



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/May/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.489	1483.383	1) Madhya Pradesh	59.911	1060.834
2) Hydro	21.335	409.818	2) Gujrat	29.214	373.669
3) Gas	16.643	262.363	3) Goa	-6.456	-99.595
Total MSGENCO	132.467	2155.564	4) TAPS 1&2 (Inj.)	7.172	114.093
B) OTHERS			5) Pench (Excess)	-0.464	-4.736
1) RGPPL Gas	37.007	522.533	# Total Cent. Sector	89.377	1444.265
2) Wind Generation	9.583	143.575	F) Other Exchanges		
3) CPP	3.816	65.547	1) With TPCL (Excess)	-4.499	-132.116
4) PENCH (MS)	0.464	4.736	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	14.017	121.346
1) TPCL Thermal	30.184	517.005	Include PX	8.760	49.891
2) TPCL Hydro	0.149	46.886	2) MUMBAI Bilateral	5.473	145.202
TOTAL TPCL	30.333	563.891	Include PX	-0.508	18.659
3) REL Thermal	12.503	199.388	3) MUMBAI Schedule	5.473	145.202
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	137.176	2199.776	1) MSEDCL	268.215	4204.104
2) Hydro (A2+B3+C2)	21.948	461.440	2) TPCL	29.798	569.822
3) Gas (A3+B1)	53.650	784.896	3) REL	17.538	325.625
4) Wind (B2)	9.583	143.575	TOTAL STATE	315.551	5099.551
5) CPP (B3)	3.816	65.547			
TOTAL STATE	226.173	3655.234			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 22 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3962	4053	3860
MSGENCO Hydro	597	854	1270
MSGENCO Gas	684	698	700
MSGENCO Total Generation	5243	5605	5830
Central Sector Receipt	4423	4394	3319
RGPPL	1538	1542	1549
WIND	195	455	338
CPP	129	178	165
Exchange with TPCL	-248	-283	-58
MSEDCL DEMAND MET	11297	11942	11190
Load Shedding	3763	3530	2456
MSEDCL DEMAND (INCL. LS)	15060	15472	13646
TPCL GENERATION	1182	1407	1284
REL GENERATION	522	519	522
TPCL+REL DEMAND	1952	2209	1864
STATE DEMAND MET	13249	14151	13054
STATE DEMAND (INCL. LS)	17012	17681	15510
Frequency (Hz)	49.62	49.63	49.51
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5695 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			121.29 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.61 Hz at 18.04 Hrs	49.01 Hz at 23.11 Hrs	49.59	0 % of Time

* 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 16/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.25	26.72	74	41	46
Unit 2	0.80	25.46	53	0	48
Unit 3	1.44	28.28	74	50	60
Unit 4	1.11	1.79	67	25	40
Unit 5	0.00	38.60	0	0	0
Unit 6	3.61	41.71	167	131	140
Unit 7	3.90	51.22	195	130	136
	12.10	213.78			470
Bhusawal					
Unit 1	0.97	15.88	47	35	45
Unit 2	4.30	68.12	188	170	185
Unit 3	4.08	52.87	195	160	195
	9.36	136.87			425
Parli					
Unit 1	0.58	9.04	25	22	22
Unit 2	0.56	8.70	24	22	22
Unit 3	2.95	62.23	183	66	180
Unit 4	3.95	61.86	189	117	180
Unit 5	3.38	60.90	160	132	150
Unit 6	5.97	94.42	255	236	250
Unit 7	5.53	65.67	250	158	
	22.93	362.81			804
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.24	67.38	187	166	180
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
	4.24	67.38			180
Paras					
Unit 2	0.52	13.59	23	20	24
Unit 3	5.35	69.22	235	214	240
Unit 4	5.18	65.77	231	199	
	11.05	148.57			264
Khaparkheda					
Unit 1	4.84	70.70	209	192	210
Unit 2	4.19	66.70	184	165	180
Unit 3	3.98	70.60	182	151	160
Unit 4	4.33	64.38	193	163	165
	17.34	272.39			715
Nasik					
Unit 1	1.94	29.31	94	0	95
Unit 2	2.17	33.80	96	70	95
Unit 3	4.60	74.46	202	182	200
Unit 4	4.34	71.14	190	168	190
Unit 5	4.42	72.85	193	174	200
	17.47	281.56			780
Koyna					
Stage 1-2	4.68	88.64	490	40	600
Stage 4	10.89	209.31	1116	0	250
Stage 3	2.49	63.45	318	0	320
	18.06	361.40			1170
Kovna 12&4 Total	15.57	297.95			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.64	262.36	711	670	670
		16.64	262.36			670
Hydro						
KDPH		0.41	5.63	18	17	18
VTRNA		0.49	4.50	61	0	0
TILLARI		0.29	5.44	60	0	60
BHTGR/VEER		0.43	6.50	18	18	16
BHIRA T.R.		0.13	2.01	40	0	40
RNGR+BHTSA		0.25	4.39	11	10	11
BHANDARDRA		0.75	7.25	32	31	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.52	9.31	22	21	8
GHATGHAR		0.00	3.38	0	0	0
		3.27	48.42			153
PENCH (MS)						
Pench (MS)		0.46	4.74	51	0	
		0.46	4.74			
Wind						
MalharPeth		0.21	3.31			
Vankuswadi		0.54	7.67			
ATIT		0.07	2.64			
Kale		0.29	3.47			
Satara		0.18	4.87			
Shirala		0.24	3.30			
K Mahankal		0.55	2.90			
Supa		0.14	2.76			
Vita		0.74	11.92			
Dondaicha		4.27	65.84			
Sakri		0.70	10.07			
Nandurbar		0.68	8.74			
Khadakale		0.57	9.45			
Khaparale		0.39	6.63			
		9.58	143.58			
CPP						
TOTAL CPP		3.82	65.55			
		3.82	65.55			
Dabhol						
RGPPL		37.01	522.53	1554	1516	1520
		37.01	522.53			1520
Tata						
Trombay 4		2.62	28.22	113	105	100
Trombay 5		9.53	156.34	415	280	410
Trombay 6		7.68	166.50	510	150	500
Trombay 7A		2.80	44.65	119	115	120
Trombay 7B		1.55	25.03	65	64	60
Trombay 8		6.00	96.27	253	244	250
TATA Hydro		0.15	46.89	35	0	447
		30.33	563.89			1887
REL						
1&2		12.50	199.39	524	514	500
		12.50	199.39			500
Cent Sect						
Share						3326
						3326
MS PG CL	Thermal	94.49	1483.38			3638
	Thml+Gas	111.13	1745.75			4308
	Hydro	21.34	409.82			1323
	Total	132.47	2155.56			5631
State Total		226.17	3655.23			12864

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/May/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	3877	1457	692	6026	1546	392	175	3097	3155	-249	-209	11132	2540	13672	2162	15834	49.40
2	3842	826	694	5362	1547	555	169	3004	3113	-159	-110	10683	3041	13724	2075	15799	49.43
3	3864	1299	694	5857	1546	752	176	2948	2936	-103	-51	11264	2786	14050	1935	15985	49.39
4	3860	1270	700	5830	1549	338	165	2960	3319	-114	-58	11190	2456	13646	1864	15510	49.51
5	3894	1744	702	6340	1550	347	160	2982	3167	-114	-59	11552	2485	14037	1803	15840	49.47
6	3964	1789	705	6458	1553	281	161	2972	3025	-56	-9	11517	2740	14257	1767	16024	49.50
7	3991	624	711	5326	1554	210	161	3122	3445	-154	-106	10637	3801	14438	1725	16163	49.64
8	4027	374	709	5110	1551	171	157	3169	3584	-154	-106	10467	3922	14389	1678	16067	49.65
9	4053	484	702	5239	1547	131	157	3290	3453	-288	-250	10277	4081	14358	1744	16102	49.63
10	4042	679	694	5415	1542	116	154	3296	4113	-288	-250	11104	4059	15163	1779	16942	49.59
11	4009	508	691	5208	1540	147	155	3292	4101	-288	-249	10926	3941	14867	1886	16753	49.63
12	3962	597	684	5243	1538	195	129	3338	4423	-288	-248	11297	3763	15060	1952	17012	49.62
13	3954	1065	680	5699	1530	322	141	3431	3953	-275	-238	11414	3675	15089	1969	17058	49.62
14	3950	1351	675	5976	1535	470	134	3471	3927	-205	-174	11868	3461	15329	1932	17261	49.51
15	3894	1341	670	5905	1516	416	126	3484	3487	-233	-199	11251	3694	14945	2021	16966	49.40
16	3880	655	679	5214	1527	461	141	3436	3545	-233	-200	10688	4144	14832	2073	16905	49.62
17	3888	355	683	4926	1533	633	143	3449	4030	-263	-232	11033	4071	15104	2073	17177	49.68
18	3849	139	696	4684	1545	578	153	3338	4400	-138	-108	11252	3852	15104	1902	17006	49.99
19	3855	262	700	4817	1549	701	167	3378	3798	-327	-290	10742	4238	14980	2002	16982	50.02
20	3940	300	695	4935	1541	548	184	3254	4178	-271	-254	11132	4387	15519	2057	17576	49.68
21	3984	478	694	5156	1539	458	185	3320	4386	-327	-282	11462	3891	15353	2207	17560	49.57
22	4053	854	698	5605	1542	455	178	3359	4394	-327	-283	11942	3530	15472	2209	17681	49.63
23	3977	1228	701	5906	1546	445	172	3418	4189	-327	-282	11976	3121	15097	2245	17342	49.65
24	3877	1656	694	6227	1541	461	173	3344	3262	-291	-252	11412	3099	14511	2275	16786	49.36
MUs	94.49	21.34	16.64	132.46	37.01	9.58	3.82	78.15	89.38	-5.47	-4.50	268.22	84.78	353.00	47.34	400.33	49.59

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 16/May/2010

Position as on 6.30 Hrs of 17/May/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	30/12/2010
Chandrapur Unit 6	500	01/04/2010	01.15		Continued.	Annual Overhaul	16/06/2010
Chandrapur Unit 1	210	08/04/2010	08.36		Continued.	Annual Overhaul	30/05/2010
Dabhol 2B	230	15/04/2010	01.40		Continued.	Control System modification work	15/06/2010
Chandrapur Unit 5	500	16/04/2010	15.49		Continued.	Water Balancing Problem.	15/06/2010
Chandrapur Unit 2	210	18/04/2010	21.38		Continued.	Clinker Formation.	30/05/2010
Chandrapur Unit 7	500	25/04/2010	00.23		Continued.	Water Balancing Problem.	30/06/2010
Chandrapur Unit 4	210	28/04/2010	22.53		Continued.	Water Balancing problem	15/06/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Cent_Sect NTPC(K-4)	500	09/05/2010	07.00		Continued.	Boiler Tube Leakage.	20/05/2010
Nasik Unit 1	125	13/05/2010	09:55	16/05/2010	01.00	Boiler Tube Leakage.	
Cent_Sect NTPC(V-8)	500	15/05/2010	22.16		Continued.	Boiler Tube Leakage.	18/05/2010
Koradi Unit 5	200	15/05/2010	6:19		Continued.	Flame Failure	17/05/2010
Koradi Unit 2	105	16/05/2010	16.52	17/05/2010	4:12	Turbine bearing caught fire	
Cent_Sect Tarapur 1	80	17/05/2010	02.32		Continued.	Feed water outlet repair work.	21/05/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/May/2010

Position as on 6.30 Hrs of 17/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
Wardha - Akola - II	29/04/2010	11.37		Continued.	Due to line loading.
Dhule-Sar'Sarovar - II	15/05/2010	00.13	16/05/2010	19.34	For Over Voltage.
Dhule-S'Sarovar I	15/05/2010	23.44		Continued.	Hand Tripped For Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha - Seoni	16/05/2010	14.43	16/05/2010	15.20	Tripped on over voltage.
Chandrapur-Bhadravti - I	17/05/2010	01.25	17/05/2010	02.09	Trip Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor of LN at Parli.	13/05/2010	07.58		Continued.	Overhauling of line reactor of Lonikand -I at Parli.
C'pur-Parli CKT .I	15/05/2010	11.22		Continued.	Taken on TBC.Due to M.B.Prob.
Babaleshwar-Bhusawal	16/05/2010	07.16	16/05/2010	20.37	Insulator replacement.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
220/132 KV,100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT to be replaced with new 200MVA ICT
220/132 150MVA ICT-II at Nanded	29/04/2010	08.30		Continued.	Augumentation By 200 MVA ICT.
220/132kv 100MVA ICT-III at padegaon	12/05/2010	13.30		Continued.	Replacement of 100 MVA ICT By 200 MVA ICT.
Jindal - Ghatghar	14/05/2010	09.05		Continued.	Conductor Replacement Work.
125 Mva Ict III at Kalwa I	16/05/2010	06.54	16/05/2010	10.47	C.T. jumper replacement.
Kalwa - Airoli - Knowledge Park.	16/05/2010	08.49		Continued.	Conductor replacement.
BBLSR-Waluj	16/05/2010	08.59	16/05/2010	13.16	Replacement of bend cross arm.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
100 KV Borivali-Borivali-I	16/05/2010	09.38	16/05/2010	15.35	R.M. Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	14/05/2010	20.33	16/05/2010	07.06	For Over Voltage.
Bhusawal- Aurangabad	16/05/2010	20.38		Continued.	H/T for Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/132 KV 100 MVA ICT - I @ Ranjangaon	14/05/2010	20.45		Continued.	For Taking Load on ICT-II.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5/6.6 KV 70 MVA Stn.T/F 5B at 400KV Khaparkheda	25/04/2010	03.59		Continued.	B-Ph,HV bushing burst and caught fire.
Koradi - Kaparkheda	17/05/2010	00.54	17/05/2010	05:47	Trip Over Voltage.
Chandrapur-Khaparkheda	17/05/2010	00.54	17/05/2010	05:47	Trip Over Voltage.
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph CT Burst.
132 KV Capaciter Bank @ Nanded	24/04/2010	21.45		Continued.	Capaciter Bank Breaker Burst.
Kardha-Sakoli	07/05/2010	17.40		Continued.	Y phase Breaker Pole Burst at Kardha

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	65
Unit 2	105	50
Unit 3	105	70
Unit 4	105	40
Unit 5	200	0
Unit 6	210	145
Unit 7	210	150
	1040	520
Bhusawal		
Unit 1	58	40
Unit 2	210	190
Unit 3	210	160
	478	390
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	165
Unit 4	210	180
Unit 5	210	150
Unit 6	250	250
Unit 7	250	0
	1190	789
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	180
Unit 4	210	0
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	180
Paras		
Unit 2	55	24
Unit 3	250	240
Unit 4	250	0
	555	264
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
	840	770
Nasik		
Unit 1	120	95
Unit 2	120	90
Unit 3	210	200
Unit 4	210	190
Unit 5	210	200
	870	775
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	680

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	680
Hydro		
KDPH	40	18
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	18
BHIRA T.R.	80	40
RNGR+BHTSA	20	11
BHANDARDRA	45	18
ELDARY	23	0
SMLHY PTN	12	22
GHATGHAR	250	0
	611	247
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	
Khadakale	0	
Khaparale	0	
	0	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1520
	960	1520
Tata		
Trombay 4	150	120
Trombay 5	500	415
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1912
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3406
	3143	3406

	17376	13123
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