



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/May/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	95.802	1014.549	1) Madhya Pradesh	69.441	780.044
2) Hydro	35.637	241.716	2) Gujrat	25.417	239.135
3) Gas	16.447	179.279	3) Goa	-6.241	-66.540
Total MSGENCO	147.886	1435.544	4) TAPS 1&2 (Inj.)	7.115	78.493
B) OTHERS			5) Pench (Excess)	-0.192	-2.032
1) RGPPL Gas	27.557	356.338	# Total Cent. Sector	95.540	1029.100
2) Wind Generation	8.291	89.052	F) Other Exchanges		
3) CPP	3.962	43.891	1) With TPCL (Excess)	-10.040	-91.936
4) PENCH (MS)	0.192	2.032	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.121	72.015
1) TPCL Thermal	33.811	355.741	Include PX	1.914	28.630
2) TPCL Hydro	3.343	32.099	2) MUMBAI Bilateral	11.038	104.137
TOTAL TPCL	37.154	387.840	Include PX	2.674	13.922
3) REL Thermal	12.459	136.927	3) MUMBAI Schedule	11.038	104.137
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	142.072	1507.217	1) MSEDCL	273.388	2864.021
2) Hydro (A2+B3+C2)	39.172	275.847	2) TPCL	38.587	391.441
3) Gas (A3+B1)	44.004	535.617	3) REL	21.065	225.241
4) Wind (B2)	8.291	89.052	TOTAL STATE	333.040	3480.703
5) CPP (B3)	3.962	43.891			
TOTAL STATE	237.501	2451.624			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3472	4187	4061
MSGENCO Hydro	2017	1961	612
MSGENCO Gas	670	698	692
MSGENCO Total Generation	6159	6846	5365
Central Sector Receipt	4202	3798	3608
RGPPL	1515	690	1523
WIND	249	470	442
CPP	160	158	164
Exchange with TPCL	-670	-391	-111
MSEDCL DEMAND MET	11615	11581	10991
Load Shedding	4101	4477	2018
MSEDCL DEMAND (INCL. LS)	15716	16058	13009
TPCL GENERATION	1779	1737	1403
REL GENERATION	522	517	519
TPCL+REL DEMAND	2971	2645	2033
STATE DEMAND MET	14586	14226	13024
STATE DEMAND (INCL. LS)	18687	18703	15042
Frequency (Hz)	49.47	49.61	49.71
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			7851 MW at 14.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			134.92 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.16 Hz at 23.00 Hrs	49.08 Hz at 22.48 Hrs	49.65	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 11/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.82	18.54	83	69	75
Unit 2	1.71	17.87	75	62	70
Unit 3	1.87	19.85	82	70	80
Unit 4	0.00	0.01	0	0	0
Unit 5	2.93	29.88	145	100	130
Unit 6	1.25	26.28	146	0	0
Unit 7	3.46	34.78	160	116	130
	13.03	147.22			485
Bhusawal					
Unit 1	0.60	10.73	48	0	40
Unit 2	3.88	47.35	185	118	185
Unit 3	4.41	31.62	196	167	180
	8.89	89.71			405
Parli					
Unit 1	0.57	6.16	26	21	22
Unit 2	0.51	5.97	25	16	22
Unit 3	4.31	42.98	198	160	183
Unit 4	4.12	42.22	187	164	179
Unit 5	4.22	42.34	189	155	161
Unit 6	5.99	64.87	254	234	250
Unit 7	4.43	43.46	250	124	
	24.15	248.01			817
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.24	46.72	187	154	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	46.72			180
Paras					
Unit 2	0.00	10.18	0	0	40
Unit 3	4.83	42.15	239	0	200
Unit 4	4.03	42.59	253	0	
	8.86	94.92			240
Khaparkheda					
Unit 1	4.90	49.50	216	189	210
Unit 2	4.26	46.96	184	161	180
Unit 3	4.62	49.06	198	187	190
Unit 4	4.44	43.23	193	176	190
	18.21	188.75			770
Nasik					
Unit 1	2.24	24.25	100	71	95
Unit 2	2.19	23.14	99	67	95
Unit 3	4.78	51.97	204	186	200
Unit 4	4.53	49.33	194	176	190
Unit 5	4.68	50.54	203	184	200
	18.42	199.22			780
Koyna					
Stage 1-2	7.84	53.74	550	40	600
Stage 4	18.38	119.93	1120	52	250
Stage 3	5.49	37.25	320	80	320
	31.71	210.92			1170
Kovna 12&4 Total	26.22	173.68			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.45	179.28	704	658	670
		16.45	179.28			670
Hydro						
KDPH		0.85	3.36	36	34	0
VTRNA		0.37	3.04	60	0	0
TILLARI		0.40	3.67	60	0	60
BHTGR/VEER		0.48	4.19	20	19	30
BHIRA T.R.		0.14	1.27	82	0	0
RNGR+BHTSA		0.26	2.89	11	11	30
BHANDARDRA		0.72	3.57	31	29	50
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.53	6.17	30	20	54
GHATGHAR		0.18	2.63	70	0	0
		3.92	30.79			224
PENCH (MS)						
Pench (MS)		0.19	2.03	25	0	
		0.19	2.03			
Wind						
MalharPeth		0.26	1.98			
Vankuswadi		0.67	4.71			
ATIT		0.12	1.72			
Kale		0.42	2.03			
Satara		0.26	2.94			
Shirala		0.45	2.00			
K Mahankal		0.23	1.70			
Supa		0.31	1.93			
Vita		1.02	7.66			
Dondaicha		2.61	40.21			
Sakri		0.40	6.18			
Nandurbar		0.41	5.16			
Khadakale		0.67	6.53			
Khaparale		0.48	4.30			
		8.29	89.05			
CPP						
TOTAL CPP		3.96	43.89			
		3.96	43.89			
Dabhol						
RGPPL		27.56	356.34	1538	569	1500
		27.56	356.34			1500
Tata						
Trombay 4		2.46	15.22	106	97	105
Trombay 5		9.96	107.44	415	415	420
Trombay 6		11.05	118.87	510	285	500
Trombay 7A		2.78	30.67	118	114	120
Trombay 7B		1.56	17.28	66	65	60
Trombay 8		5.99	66.27	255	240	250
TATA Hydro		3.34	32.10	324	0	447
		37.15	387.84			1902
REL						
1&2		12.46	136.93	522	517	500
		12.46	136.93			500
Cent Sect						
Share						3230
						3230
MS PG CL	Thermal	95.80	1014.55			3677
	Thml+Gas	112.25	1193.83			4347
	Hydro	35.64	241.72			1394
	Total	147.89	1435.54			5741
State Total		237.50	2451.62			12873

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	4062	1339	692	6093	1524	399	167	2925	3535	-395	-343	11375	1719	13094	2392	15486	49.75
2	4094	594	692	5380	1525	452	165	2805	3694	-234	-181	11035	2253	13288	2184	15472	49.76
3	4061	612	692	5365	1523	442	164	2786	3608	-165	-111	10991	2018	13009	2033	15042	49.71
4	4099	365	696	5160	1529	424	163	2814	4105	-165	-111	11270	1873	13143	1951	15094	49.83
5	4099	708	697	5504	1530	394	163	2816	4156	-165	-111	11636	1905	13541	1886	15427	49.74
6	4096	1597	696	6389	1530	340	160	2699	3396	-165	-111	11704	2405	14109	1903	16012	49.82
7	4114	615	700	5429	1538	263	165	2910	3483	-202	-155	10723	3609	14332	1910	16242	49.78
8	4160	316	696	5172	1536	177	161	2908	3658	-202	-152	10552	3873	14425	1921	16346	49.79
9	4169	827	687	5683	1527	201	158	3063	3476	-336	-299	10746	4127	14873	2161	17034	49.70
10	3997	984	682	5663	1527	143	160	3252	3877	-468	-428	10955	4223	15178	2553	17731	49.70
11	3692	1519	671	5882	1520	139	158	3464	4144	-657	-620	11247	4183	15430	2843	18273	49.68
12	3472	2017	670	6159	1515	249	160	3520	4202	-704	-670	11615	4101	15716	2971	18687	49.47
13	3527	2015	666	6208	1090	133	157	3579	4859	-777	-747	11700	4024	15724	2998	18722	49.55
14	3674	2008	667	6349	569	281	157	3434	4981	-754	-735	11602	4597	16199	2903	19102	49.65
15	3696	2035	663	6394	613	288	200	3400	4627	-777	-744	11378	4286	15664	3007	18671	49.58
16	3862	2031	658	6551	626	355	206	3568	4165	-785	-747	11179	4540	15719	3017	18736	49.49
17	3957	2047	665	6669	626	400	202	3522	4360	-785	-751	11530	4162	15692	2940	18632	49.69
18	4123	1906	684	6713	618	431	159	3417	4339	-643	-617	11643	3959	15602	2823	18425	49.65
19	4155	1595	692	6442	629	402	156	3226	3703	-472	-426	10906	4412	15318	2622	17940	49.66
20	4187	1961	698	6846	690	470	158	3338	3798	-425	-391	11581	4477	16058	2645	18703	49.61
21	4141	2214	701	7056	929	447	158	3289	3834	-425	-385	12063	4004	16067	2585	18652	49.60
22	4163	2169	704	7036	946	485	160	3296	4043	-425	-383	12311	3651	15962	2480	18442	49.57
23	4072	2096	690	6858	946	517	155	3201	4039	-475	-434	12106	3280	15386	2470	17856	49.43
24	4134	2067	688	6889	951	459	150	3054	3454	-435	-388	11540	3528	15068	2455	17523	49.41
MUs	95.81	35.64	16.45	147.89	27.56	8.29	3.96	76.29	95.54	-11.04	-10.04	273.39	85.21	358.60	59.65	418.25	49.65

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 11/May/2010

Position as on 6.30 Hrs of 12/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
Cent_Sect NTPC(K-1)	210	01/04/2010	23.52		Continued.	Annual Overhaul.	12/05/2010
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		Continued.	Annual Overhaul.	20/05/2010
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	
Koradi Unit 4	115	01/05/2010	00.23		Continued.	Commutator problem.	12/05/2010
Cent_Sect TARAPUR-3	540	02/05/2010	20:55		Continued.	Cooling water pump problem.	12/05/2010
Cent_Sect NTPC(K-4)	500	09/05/2010	07.00		Continued.	Boiler Tube Leakage.	12/05/2010
Koradi Unit 6	210	09/05/2010	07.05	11/05/2010	12.13	Boiler Tube Leakage.	
Paras Unit 2	55	10/05/2010	21.35	12/05/2010	03:30	Station Supply Fail.	
Paras Unit 4	250	11/05/2010	09.43	11/05/2010	13.47	AVR problem.	
Paras Unit 3	250	11/05/2010	10.27	11/05/2010	12.35	Furnance pressure high.	
Dabhol 1A	230	11/05/2010	12.30		Continued.	Electrical fault.	
Dabhol 2A	230	11/05/2010	12.30	11/05/2010	15.35	Electrical fault.	
Dabhol 2X	290	11/05/2010	12.30	11/05/2010	19.37	Electrical fault.	
Dabhol 1X	290	11/05/2010	12.30		Continued.	Electrical fault.	
Dabhol 1B	230	11/05/2010	12.30		Continued.	Electrical fault.	
Bhusawal Unit 1	58	11/05/2010	12.35	11/05/2010	21.15	AC supply fail.	
Dabhol 2A	230	11/05/2010	15.56	11/05/2010	18.39	Boiler problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/May/2010

Position as on 6.30 Hrs of 12/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Kanhan - Pench - I	11/05/2010	11.22	11/05/2010	16.36	Q.M.Work.
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	09/05/2010	08.46		Continued.	For Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur - Mapusa - II	11/05/2010	04.33		Continued.	Tripped on without indication.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Lonikand- Koyna Stage IV	20/04/2010	21.59		Continued.	29B Isolator Replacement, Hot Spot Work, Line on TBC.
400/220 KV, 315 MVA ICT II JEJURI	05/05/2010	09.00		Continued.	Own breaker problem. Taken on tie breaker.
Karad-Kolhapur CKT I	11/05/2010	09.08	11/05/2010	18.56	Replacement of faulty disc insulator string and cold washing work.
M.B.-II and B.C.at Nagothane	11/05/2010	10.50	11/05/2010	19.11	Replacement of Bus-II PG isolator of 80 MVAR bus reactor.
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
BBLSR-Waluj	07/05/2010	06.41		Continued.	Restraining of Earthwire.
Pusad -Parbhani	11/05/2010	07.38	11/05/2010	18.32	Replacement of line insulators.
Purti - Bhugaon	11/05/2010	11.37	11/05/2010	18.36	Commissioning of auto reclose relay.
Nigade - Peth	11/05/2010	16:02	11/05/2010	17:15	Removing birds nest.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132 KV, 200 MVA T/F-II at Boiser	11/05/2010	09.37	11/05/2010	18.05	For replacement of R Ph.HVCT, SFRA and oil leakage attending work.
Vita - Ghatnandre	11/05/2010	10.30	11/05/2010	15.50	Q.M.Work.
Lonikand - Bhosari	11/05/2010	12.03		Continued.	Own breaker O/H work. Line on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	08/05/2010	09.43	11/05/2010	20.14	Hand Tripped.
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.
Voltage Level : 220KV			Outage Type TRIPPED		
Kandalgaon-Bhira	08/05/2010	22.40	11/05/2010	18.24	B-Ph. CT Burst at Bhira end.
220/132 KV 150MVA ICT-II at Dhule	11/05/2010	03.15	11/05/2010	04.25	Tripped without indication.
220/132 KV 150MVA ICT-II at Dhule	11/05/2010	10.50	11/05/2010	13.06	HV breaker trip coil burnt, HV side shifted on TBC
Parli-Murud	11/05/2010	13.46	11/05/2010	13.57	Distance protection.
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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/May/2010

Position as on 6.30 Hrs of 12/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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 12/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	75
Unit 4	105	0
Unit 5	200	105
Unit 6	210	100
Unit 7	210	110
	1040	530
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	195
	478	440
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	180
Unit 4	210	180
Unit 5	210	180
Unit 6	250	250
Unit 7	250	
	1190	834
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	44
Unit 3	250	220
Unit 4	250	
	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	100
Unit 2	120	95
Unit 3	210	200
Unit 4	210	190
Unit 5	210	200
	870	785
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	34
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	18
GHATGHAR	250	0
	611	304
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	1500
	960	1500
Tata		
Trombay 4	150	100
Trombay 5	500	420
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1897
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3316
	3143	3316

	17376	7 of 7	13160
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