



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Oct/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Oct/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	84.150	414.669	1) Madhya Pradesh	60.073	279.253
2) Hydro	17.394	111.696	2) Gujrat	46.027	222.845
3) Gas	15.117	75.771	3) Goa	-5.735	-27.765
Total MSGENCO	116.661	602.136	4) TAPS 1&2 (Inj.)	7.796	38.921
B) OTHERS			5) Pench (Excess)	-0.630	-3.550
1) RGPPL Gas	35.696	176.515	# Total Cent. Sector	107.531	509.704
2) Wind Generation	2.256	17.024	F) Other Exchanges		
3) CPP	33.283	162.701	1) With TPCL (Excess)	-8.935	-47.801
4) PENCH (MS)	0.630	3.550	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	54.702	222.263
1) TPCL Thermal	30.623	145.063	Include PX	34.117	121.390
2) TPCL Hydro	4.799	17.553	2) MUMBAI Bilateral	10.802	51.619
TOTAL TPCL	35.422	162.616	Include PX	0.632	4.390
3) REL Thermal	12.578	62.956	3) MUMBAI Schedule	10.802	51.619
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	127.351	622.688	1) MSEDCL	287.122	1423.829
2) Hydro (A2+B3+C2)	22.823	132.799	2) TPCL	38.158	181.694
3) Gas (A3+B1)	50.813	252.286	3) REL	18.777	91.671
4) Wind (B2)	2.256	17.024	TOTAL STATE	344.057	1697.194
5) CPP (B3)	33.283	162.701			
TOTAL STATE	236.526	1187.498			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3618	3517	3349
MSGENCO Hydro	1363	2078	184
MSGENCO Gas	607	643	638
MSGENCO Total Generation	5588	6238	4171
Central Sector Receipt	4612	4038	4050
RGPPL	1488	1491	1488
WIND	53	101	130
CPP	1426	1380	1363
Exchange with Mumbai	-514	-495	-54
MSEDCL DEMAND MET	12675	12800	11195
Load Shedding (LS)	1462	918	375
MSEDCL DEMAND (INCL. LS)	14137	13718	11570
TPCL GENERATION	1822	1747	1075
REL GENERATION	524	522	524
TPCL+REL DEMAND	2860	2764	1653
STATE DEMAND MET	15535	15564	12848
Load Management (LM)	1781	3165	1438
Total Load Relief (LS+LM)	3243	4083	1813
UNRESTRICTED STATE DEMAND	18778	19647	14661
Frequency (Hz)	49.52	49.54	49.53

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 18.01 Hrs	48.99 Hz at 18.40 Hrs	49.55	1.67 % 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/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.58	16.91	171	120	165
Unit 6	3.95	17.64	176	143	165
Unit 7	3.18	14.70	160	90	140
	10.71	49.25			470
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.80	18.28	165	150	165
Unit 4		0.00	0	0	0
	3.80	18.28			165
Parli					
Unit 3	3.02	14.69	140	100	145
Unit 4	0.00	0.00	0	0	0
Unit 5	3.11	16.02	146	109	140
Unit 6	3.98	18.92	185	111	190
Unit 7	0.00	0.00	0	0	0
	10.11	49.63			475
Chandrapur					
Unit 1	3.76	18.96	163	151	160
Unit 2	3.16	15.95	133	127	135
Unit 3	4.00	20.91	177	145	180
Unit 4	0.00	0.00	0	0	0
Unit 5	7.55	33.91	355	290	300
Unit 6	7.08	33.91	350	240	275
Unit 7	7.15	35.09	320	277	275
	32.69	158.72			1325
Paras					
Unit 3	2.84	15.66	160	60	80
Unit 4	2.33	13.36	144	50	80
	5.17	29.02			160
Khaparkheda					
Unit 1	3.75	19.62	165	145	150
Unit 2	2.95	8.63	171	0	100
Unit 3	4.02	19.53	192	148	175
Unit 4	4.11	20.38	199	142	175
Unit 5		1.38	0	0	
	14.84	69.54			600
Nasik					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	3.78	15.66	180	120	170
Unit 4	0.00	10.54	0	0	0
Unit 5	3.05	14.03	152	99	140
	6.83	40.23			310
Uran					
All Units	15.12	75.77	650	607	630
	15.12	75.77			630
Dabhol					
RGPPL	35.70	176.52	1491	1480	
	35.70	176.52			
Koyna					
Stage 1-2	4.66	29.90	485	40	600
Stage 4	8.02	53.35	1066	0	250
Stage 3	3.06	17.85	320	0	320
	15.74	101.10			1170
Kovna 12&4 Total	12.68	83.25			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.22	0.43	61	0	0
TILLARI	0.37	2.16	60	0	60
BHTGR/VEER	0.14	0.68	6	5	7
BHIRA T.R.	0.26	1.51	40	0	40
RNGR+BHTSA	0.25	1.18	16	0	15
BHANDARDRA	0.00	1.28	0	0	32
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.42	2.75	26	14	10
GHATGHAR	0.00	0.62	0	0	0
	1.66	10.60			164
PENCH (MS)					
Pench (MS)	0.63	3.55	47	0	
	0.63	3.55			
Wind					
MalharPeth	0.08	1.04			
Vankuswadi	0.14	1.42			
ATIT	0.02	0.19			
Kale	0.05	0.59			
Satara	0.04	2.02			
Shirala	0.05	0.48			
K Mahankal	0.27	0.32			
Supa	0.09	0.30			
Vita	0.31	1.75			
Dondaicha	0.74	5.85			
Sakri	0.12	0.88			
Nandurbar	0.11	0.72			
Khandke	0.23	1.04			
Khaparale	0.02	0.44			
	2.26	17.02			
CPP					
JSW JAIGAD	21.25	103.20	896	830	810
WARDHA	8.18	41.06	363	285	340
Other CPPs	3.85	18.44			
	33.28	162.70			1150
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.46	58.47	490	460	490
Trombay 6	9.18	35.88	500	155	500
Trombay 7A	2.58	13.99	122	70	120
Trombay 7B	1.49	7.77	66	52	60
Trombay 8	5.91	28.95	249	244	250
TATA Hydro	4.80	17.55	401	0	447
	35.42	162.62			1867
REL					
1&2	12.58	62.96	526	522	500
	12.58	62.96			500
Cent Sect					
Share					5297
					5297

MS PG CL	Thermal	84.15	414.67			3505
	Thml+Gas	99.27	490.44			4135
	Hydro	17.39	111.70			1334
	Total	116.66	602.14			5469
State Total		236.53	1187.50			14283

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/Oct/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	3377	379	636	4392	1487	143	1381	4133	4367	-441	-349	11466	2206	11526	2029	15701	49.52
2	3348	419	637	4404	1488	177	1375	4144	4200	-340	-216	11471	2051	11532	1835	15357	49.43
3	3344	269	635	4248	1489	125	1366	4071	4170	-247	-126	11314	1713	11563	1725	14752	49.45
4	3349	184	638	4171	1488	130	1363	4038	4050	-179	-54	11195	1813	11570	1653	14661	49.53
5	3429	229	638	4296	1487	125	1361	4043	4231	-168	-44	11502	1888	11890	1642	15032	49.58
6	3522	650	644	4816	1487	123	1363	4142	4226	-231	-129	11926	2253	12528	1730	15909	49.58
7	3483	231	641	4355	1485	140	1367	4454	4197	-293	-209	11335	3439	13079	1846	16620	49.58
8	3613	65	636	4314	1491	143	1350	4468	4343	-291	-203	11438	3599	13336	1986	17023	49.68
9	3609	109	626	4344	1491	69	1369	4471	4743	-375	-251	11765	3638	13696	2265	17668	49.57
10	3717	533	625	4875	1491	82	1415	4512	4540	-464	-281	12122	3501	13921	2503	18126	49.53
11	3666	538	612	4816	1489	62	1364	4608	5094	-541	-480	12363	3545	14114	2828	18736	49.54
12	3618	1363	607	5588	1488	53	1426	4672	4612	-579	-514	12675	3243	14137	2860	18778	49.52
13	3552	1287	617	5456	1489	39	1434	4775	4793	-562	-547	12686	3362	14274	2862	18910	49.54
14	3517	913	608	5038	1482	29	1419	4838	4795	-550	-479	12303	3367	13898	2766	18436	49.62
15	3545	920	616	5081	1480	37	1384	4858	5005	-551	-570	12417	3354	13991	2839	18610	49.56
16	3523	836	607	4966	1480	42	1379	4854	5036	-547	-580	12323	3335	13925	2849	18507	49.54
17	3465	629	607	4701	1483	64	1383	4824	4911	-472	-557	11985	3215	13483	2812	18012	49.63
18	3540	371	641	4552	1488	86	1378	4184	4446	-508	-494	11468	3556	13084	2741	17765	49.62
19	3509	1055	623	5187	1489	101	1369	4010	4529	-519	-524	12196	4160	13561	2746	19102	49.55
20	3517	2078	643	6238	1491	101	1380	4110	4038	-602	-495	12800	4083	13718	2764	19647	49.54
21	3505	1599	642	5746	1489	110	1403	4111	4150	-612	-494	12451	3804	13105	2653	18908	49.59
22	3527	1108	646	5281	1488	95	1426	4111	4415	-617	-443	12307	3443	12605	2490	18240	49.48
23	3490	761	650	4901	1488	95	1416	4085	4516	-577	-475	11986	3332	12179	2325	17643	49.62
24	3385	868	642	4895	1488	85	1412	3888	4122	-537	-421	11626	2918	11733	2186	16730	49.47
MUs	84.15	17.39	15.12	116.66	35.70	2.26	33.28	104.40	107.53	-10.80	-8.94	287.12	74.82	312.45	56.94	418.87	49.55

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/2011

Position as on 6.30 Hrs of 06/Oct/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Chandrapur Unit 4	210	16/08/2011	00.04		Continued.	Annual Overhaul.	10/10/2011
Bhusawal Unit 2	210	22/08/2011	15.27		Continued.	Annual Overhaul	15/10/2011
Parli Unit 4	210	31/08/2011	01.07		Continued.	Annual Overhaul.	10/10/2011
Dabhol 1B	230	05/09/2011	23.57		Continued.	Generator Inspection	15/10/2011
Cent_Sect NTPC(K-4)	500	08/09/2011	14.26		Continued.	Annual Overhaul	18/10/2011
Bhusawal Unit 4	0	05/10/2011	21.45		Continued.	Tripped.	
FORCED OUTAGE							
CPP WPCL U-2	135	11/09/2011	08.12	05/10/2011	6:56	Withdrawn	
Cent_Sect NTPC(K-7)	500	14/09/2011	21.37		Continued.	GT Inspection work	10/10/2011
Cent_Sect NTPC (V-1)	210	24/09/2011	15.16		Continued.	Coal bunkering problem.	
Cent_Sect NTPC(V-3)	210	24/09/2011	16.45		Continued.	Coal bunkering problem.	
Parli Unit 7	250	24/09/2011	18.53		Continued.	Main steam temp.low.	
Cent_Sect NTPC(V-4)	210	24/09/2011	18.58		Continued.	Coal bunkering problem.	
Cent_Sect NTPC (K-2)	210	27/09/2011	03.09		Continued.	Trip.	
Khaparkheda Unit 5	500	02/10/2011	03.07		Continued.	Air Heater Problem	
Khaparkheda Unit 2	210	02/10/2011	16.15	05/10/2011	02.53	Boiler tube leakage.	
Cent_Sect NTPC(V-2)	210	03/10/2011	17.32		Continued.	Coal Shortage.	
Nasik Unit 4	210	04/10/2011	03.15		Continued.	Boiler Tube Leakage.	07/10/2011
Bhusawal Unit 4	0	05/10/2011	00.44	05/10/2011	03.55	Tripped on turbine prob.	
Bhusawal Unit 4	0	05/10/2011	12.00	05/10/2011	18.42	Tripped.	
CPP WPCL U-3	135	05/10/2011	19.00		Continued.	W/Dn.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Oct/2011

Position as on 6.30 Hrs of 06/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli-Parli (PGCIL) I	05/10/2011	17.20	05/10/2011	17.29	New line charged.
Parli (PG)-Bhadravati I	05/10/2011	20.32	05/10/2011	20.41	New line charged.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	24/09/2011	13.27		Continued.	Over Voltage.
Chandrapur-Bhadravati - I	26/09/2011	17.52		Continued.	Over Voltage.
Kolhapur - Mapusa - I	04/10/2011	17.54	05/10/2011	09.59	Over Voltage.
Karad - Solapur (PGCIL)	05/10/2011	17.30		Continued.	Over Voltage.
Kolhapur - Mapusa - II	05/10/2011	22.40		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Parli (PG)-Bhadravati I	06/10/2011	05.58		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
New Koyna - Karad - I	05/10/2011	05.07		Continued.	Taken on TBC Red Hot.
Karad - Newkoyna - I	05/10/2011	05.07	05/10/2011	07.34	Taken on own breaker.
Babaleshwar - Dhule - I	05/10/2011	12.29	05/10/2011	18.41	Attend Red hot spot.
400/220KV 500MVA ICT-III at Bableshwar	06/10/2011	02.05	06/10/2011	03.15	For shifting from 400KV Bus-II to 400KV Bus-I.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT Upto 30.9.11.
Main Bus - I @ Talangade	03/10/2011	12.56		Continued.	Erection of New Jumper of A Bus Isolator of New 220KV Sawantwadi-II Bay.
220 KV Bus at Wardha	05/10/2011	07.15	05/10/2011	07.40	R-Ph LA Burst,220/66KV 50Mva T/F.
Butibori - Sun Vijay	05/10/2011	10.10	05/10/2011	16.35	Measurement of tan delta of CT measurement of contact resistances.
Newkoyna -Lote-Parsuram	05/10/2011	10.51		Continued.	BKR Replacement work.
Gadchandur-Virur-I	05/10/2011	14.44	05/10/2011	18.24	Retrofitting work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	04/10/2011	23.31	05/10/2011	05.08	Over Voltage.
Babaleshwar - Dhule - I	05/10/2011	18.54	05/10/2011	19.08	To attending sparking on Y-Ph isolator.
Bhusawal- Aurangabad	05/10/2011	22.58		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bale-Osmanbad	22/09/2011	06.38		Continued.	Parli ICT Loading.
Abhijeet-Wardha-I	02/10/2011	10.38	05/10/2011	08.17	To control Koradi ICT loading.
Abhijeet - Wardha ckt - II	02/10/2011	10.39	05/10/2011	08.17	To control Koradi ICT loading.
Hingoli-Pusad	05/10/2011	08.21	05/10/2011	13.07	To control Wardha-Y'mal L/L.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
400/220KV,500 MVA ICT-III at Nagothane.	29/09/2011	15.20		Continued.	NDR.
Karad-Kolhapur-II	03/10/2011	17.36		Continued.	Over Voltage.
400/220KV,100 MVA	04/10/2011	10.50		Continued.	Buchholz Alarm Recieved.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Oct/2011

Position as on 6.30 Hrs of 06/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Spare Unit at Korady					
Chandrapur - Khaparkheda	05/10/2011	07.15	05/10/2011	17.46	Dist.Prot.operated,Z-2.
Chandrapur - Khaparkheda	05/10/2011	14.21	05/10/2011	17.46	SOTF.
Voltage Level : 220KV			Outage Type TRIPPED		
Miraj-Maisal	04/10/2011	18.30	05/10/2011	13.35	R Ph.Jumper Broken.(LOc.no 68 R-Ph Decapping)
Lote - N.Koyna	05/10/2011	02.01	05/10/2011	02.47	O/C Earth Fault Protection.
Lote- Dasturi	05/10/2011	02.01	05/10/2011	02.50	Distance Protection.
220 KV Bus @ New Koyna	05/10/2011	02.01	05/10/2011	02.47	O/C Earth Fault Protection.
Mumewadi-Halkarni-II	05/10/2011	02.38	05/10/2011	03.07	Distance Protection.
Mumewadi-Halkarni-II	05/10/2011	05.45	05/10/2011	14.34	Back up Earth Fault.
Vita - Lamboti	05/10/2011	13.13	06/10/2011	04.55	Dist.Protection.
220/100 KV 100 MVA T/F - IV @ Kandalgaon	05/10/2011	14.19	05/10/2011	15.15	Due to heay lightening and storm.
220/100KV 50 MVA T/F-III @ Kandalgaon	05/10/2011	14.19	05/10/2011	19.20	Due to heay lightening and storm.
Apta-Uran-II	05/10/2011	17.43	05/10/2011	22.57	Dist.Prot.(Taken on TBC at Apta end.)
Kalwa I-Taloja	05/10/2011	18.23	06/10/2011	03.14	Wave trap of 220KV Kalwa-Taloja burst.
220 KV Interconnector @ Kalwa.	05/10/2011	18.24	05/10/2011	18.40	Wave trap of 220KV Kalwa-Taloja burst.
Voltage Level : 132KV			Outage Type TRIPPED		
Jalgaon - Dhrangaon	05/10/2011	14.25	05/10/2011	14.35	Dist.Prot.Operated,Z-1,R-Ph.
Jalgaon - Dhrangaon	05/10/2011	16.37	05/10/2011	16.57	Dist.Prot.Operated,Z-1,R-Ph.
Voltage Level : 100KV			Outage Type TRIPPED		
Kandalgaon-Roha-I	05/10/2011	14.19	05/10/2011	15.40	Due to heay lightening and storm.
Kandalgaon-Roha-II	05/10/2011	14.19	05/10/2011	15.23	Due to heay lightening and storm.
Kandalgaon - Mhasale	05/10/2011	14.19	05/10/2011	15.17	Due to heay lightening and storm.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Oct/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	130
Unit 7	210	100
	620	350
Bhusawal		
Unit 2	210	0
Unit 3	210	160
Unit 4	0	
	420	160
Parli		
Unit 3	210	120
Unit 4	210	0
Unit 5	210	110
Unit 6	250	160
Unit 7	250	0
	1130	390
Chandrapur		
Unit 1	210	150
Unit 2	210	135
Unit 3	210	180
Unit 4	210	0
Unit 5	500	300
Unit 6	500	270
Unit 7	500	300
	2340	1335
Paras		
Unit 3	250	150
Unit 4	250	120
	500	270
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	160
Unit 4	210	160
Unit 5	500	
	1340	620
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	170
Unit 4	210	0
Unit 5	210	120
	870	290
Uran		
All Units	852	630
	852	630
Dabhol		
RGPP	1940	
	1940	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	13
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	25
GHATGHAR	250	0
	611	173
PENCH (MS)		
Pench (MS)	53	
	53	
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	810
WARDHA	405	360
Other CPPs	0	
	1005	1170
Tata		
Trombay 4	150	
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4993
	3455	4993