14196	2988	17184	49.71
17	5541	961	456	6958	422	1936	4892	4461	-820	-745	13038	418	13456	2974	16430	49.79
18	5506	268	461	6235	435	1929	4436	4609	-647	-699	12509	379	12888	2899	15787	49.89
19	5482	264	459	6205	477	1922	4433	4023	-555	-715	11912	69	11981	2733	14714	49.97
20	5444	272	462	6178	411	1931	4933	4580	-593	-509	12614	317	12931	2792	15723	49.79
21	5465	232	463	6160	299	1931	4943	4692	-574	-502	12627	460	13087	2694	15781	49.77
22	5504	227	462	6193	277	1936	4926	4479	-610	-548	12384	451	12835	2550	15385	49.82
23	5440	781	456	6677	328	1928	4831	4488	-660	-490	12978	142	13120	2421	15541	49.51
24	5327	871	456	6654	547	1930	4808	4375	-709	-561	12975	92	13067	2381	15448	49.49
MUs	132.11	18.43	11.02	161.56	8.27	46.18	113.65	109.38	-14.92	-13.80	311.96	10.02	321.97	59.97	381.95	49.77

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 09/May/2012

Position as on 6.30 Hrs of 10/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
Koyna Unit 6	75	08/05/2012	08.10	09/05/2012	19.00	Turbine Guide Bearing Replacement.	
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.	
Koyna Unit 3	75	09/05/2012	13.25	09/05/2012	17.00	Tripped on Jerk.	
Chandrapur Unit 1	210	10/05/2012	14.55		Continued.	Econamiser Tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/May/2012

Position as on 6.30 Hrs of 10/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	05/05/2012	17.51	09/05/2012	19.30	Over Voltage
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		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
New Koyna - Karad - I	07/05/2012	14.49	10/05/2012	15.51	Line taken on TBC at NEW Koyna end for breaker over hauling.
Bus Bar @ Girawali	09/05/2012	10.15	09/05/2012	21.52	New 400 KV Bus Bar protection Commissioned.
Main Bus - II @ Lamboti	09/05/2012	12.24	09/05/2012	14.51	Q.M.Work.
Karad-Jaigad I	09/05/2012	14.26	09/05/2012	20.00	Insulator Washing.
400/220 KV 500 MVA ICT-II at Lamboti	09/05/2012	16.56	09/05/2012	18.27	Attending Oil Leakage of Y Ph. Unit.
400/220KV,315 MVA ICT-I At Lonikand.	10/05/2012	07.14	10/05/2012	18.29	C B Timing & CRM.
Jejuri-Koyna STG-IV	10/05/2012	09.00	10/05/2012	09.36	Q.M.Work.
TBC @ Chandrapur	10/05/2012	09.55		Continued.	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.
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 strengthing work
Khargar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthing 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 @ Babhleshwar	08/05/2012	09.20		Continued.	Conductor Replacement Work.
Lamboti-Bale-I	09/05/2012	08.16	09/05/2012	16.41	Replacement of Conductor.
Mudshingi - Talandage - I	09/05/2012	09.48	09/05/2012	17.34	L A Replacement Work.
Chalishaon - Bhusawal- II	10/05/2012	08.37	10/05/2012	16.30	Tan Delta Measurment.
Apta-Bombay Dyeing	10/05/2012	09.18	10/05/2012	18.20	Bay Maint.& Trip Coil Testing Work.
Chinchwad - Hinjewadi	10/05/2012	10.29	10/05/2012	17.24	Half Yearly Maintenance.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/May/2012

Position as on 6.30 Hrs of 10/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Karad-Pophali	10/05/2012	10.37	10/05/2012	17.00	Erection of Inline & Making Cutpoint for 220KV Panama Line.
Vita-Mhaisal	10/05/2012	11.45	10/05/2012	17.45	Attending Closing Problem of C B.
SPCL - IPCL	10/05/2012	15.06	10/05/2012	18.48	Replacement of B Ph. C T @ IPCL.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	04/05/2012	20.39		Continued.	Over Voltage.
Bhusawal- Aurangabad	08/05/2012	20.02	09/05/2012	8:46	Over Voltage.
Bhusawal- Aurangabad	09/05/2012	17.30	10/05/2012	06.14	Over Voltage.
Bhusawal- Aurangabad	10/05/2012	17.11		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		
Kalwa - Lonikand	09/05/2012	05.53	09/05/2012	19.39	Distance Protection, Declared Faulty.
400/220KV, 315MVA ICT-I at Karad	10/05/2012	14.25	10/05/2012	15.59	NDR.
400/220KV, 500 MVA ICT-III At A'bad.	10/05/2012	16.50	10/05/2012	20.25	NDR.
Voltage Level : 220KV			Outage Type TRIPPED		
Karad-Pedambe	09/05/2012	13.24	09/05/2012	19.42	Distance Protection.
Pophali - KDPH	09/05/2012	13.25	09/05/2012	14.20	Dist.Prot.Tripped @ KDPH End Only.
Chalisgaon-BSL-I	10/05/2012	14.58		Continued.	Distance Protection B Ph Z-I.
Amalner-Deepnagar	10/05/2012	17.25	10/05/2012	18.05	Distance Protection, Z-I, R Ph.
Voltage Level : 132KV			Outage Type TRIPPED		
Dhule-Dondaicha	10/05/2012	17.55	10/05/2012	18.28	Distance Protection, Z-I, Y Ph.
Kanned-Chalisgaon	10/05/2012	21.55	10/05/2012	22.15	FTR.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	110
Unit 6	210	105
Unit 7	210	120
	620	335
Bhusawal		
Unit 2	210	175
Unit 3	210	170
Unit 4	500	
Unit 5	500	
	1420	345
Parli		
Unit 3	210	180
Unit 4	210	155
Unit 5	210	175
Unit 6	250	220
Unit 7	250	200
	1130	930
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	190
Unit 4	210	150
Unit 5	500	475
Unit 6	500	425
Unit 7	500	400
	2340	1970
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	150
	1340	870
Nasik		
Unit 3	210	210
Unit 4	210	165
Unit 5	210	190
	630	565
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	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	28
ELDARY	23	10
SMLHY PTN	12	10
GHATGHAR	250	0
	611	244
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	440
Other CPPs	0	
	1005	1442
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	5072
	3455	5072