



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Oct/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	92.792	478.740	1) Gujrat	8.397	51.276
2) Hydro	7.835	34.444	2) Madhya Pradesh	21.090	92.670
3) Gas	11.233	42.743	3) Chattisgarh	11.340	57.960
Total MSGENCO	111.860	555.927	4) Maharashtra	51.746	274.324
B) 1) JSW JAIGAD	20.855	122.444	5) Goa	-6.255	-29.227
2) WPCL	9.544	48.559	6) TAPS 1&2 Injection	4.140	21.732
3) ADANI	6.430	49.580	7) RGPPL Injection	14.451	68.315
4) Other CPP / IPP	7.119	28.535	8) Pench (Excess)	-0.736	-3.295
5) Wind Generation	3.837	22.061	# Total Cent. Sector	104.173	533.755
6) PENCH (MS)	0.736	3.295	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.776	-63.048
1) TPCL Thermal	29.945	142.118	G) Bilateral Power *		
2) TPCL Hydro	3.994	20.874	1) MSEDCL Bilateral	34.301	213.993
TOTAL TPCL	33.939	162.992	Include PX	0.000	9.056
3) REL Thermal	12.586	62.455	2) MUMBAI Bilateral	13.240	70.512
D) STATE			Include PX	2.098	16.688
1) Thermal (A1+C1+C3)	135.323	683.313	3) MUMBAI Schedule	13.240	70.512
2) Hydro (A2+B5+C2)	12.565	58.613	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.233	42.743	1) MSEDCL	252.778	1301.108
4) Wind (B4)	3.837	22.061	2) TPCL	39.588	194.187
5) CPP (B1+B2+B3)	43.948	205.968	3) REL	18.710	94.294
TOTAL STATE	206.906	1012.698	TOTAL STATE	311.076	1589.589

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3982	4056	3433
MSGENCO Hydro	264	631	247
MSGENCO Gas	465	477	465
MSGENCO Total Generation	4711	5164	4145
Central Sector Receipt	4660	4693	4146
WIND	193	98	186
CPP / IPP	1787	1950	1626
Exchange with Mumbai	-481	-622	-152
MSEDCL DEMAND MET	10888	11330	9998
Load Shedding	271	419	191
MSEDCL DEMAND	11159	11749	10189
TPCL GENERATION	1692	1668	1031
R-INFRA GENERATION	524	523	525
TPCL+R-INFRA DEMAND	2697	2813	1708
STATE DEMAND MET	13585	14143	11706
STATE DEMAND	13856	14562	11897
Frequency (Hz)	49.92	50.12	49.86

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 20.42 Hrs	49.55 Hz at 18.38 Hrs	49.97	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 05/Oct/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	2.76	11.64	135	98	110
Unit 7	0.00	6.85	0	0	0
Total	2.76	18.49			110
Bhusawal					
Unit 2	3.22	6.68	140	120	150
Unit 3	3.12	16.40	150	105	150
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	6.35	23.07			300
Parli					
Unit 3	3.29	15.80	146	123	125
Unit 4	3.64	17.70	166	126	152
Unit 5	0.00	0.00	0	0	0
Unit 6	4.31	19.48	210	159	150
Unit 7	4.61	20.77	234	161	160
Total	15.85	73.76			587
Chandrapur					
Unit 1	2.94	14.37	139	104	125
Unit 2	2.78	13.32	143	96	130
Unit 3	2.50	13.50	125	81	100
Unit 4	2.44	13.13	139	25	100
Unit 5	7.02	34.09	330	245	350
Unit 6	7.96	39.91	394	250	350
Unit 7	8.23	37.51	405	260	325
Total	33.86	165.83			1480
Paras					
Unit 3	3.68	20.80	202	116	150
Unit 4	3.41	20.32	184	0	150
Total	7.09	41.12			300
Khaparkheda					
Unit 1	3.22	13.92	150	100	130
Unit 2	2.52	16.58	159	0	130
Unit 3	3.73	19.22	166	144	130
Unit 4	3.57	18.60	167	127	130
Unit 5	6.02	33.34	358	160	270
Total	19.07	101.65			790
Nasik					
Unit 3	3.98	21.03	185	140	170
Unit 4	0.00	14.81	0	0	0
Unit 5	3.83	18.97	173	149	180
Total	7.81	54.81			350
Uran					
All Units	11.23	42.74	477	465	460
Total	11.23	42.74			460
PENCH (MS)					
Pench (MS)	0.74	3.30	53	0	
Total	0.74	3.30			
Koyna					
Stage 1-2	2.34	11.57	390	30	600
Stage 4	1.69	6.24	348	0	250
Stage 3	0.58	3.80	160	0	320
Kovna 12&4 Total	4.02	17.81			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.61	21.62			1170
Hydro					
KDPH	0.00	0.19	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.36	2.21	60	0	60
BHTGR/VEER	0.12	0.72	5	4	7
BHIRA T.R.	0.30	1.39	81	0	80
RNGR+BHTSA	0.37	1.20	16	15	14
BHANDARDRA	0.58	1.71	24	24	24
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.16	2.72	54	46	8
GHATGHAR	0.34	2.69	125	0	0
Total	3.23	12.83			193
Wind					
MalharPeth	0.17	0.88			
Vankuswadi	0.17	1.15			
ATIT	0.93	1.07			
Kale	0.08	0.46			
Satara	0.07	2.74			
Shirala	0.11	0.54			
K Mahankal	0.02	1.18			
Supa	0.02	0.22			
Vita	1.10	5.15			
Dondaicha	0.92	6.43			
Sakri	0.09	0.62			
Nandurbar	0.10	0.71			
Khandke	0.04	0.43			
Khaparale	0.03	0.49			
Total	3.84	22.06			
CPP					
JSW JAIGAD	20.86	122.44	911	776	825
WARDHA	9.54	48.56	423	338	420
Adani	6.43	49.58	500	0	
Other CPPs	7.12	28.54			
Total	43.95	249.12			1245
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.46	55.44	504	315	500
Trombay 6	7.87	36.08	493	157	500
Trombay 7A	2.97	13.12	127	120	120
Trombay 7B	1.64	7.68	69	67	60
Trombay 8	6.00	29.80	252	247	250
TATA Hydro	3.99	20.87	306	0	297
Total	33.94	162.99			1727
REL					
1&2	12.59	62.46	526	523	500
Total	12.59	62.46			500
Cent Sect					
Share					5158
Total					5158

MS PG CL	Thermal	92.79	478.74			3917
	Thml+Gas	104.02	521.48			4377
	Hydro	7.84	34.44			1363
	Total	111.86	555.93			5740
State Total		206.91	1012.70			14370

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/Oct/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	3640	783	465	4888	150	1626	4127	4109	-439	-332	10487	74	10561	2037	12598	50.05
2	3475	735	465	4675	130	1634	4058	3960	-439	-268	10177	164	10341	1855	12196	49.89
3	3491	564	465	4520	173	1630	3961	4096	-439	-216	10250	179	10429	1776	12205	49.93
4	3433	247	465	4145	186	1626	3912	4146	-439	-152	9998	191	10189	1708	11897	49.86
5	3405	344	465	4214	221	1621	4039	4381	-439	-224	10260	217	10477	1712	12189	49.92
6	3415	711	465	4591	290	1631	4101	4120	-439	-236	10439	351	10790	1790	12580	49.84
7	3645	518	465	4628	251	1556	4119	4068	-439	-312	10238	801	11039	1916	12955	49.99
8	3783	255	465	4503	251	1651	4171	4160	-462	-363	10249	791	11040	2059	13099	50.00
9	3942	195	465	4602	237	1760	4267	4013	-462	-380	10279	652	10931	2348	13279	50.03
10	3982	264	465	4711	193	1787	4377	4660	-462	-481	10888	271	11159	2697	13856	49.92
11	4036	280	465	4781	160	1828	4839	4693	-515	-699	10763	158	10921	2891	13812	50.01
12	3923	201	468	4592	129	1870	5100	4676	-515	-774	10493	162	10655	2929	13584	50.05
13	4014	156	467	4637	320	1873	4930	4474	-515	-775	10529	215	10744	2922	13666	50.13
14	4003	152	467	4622	137	1904	4728	4365	-515	-710	10318	145	10463	2826	13289	50.12
15	3982	141	466	4589	109	1955	4487	4396	-515	-732	10317	145	10462	2887	13349	49.93
16	4027	136	471	4634	145	2030	4441	4252	-515	-756	10319	129	10448	2911	13359	49.90
17	4195	121	470	4786	133	1986	4628	4258	-911	-730	10456	121	10577	2886	13463	49.93
18	4164	147	473	4784	91	2010	4573	4319	-809	-656	10575	184	10759	2812	13571	50.00
19	4179	464	472	5115	77	1981	4591	4566	-745	-609	11183	229	11412	2805	14217	49.98
20	4056	631	477	5164	98	1950	4892	4693	-730	-622	11330	419	11749	2813	14562	50.12
21	3996	292	473	4761	106	1983	4821	4667	-639	-513	11024	346	11370	2668	14038	50.09
22	4012	218	472	4702	95	1993	4620	4629	-638	-429	11010	143	11153	2479	13632	50.12
23	4023	130	470	4623	84	1981	4310	4358	-629	-423	10670	45	10715	2341	13056	49.88
24	3971	150	472	4593	71	2082	4130	4114	-588	-384	10526	32	10558	2233	12791	49.59
MUs	92.79	7.84	11.23	111.86	3.84	43.95	106.22	104.17	-13.24	-11.78	252.78	6.16	258.94	58.30	317.24	49.97

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 05/Oct/2012

Position as on 6.30 Hrs of 06/Oct/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	06/10/2012
Koyna ST-IV 2	250	20/08/2012	12.22		Continued.	Buchholz relay alarm.Gen.T/F overhauling	20/11/2012
Cent_Sect NTPC(K-3)	210	06/09/2012	00.13		Continued.	AOH.	
Parli Unit 5	210	06/09/2012	04.20		Continued.	Flame failure,converted to C.O.H from 15.09.2012(intimated on	29/10/2012
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
CPP JSW (J) U2	300	03/10/2012	23.45		Continued.	Flue Gas treatment	09/10/2012
Koyna Unit 6	75	05/10/2012	13.50		Continued.	oil Leakage	09/10/2012
FORCED OUTAGE							
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Tata TATA Hydro	444	05/09/2012	03:30		Continued.	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.	
Dabhol 2B	230	18/09/2012	18.42		Continued.	Gas shortage.	
Dabhol 3A	230	23/09/2012	09.35		Continued.	Gas Shortage.	
Bhusawal Unit 4	500	24/09/2012	01.35		Continued.	Boiler Tube Leakage.	06/10/2012
Bhusawal Unit 5	500	29/09/2012	23.17		Continued.	B.T.G. & D.O.P. Work.	
Koradi Unit 7	210	04/10/2012	09.36		Continued.	M.S.temp.low.	
Nasik Unit 4	210	04/10/2012	19.29		Continued.	Boiler tube leakage.	
Khaparkheda Unit 2	210	05/10/2012	03.48	05/10/2012	06.45	Flame failure.	
Koyna Unit 5	80	05/10/2012	13.25	05/10/2012	20.25	Bus Section-II outage	
Koyna Unit 7	80	05/10/2012	14.05	05/10/2012	19.35	Bus Section-II outage	
Koyna Unit 8	80	05/10/2012	14.10	05/10/2012	20.05	Bus Section-II outage	
Paras Unit 4	250	05/10/2012	19.15	05/10/2012	21.26	Low Furnace Pressure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Oct/2012

Position as on 6.30 Hrs of 06/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	25/09/2012	20.43		Continued.	Over Voltage.
Kolhapur - Mapusa - II	27/09/2012	16.10		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	02/10/2012	22.46		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	04/10/2012	21.19		Continued.	Over Voltage.
Wardha - Seoni - I	04/10/2012	22.03		Continued.	Over Voltage.
Parli (PG) - Wardha (PG) - II	05/10/2012	00.53	05/10/2012	09.12	Over Voltage
Wardha (PG) - Mouda - I	05/10/2012	01.06	05/10/2012	17.25	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	06/10/2012	06.01		Continued.	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220KV,200MVA Spare ICT at Kalwa.	22/08/2012	09.57		Continued.	Replacement of Isolator
400/220 KV 315 MVA ICT-III @ Padgha	29/09/2012	09.46		Continued.	B Ph.of A Bus PG Isolator (Taken on TBC for 2 Days).
Chandrapur - Parly - III	04/10/2012	08.54	05/10/2012	18.30	Wiring work of bus CVT core.Ready for charging at 19.15 hrs.
400/220 KV 315MVA ICT-II @ Karad	04/10/2012	10.37		Continued.	Fire protection work.
Padgha - Kharghar	05/10/2012	07.58	05/10/2012	19.06	replacement of Broken Conductor
400/220 KV 105 MVA Spare ICT @ Akola.	05/10/2012	08.54	05/10/2012	16.18	R.M.Work
400/220 KV 300 MVA ICT-I @ Koradi	05/10/2012	09.20		Continued.	Oil Filtration
Koradi - Bhusawal	05/10/2012	10.26	05/10/2012	18.24	Repairing of Damaged Conductor
400/220KV 500 MVA ICT I at Kalwa	05/10/2012	10.30	05/10/2012	15.33	Construction Work
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.
220/6.6kv Stn. T/F NO.IV @ KORADI	25/09/2012	13.06		Continued.	Testing work.
Dhule-Chalisgaon	01/10/2012	13.14		Continued.	For Connecting New Bbslr Ckt-II TO S/S Main Bus.
Lamboti-Bale-II	03/10/2012	10.30	05/10/2012	19.30	Retrofitting of distance relay.
220/132KV 100MVA ICT-II at Bambhori	05/10/2012	09.50	05/10/2012	16.24	Q.M.Work
Mahape - Siemens	05/10/2012	09.53	05/10/2012	18.28	Replacement of CT
Jambhul - Anandnagar	05/10/2012	10.08	05/10/2012	16.30	Hot Spot
Wadkhal - NDIL - I	05/10/2012	10.27	05/10/2012	14.17	Testing work
Main Bus-II at Padgha	05/10/2012	10.55	05/10/2012	18.52	Repl.of Single Conductor by Double Conductor of Stub Bus of ICT-IV
Aurangabad - Padegaon - II	05/10/2012	11.29	05/10/2012	18.05	Replacement of CT
Tilwani - Talandge - II	05/10/2012	11.47	05/10/2012	15.32	Hot Spot

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Oct/2012

Position as on 6.30 Hrs of 06/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Kalwa-Colourchem	05/10/2012	12.04	05/10/2012	21.12	Trials of Auto Reclose
Pophali-New Koyna	05/10/2012	13.40	05/10/2012	19.58	Bus Section-II outage at Pophali
Pophali - Pedambe - II	05/10/2012	13.40	05/10/2012	19.20	Bus Section-II outage
Wadkhal - Ndil - 2	05/10/2012	14.22	05/10/2012	16.25	Testing work
Bus Section -II @ Pophali	05/10/2012	15.41	05/10/2012	19.30	Attending Karad-II Line Y Phase Joint Glow problem at outgoing Gantry
Wadkhal-NDIL-3	05/10/2012	17.05	05/10/2012	18.35	Testing work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Karad-Pophali-II	05/10/2012	11.20	05/10/2012	20.20	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Bhusawal- Aurangabad	30/09/2012	16.23		Continued.	Over Voltage.(Repl.of insulator.opp.outage on 27.09.2012)
Lonikand- Koyna Stage IV	04/10/2012	22.00	05/10/2012	08.44	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Babaleshwar - Chalisgaon	27/09/2012	15.02		Continued.	To Relief Dhule ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT-II @ Dhule	04/08/2012	17.21		Continued.	B Ph. H V Side ICT-II Bushing Burst.
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated.
Deepnagar-Aurangabad-I	29/09/2012	11.31		Continued.	Dist.Prot.,Ready for Charging from 20.58 Hrs.
Karad - Kolhapur - II	30/09/2012	19.25		Continued.	On O/V Due to Heavy Lightining @ Karad.
Karad-Jaigad I	05/10/2012	04.04	05/10/2012	12.28	Over Voltage.
Karad-Jaigad I	06/10/2012	02.29		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi - Chikodi	30/09/2012	19.40		Continued.	Distance Protection.
Wada-Kolshet	05/10/2012	15.05		Continued.	Distance Protection
Padgha-Temghar I	05/10/2012	17.59	05/10/2012	21.11	Heavy lightning
Temghar-Colourchem	05/10/2012	17.59	05/10/2012	18.15	Bus Bar Protection operated
Karad-Kadegaon	05/10/2012	18.40	06/10/2012	05.59	Distance Protection
Karad - Ogalewadi - II	05/10/2012	18.40	05/10/2012	18.58	Tripped at Karad end only
Ghodbandar - Bhoisor (MSETCL)	05/10/2012	18.55		Continued.	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Bhandara-Ambhora	05/10/2012	18.27	05/10/2012	18.40	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	120
Unit 7	210	0
	620	120
Bhusawal		
Unit 2	210	150
Unit 3	210	134
Unit 4	500	0
Unit 5	500	0
	1420	284
Parli		
Unit 3	210	152
Unit 4	210	150
Unit 5	210	0
Unit 6	250	160
Unit 7	250	160
	1130	622
Chandrapur		
Unit 1	210	130
Unit 2	210	130
Unit 3	210	65
Unit 4	210	100
Unit 5	500	300
Unit 6	500	325
Unit 7	500	300
	2340	1350
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	160
Unit 4	210	160
Unit 5	500	300
	1340	920
Nasik		
Unit 3	210	190
Unit 4	210	0
Unit 5	210	180
	630	370
Uran		
All Units	852	450
	852	450
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	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	24
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	193
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	436
Adani	660	
Other CPPs	0	
	1665	1261
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	318
	2024	1748
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4477
	3455	4477