



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/May/2010 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	87.023	1388.894	1) Madhya Pradesh	62.253	1000.923
2) Hydro	29.955	388.483	2) Gujrat	27.979	344.455
3) Gas	16.648	245.720	3) Goa	-6.732	-93.139
Total MSGENCO	133.626	2023.097	4) TAPS 1&2 (Inj.)	7.120	106.921
B) OTHERS			5) Pench (Excess)	-0.496	-4.272
1) RGPPL Gas	36.979	485.526	# Total Cent. Sector	90.124	1354.888
2) Wind Generation	11.203	133.992	F) Other Exchanges		
3) CPP	4.588	61.731	1) With TPCL (Excess)	-8.407	-127.617
4) PENCH (MS)	0.496	4.272	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.185	107.329
1) TPCL Thermal	30.851	486.821	Include PX	1.999	41.131
2) TPCL Hydro	3.252	46.737	2) MUMBAI Bilateral	9.030	139.729
TOTAL TPCL	34.103	533.558	Include PX	0.662	19.167
3) REL Thermal	12.506	186.885	3) MUMBAI Schedule	9.030	139.729
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	130.380	2062.600	1) MSEDCL	268.609	3935.889
2) Hydro (A2+B3+C2)	33.703	439.492	2) TPCL	35.057	540.024
3) Gas (A3+B1)	53.627	731.246	3) REL	19.956	308.087
4) Wind (B2)	11.203	133.992	TOTAL STATE	323.622	4784.000
5) CPP (B3)	4.588	61.731			
TOTAL STATE	233.501	3429.061			

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	3427	3829	3511
MSGENCO Hydro	1850	738	944
MSGENCO Gas	683	695	706
MSGENCO Total Generation	5960	5262	5161
Central Sector Receipt	3898	4193	3606
RGPPL	1531	1542	1552
WIND	350	471	649
CPP	182	209	178
Exchange with TPCL	-497	-409	-121
MSEDCL DEMAND MET	11424	11292	11072
Load Shedding	4057	4697	1947
MSEDCL DEMAND (INCL. LS)	15481	15989	13019
TPCL GENERATION	1648	1527	1261
REL GENERATION	520	518	524
TPCL+REL DEMAND	2665	2454	1906
STATE DEMAND MET	14089	13746	12978
STATE DEMAND (INCL. LS)	18146	18443	14925
Frequency (Hz)	49.56	49.71	49.66
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			6580 MW AT 13.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			123.52 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.31 Hz at 18.04 Hrs	48.75 Hz at 23.08 Hrs	49.61	1.3 % 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 15/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.77	25.47	82	66	75
Unit 2	1.73	24.66	82	62	70
Unit 3	1.69	26.85	80	60	70
Unit 4	0.66	0.68	68	0	0
Unit 5	0.57	38.60	95	0	105
Unit 6	3.15	38.10	160	85	120
Unit 7	3.32	47.33	180	90	60
	12.90	201.68			500
Bhusawal					
Unit 1	1.07	14.91	50	39	50
Unit 2	3.91	63.82	188	136	195
Unit 3	4.33	48.79	190	170	195
	9.31	127.52			440
Parli					
Unit 1	0.57	8.46	25	20	22
Unit 2	0.55	8.14	24	22	22
Unit 3	4.15	59.28	189	152	180
Unit 4	4.17	57.90	183	163	180
Unit 5	3.53	57.51	166	132	150
Unit 6	6.08	88.45	257	247	250
Unit 7	2.62	60.13	238	0	0
	21.68	339.88			804
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.24	63.14	186	155	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	63.14			180
Paras					
Unit 2	0.54	13.07	24	22	25
Unit 3	5.31	63.87	232	208	240
Unit 4	4.09	60.59	233	125	0
	9.94	137.52			265
Khaparkheda					
Unit 1	1.95	65.86	210	0	210
Unit 2	3.78	62.51	179	96	100
Unit 3	4.01	66.63	190	151	190
Unit 4	3.75	60.05	187	110	115
	13.48	255.06			615
Nasik					
Unit 1	0.00	27.36	0	0	0
Unit 2	2.15	31.64	98	64	90
Unit 3	4.50	69.87	203	170	200
Unit 4	4.37	66.80	194	174	190
Unit 5	4.44	68.42	200	176	200
	15.46	264.09			680
Koyna					
Stage 1-2	4.90	83.96	410	35	600
Stage 4	16.27	198.41	1091	21	250
Stage 3	4.98	60.96	316	4	320
	26.16	343.34			1170
Kovna 12&4 Total	21.18	282.38			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.65	245.72	709	673	670
		16.65	245.72			670
Hydro						
KDPH		0.45	5.22	19	18	18
VTRNA		0.53	4.00	61	0	0
TILLARI		0.36	5.15	59	0	60
BHTGR/VEER		0.45	6.07	19	18	11
BHIRA T.R.		0.18	1.88	41	0	40
RNGR+BHTSA		0.25	4.14	11	10	16
BHANDARDRA		0.68	6.50	29	28	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.55	8.79	30	21	22
GHATGHAR		0.35	3.38	116	0	0
		3.80	45.15			167
PENCH (MS)						
Pench (MS)		0.50	4.27	49	0	
		0.50	4.27			
Wind						
MalharPeth		0.23	3.10			
Vankuswadi		0.57	7.13			
ATIT		0.08	2.57			
Kale		0.27	3.18			
Satara		0.16	4.69			
Shirala		0.23	3.06			
K Mahankal		0.48	2.36			
Supa		0.09	2.62			
Vita		0.73	11.18			
Dondaicha		5.84	61.57			
Sakri		0.90	9.36			
Nandurbar		0.86	8.07			
Khadakale		0.34	8.88			
Khaparale		0.44	6.24			
		11.20	133.99			
CPP						
TOTAL CPP		4.59	61.73			
		4.59	61.73			
Dabhol						
RGPPL		36.98	485.53	1555	1520	1520
		36.98	485.53			1520
Tata						
Trombay 4		2.58	25.60	111	105	100
Trombay 5		9.83	146.80	410	400	415
Trombay 6		8.09	158.82	510	170	500
Trombay 7A		2.80	41.85	118	114	120
Trombay 7B		1.55	23.48	65	64	60
Trombay 8		5.99	90.27	255	242	250
TATA Hydro		3.25	46.74	323	0	447
		34.10	533.56			1892
REL						
1&2		12.51	186.88	524	518	500
		12.51	186.88			500
Cent Sect						
Share						3110
						3110
MS PG CL	Thermal	87.02	1388.89			3484
	Thml+Gas	103.67	1634.61			4154
	Hydro	29.96	388.48			1337
	Total	133.63	2023.10			5491
State Total		233.50	3429.06			12513

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	3585	1044	698	5327	1546	553	180	2947	3851	-299	-276	11230	1833	13063	2290	15353	49.59
2	3563	298	698	4559	1547	647	179	2890	3816	-210	-168	10627	2291	12918	2114	15032	49.59
3	3535	903	700	5138	1548	672	176	2875	3645	-165	-124	11101	2062	13163	1966	15129	49.57
4	3511	944	706	5161	1552	649	178	2862	3606	-165	-121	11072	1947	13019	1906	14925	49.66
5	3539	1063	709	5311	1555	651	178	2863	3666	-165	-130	11247	1979	13226	1827	15053	49.69
6	3563	1738	708	6009	1554	528	178	2852	3376	-165	-120	11525	2451	13976	1817	15793	49.58
7	3516	541	708	4765	1547	497	177	3082	3349	-204	-174	10161	3563	13724	1824	15548	49.69
8	3394	655	706	4755	1540	427	184	3081	3641	-204	-184	10363	3782	14145	1825	15970	49.64
9	3375	633	699	4707	1544	543	190	3219	3744	-339	-304	10424	4042	14466	1987	16453	49.70
10	3378	964	692	5034	1544	313	177	3343	4180	-470	-438	10810	4170	14980	2238	17218	49.66
11	3380	1419	685	5484	1537	373	190	3401	3998	-517	-495	11087	4133	15220	2542	17762	49.60
12	3427	1850	683	5960	1531	350	182	3396	3898	-517	-497	11424	4057	15481	2665	18146	49.56
13	3493	1923	677	6093	1523	386	190	3385	3772	-517	-504	11460	4519	15979	2698	18677	49.47
14	3663	1746	675	6084	1523	408	191	3381	3733	-517	-506	11433	4059	15492	2658	18150	49.47
15	3689	1777	673	6139	1520	363	224	3258	3759	-517	-504	11501	4219	15720	2637	18357	49.38
16	3769	1523	679	5971	1528	381	220	3257	3407	-517	-507	11046	4298	15344	2696	18040	49.54
17	3748	1352	687	5787	1537	385	220	3260	3926	-517	-508	11371	4135	15506	2635	18141	49.72
18	3752	1175	692	5619	1539	453	203	3375	4148	-517	-508	11454	4042	15496	2490	17986	49.78
19	3819	572	699	5090	1548	460	214	3253	3782	-424	-408	10707	4579	15286	2384	17670	49.94
20	3829	738	695	5262	1542	471	209	3258	4193	-424	-409	11292	4697	15989	2454	18443	49.71
21	3846	1602	696	6144	1547	439	193	3179	3759	-424	-390	11726	4186	15912	2431	18343	49.69
22	3847	1784	694	6325	1545	479	185	3199	3831	-424	-391	12021	3775	15796	2341	18137	49.50
23	3918	1823	693	6434	1541	431	187	3197	3922	-424	-393	12169	3180	15349	2305	17654	49.44
24	3870	1889	696	6455	1541	343	183	3129	3159	-384	-348	11381	3157	14538	2286	16824	49.39
MUs	87.01	29.96	16.65	133.61	36.98	11.20	4.59	75.94	90.16	-9.03	-8.41	268.63	85.16	353.79	55.02	408.80	49.61

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 15/May/2010

Position as on 6.30 Hrs of 16/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
Cent_Sect NTPC (V-1)	210	25/04/2010	23.30	15/05/2010	10.00	Annual Overhaul.	
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	
Koradi Unit 4	115	01/05/2010	00.23	15/05/2010	11.01	Commutator problem.	
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 sipat-5	500	13/05/2010	23:02	15/05/2010	00.05	No Bunkering.	
Parli Unit 7	250	14/05/2010	20.07	15/05/2010	11.20	UAT problem.	
Khaparkheda Unit 1	210	15/05/2010	07.19	15/05/2010	15.50	Low Vaccum.	
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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/May/2010

Position as on 6.30 Hrs of 16/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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 - I	13/05/2010	23.33	15/05/2010	07.58	H/T at SSP end
Dhule-Sar'Sarovar - II	15/05/2010	00.13	16/05/2010	19.34	For Over Voltage.
Dhule-S'Sarovar I	15/05/2010	12.55	15/05/2010	18.01	Hand Tripped 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.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/11.5KV ,90MVA STN T/F III AT 400KV C'PUR	29/04/2010	10.00	15/05/2010	18.32	LV Breaker & LV Bus Duct Maint.Work
50 MVAR Line Reactor of LN at Parli.	13/05/2010	07.58		Continued.	Overhauling of line reactor of Lonikand -I at Parli.
Lonikand-Parly -I	13/05/2010	07:58	15/05/2010	14.47	H/T for reactor O/H Outage.
Parli - Lamboti	13/05/2010	11.58	15/05/2010	11.46	Taken on TBC @ Parly.
400 KV Main Bus - I at Parli.	13/05/2010	20:58	15/05/2010	11.13	Replacement of CVT and Wave trap Parli - Lonikand - I.
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 tobe 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.
220/100KV 125 MVA ICT-II at Kalwa	15/05/2010	06.31	15/05/2010	11.11	L V Side Isolator Clamp Replacement.
Kharepatan-Pawas	15/05/2010	09.08	15/05/2010	17.35	Insulator Cleaning.
Mahad - Century Enka	15/05/2010	09.23	15/05/2010	18.42	R.M.Work.
220 KV Bus - I @ Mahad	15/05/2010	09.23	15/05/2010	18.25	R.M.Work.
Babaleshwar - Babaleshwar - II	15/05/2010	09.39	15/05/2010	14.22	Replacement of 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		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/May/2010

Position as on 6.30 Hrs of 16/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
C'pur-Parli CKT .I	13/05/2010	08:06	15/05/2010	11.32	Trip Bus fault at parly.Taken on TBC due to M.B.Prob.
Voltage Level : 220KV			Outage Type TRIPPED		
Aurangabad - BBLSR	14/05/2010	12.30	15/05/2010	12.10	Distance Protection.Y-ph X-arm band at loc.5
Kalwa - Khargar	15/05/2010	14.57	15/05/2010	16.03	Dist Prot.
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 16/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	46
Unit 2	105	48
Unit 3	105	60
Unit 4	105	40
Unit 5	200	0
Unit 6	210	140
Unit 7	210	136
	1040	470
Bhusawal		
Unit 1	58	45
Unit 2	210	185
Unit 3	210	195
	478	425
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	180
Unit 4	210	180
Unit 5	210	150
Unit 6	250	250
Unit 7	250	
	1190	804
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	
	555	264
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	160
Unit 4	210	165
	840	715
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	200
Unit 4	210	190
Unit 5	210	200
	870	780
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	670

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	670
Hydro		
KDPH	40	18
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	16
BHIRA T.R.	80	40
RNGR+BHTSA	20	11
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	153
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	100
Trombay 5	500	410
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1887
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3326
	3143	3326

	17376	7 of 7	12864
--	--------------	--------	--------------