



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/May/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	95.901	1579.284	1) Madhya Pradesh	63.249	1124.083
2) Hydro	32.028	441.846	2) Gujrat	22.343	396.012
3) Gas	16.471	278.834	3) Goa	-6.931	-106.526
Total MSGENCO	144.400	2299.964	4) TAPS 1&2 (Inj.)	7.176	121.269
B) OTHERS			5) Pench (Excess)	-0.144	-4.880
1) RGPPL Gas	35.706	558.239	# Total Cent. Sector	85.693	1529.958
2) Wind Generation	12.089	155.664	F) Other Exchanges		
3) CPP	4.015	69.562	1) With TPCL (Excess)	-8.503	-140.619
4) PENCH (MS)	0.144	4.880	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	9.052	130.398
1) TPCL Thermal	32.386	549.391	Include PX	3.849	53.740
2) TPCL Hydro	4.415	51.301	2) MUMBAI Bilateral	9.505	154.707
TOTAL TPCL	36.801	600.692	Include PX	0.569	19.228
3) REL Thermal	12.500	211.888	3) MUMBAI Schedule	9.505	154.707
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	140.787	2340.563	1) MSEDCL	273.544	4477.648
2) Hydro (A2+B3+C2)	36.587	498.027	2) TPCL	37.234	607.056
3) Gas (A3+B1)	52.177	837.073	3) REL	20.568	346.193
4) Wind (B2)	12.089	155.664	TOTAL STATE	331.346	5430.897
5) CPP (B3)	4.015	69.562			
TOTAL STATE	245.655	3900.889			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 1 Hrs
MSGENCO Thermal	4062	4053	3793
MSGENCO Hydro	1341	1595	1473
MSGENCO Gas	676	686	693
MSGENCO Total Generation	6079	6334	5959
Central Sector Receipt	4099	3752	3008
RGPPL	1529	1540	1539
WIND	474	269	503
CPP	146	190	160
Exchange with TPCL	-495	-406	-262
MSEDCL DEMAND MET	11856	11703	10907
Load Shedding	3943	4574	1707
MSEDCL DEMAND (INCL. LS)	15799	16277	12614
TPCL GENERATION	1859	1680	1428
REL GENERATION	520	521	519
TPCL+REL DEMAND	2874	2607	2209
STATE DEMAND MET	14730	14310	13116
STATE DEMAND (INCL. LS)	18673	18884	14823
Frequency (Hz)	49.59	49.65	49.35
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			6302 MW AT 16.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			118.93 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.21 Hz at 09.05 Hrs	48.86 Hz at 23.06 Hrs	49.53	1.18 % 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 17/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.68	28.40	77	64	65
Unit 2	1.31	26.77	73	0	50
Unit 3	1.54	29.83	72	50	70
Unit 4	1.22	3.01	71	31	40
Unit 5	0.09	38.68	37	0	0
Unit 6	3.45	45.16	167	96	145
Unit 7	3.72	54.94	180	125	150
	13.01	226.80			520
Bhusawal					
Unit 1	1.09	16.97	50	39	40
Unit 2	4.31	72.43	192	150	190
Unit 3	3.90	56.77	175	155	160
	9.30	146.18			390
Parli					
Unit 1	0.42	9.46	25	0	22
Unit 2	0.57	9.26	24	22	22
Unit 3	3.86	66.09	189	89	165
Unit 4	4.07	65.93	200	149	180
Unit 5	3.50	64.40	160	132	150
Unit 6	5.97	100.39	254	234	250
Unit 7	5.86	71.53	256	222	0
	24.25	387.06			789
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.20	71.58	182	159	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
	4.20	71.58			180
Paras					
Unit 2	0.52	14.10	25	20	24
Unit 3	5.33	74.55	234	202	240
Unit 4	3.63	69.40	179	123	0
	9.48	158.05			264
Khaparkheda					
Unit 1	4.72	75.42	210	165	210
Unit 2	4.24	70.94	188	162	180
Unit 3	4.42	75.02	194	162	190
Unit 4	4.55	68.94	192	182	190
	17.94	290.33			770
Nasik					
Unit 1	2.21	31.52	96	86	95
Unit 2	1.95	35.75	93	58	90
Unit 3	4.60	79.06	203	167	200
Unit 4	4.48	75.61	194	179	190
Unit 5	4.48	77.33	194	177	200
	17.71	299.28			775
Koyna					
Stage 1-2	6.76	95.40	535	30	600
Stage 4	16.08	225.39	1116	0	250
Stage 3	5.59	69.04	318	80	320
	28.43	389.83			1170
Kovna 12&4 Total	22.84	320.79			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	16.47	278.83	708	664	680	
	16.47	278.83			680	
Hydro						
KDPH	0.41	6.04	17	17	18	
VTRNA	0.49	4.99	61	0	60	
TILLARI	0.35	5.80	59	0	60	
BHTGR/VEER	0.45	6.95	19	18	18	
BHIRA T.R.	0.11	2.12	41	0	40	
RNGR+BHTSA	0.25	4.64	11	10	11	
BHANDARDRA	0.74	7.99	31	30	18	
ELDARY	0.00	0.00	0	0	0	
SMLHY PTN	0.50	9.81	21	20	22	
GHATGHAR	0.31	3.69	125	0	0	
	3.60	52.02			247	
PENCH (MS)						
Pench (MS)	0.14	4.88	24	0		
	0.14	4.88				
Wind						
MalharPeth	0.26	3.57				
Vankuswadi	0.61	8.28				
ATIT	0.08	2.72				
Kale	0.26	3.73				
Satara	0.05	4.92				
Shirala	0.25	3.54				
K Mahankal	0.69	3.60				
Supa	0.15	2.91				
Vita	0.81	12.74				
Dondaicha	5.81	71.66				
Sakri	0.87	10.94				
Nandurbar	0.75	9.49				
Khadakale	0.88	10.33				
Khaparale	0.61	7.24				
	12.09	155.66				
CPP						
TOTAL CPP	4.45	70.00				
	4.45	70.00				
Dabhol						
RGPPL	35.71	558.24	1555	1225	1520	
	35.71	558.24			1520	
Tata						
Trombay 4	2.63	30.86	113	107	120	
Trombay 5	9.96	166.30	415	415	415	
Trombay 6	9.42	175.92	510	170	500	
Trombay 7A	2.79	47.44	118	114	120	
Trombay 7B	1.55	26.58	65	64	60	
Trombay 8	6.03	102.30	255	250	250	
TATA Hydro	4.42	51.30	429	0	447	
	36.80	600.69			1912	
REL						
1&2	12.50	211.89	524	518	500	
	12.50	211.89			500	
Cent Sect						
Share					3406	
					3406	
MS PG CL	Thermal	95.90	1579.28		3688	
	Thml+Gas	112.37	1858.12		4368	
	Hydro	32.03	441.85		1417	
	Total	144.40	2299.96		5785	
State Total		245.66	3900.89		13123	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	3793	1473	693	5959	1539	503	160	3004	3008	-306	-262	10907	1707	12614	2209	14823	49.35
2	3792	992	696	5480	1542	630	162	2830	2960	-133	-94	10680	2285	12965	2006	14971	49.47
3	3868	1086	694	5648	1541	727	164	2893	2996	-192	-143	10933	2043	12976	1905	14881	49.41
4	3866	1084	700	5650	1544	712	168	2914	3130	-192	-141	11063	1943	13006	1824	14830	49.56
5	3938	1010	704	5652	1549	728	155	2982	3259	-192	-138	11205	1976	13181	1802	14983	49.68
6	3982	1364	701	6047	1550	812	164	2954	2956	-60	-37	11492	2459	13951	1789	15740	49.49
7	4047	381	708	5136	1554	844	158	3113	2878	-229	-164	10406	3703	14109	1844	15953	49.65
8	4099	351	707	5157	1555	614	163	3111	3221	-229	-194	10516	3969	14485	1846	16331	49.75
9	4089	449	695	5233	1547	707	146	3250	3488	-356	-316	10805	4187	14992	2093	17085	49.67
10	4038	477	695	5210	1546	594	148	3393	3920	-488	-452	10985	4190	15175	2445	17620	49.75
11	4055	843	684	5582	1538	478	148	3442	4076	-535	-498	11348	4097	15445	2725	18170	49.61
12	4062	1341	676	6079	1529	474	146	3466	4099	-535	-495	11856	3943	15799	2874	18673	49.59
13	4036	1760	670	6466	1524	482	146	3485	4156	-535	-499	12275	3811	16086	2890	18976	49.54
14	3968	1918	666	6552	1520	378	151	3482	4053	-535	-501	12153	3722	15875	2849	18724	49.49
15	3964	1863	664	6491	1516	337	180	3480	3583	-582	-549	11558	4464	16022	2945	18967	49.36
16	3949	1927	666	6542	1515	285	187	3415	3801	-582	-549	11781	4213	15994	2959	18953	49.35
17	4000	1798	674	6472	1530	347	205	3433	3642	-582	-547	11649	4109	15758	2893	18651	49.55
18	4057	1402	677	6136	1533	306	204	3431	4005	-535	-499	11695	4029	15724	2813	18537	49.59
19	4067	833	682	5582	1535	277	197	3436	4153	-490	-448	11306	4450	15756	2616	18372	49.61
20	4053	1595	686	6334	1540	269	190	3439	3752	-452	-406	11703	4574	16277	2607	18884	49.65
21	4066	2103	684	6853	1280	310	172	3460	3852	-452	-403	12087	4168	16255	2551	18806	49.44
22	4108	2003	685	6796	1228	412	171	3477	3783	-452	-405	11995	4267	16262	2449	18711	49.42
23	4034	2053	679	6766	1226	439	172	3439	3659	-452	-403	11859	3834	15693	2440	18133	49.30
24	3966	1922	685	6573	1225	424	164	3300	3259	-411	-360	11285	3686	14971	2430	17401	49.37
MUs	95.90	32.03	16.47	144.40	35.71	12.09	4.02	78.63	85.69	-9.51	-8.50	273.54	85.83	359.37	57.80	417.18	49.53

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 17/May/2010

Position as on 6.30 Hrs of 18/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
Cent_Sect NTPC(V-8)	500	15/05/2010	22.16	17/05/2010	01.53	Boiler Tube Leakage.	
Koradi Unit 5	200	15/05/2010	6:19	17/05/2010	21.14	Flame Failure	
Koradi Unit 2	105	16/05/2010	16.52	17/05/2010	4:12	Turbine bearing caught fire	
Dabhol 2A	230	17/05/2010	20.12	18/05/2010	18.30	Trip on gas pressure problem.	
Dabhol 2X	290	17/05/2010	20.17	18/05/2010	21.01	Trip on gas pressure problem.	
Koradi Unit 5	200	18/05/2010	10.17	18/05/2010	13.24	Tripped on furnance pressure High.	
Koradi Unit 4	115	18/05/2010	10.24		Continued.	CHP Bunkering problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/May/2010

Position as on 6.30 Hrs of 18/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudsungi-Amona	17/05/2010	13.33		Continued.	Erection of 220 KV multi ckt tower.
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-S'Sarovar I	15/05/2010	23.44		Continued.	Hand Tripped For Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur-Bhadravti - I	17/05/2010	01.25	17/05/2010	02.09	Tripped on Over Voltage.
Chandrapur-Bhadravati II	17/05/2010	12.37	17/05/2010	13.32	Tripped on O/V, at Chandrapur end only.
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.
Karad-Kolhapur CKT I	17/05/2010	09.01	17/05/2010	18.29	Replacement of faulty disc insulator string & cold washing work.
Karad-Kolhapur CKT I	18/05/2010	09.09	18/05/2010	18.45	Replacement of faulty disc insulator string.
Babaleshwar-Dhule CKT - I	18/05/2010	10.07	18/05/2010	20.38	Replace of flash disc insulator string.
400/220 KV,315 MVA ICT-IAT NAGOTHANE	18/05/2010	10.20	18/05/2010	17.40	Pre monsoon maintenance work.
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	17/05/2010	19.05	Conductor Replacement Work.
Karad-Pophali	17/05/2010	12.00	17/05/2010	13.00	C.T. testing and Bus changing work.
Pusad - Parbhani	18/05/2010	07.48	18/05/2010	18.16	Replacement of earthwire.
K'gaon-Dasturi	18/05/2010	08.15	18/05/2010	19.33	Replacement of disc insulator.
220/100 KV,50 MVA T/F @ Ogalewadi.	18/05/2010	10.10	18/05/2010	12.45	Premansoon maintaince work.
Padgha - Jindal	18/05/2010	10.18	18/05/2010	19.10	R.M.Work
ONGC-JNPT	18/05/2010	10.34	18/05/2010	17.47	Replacement of insulator.
Ghatghar-Jindal	18/05/2010	11.03		Continued.	Conductor replacement.
220 KV Main Bus-at Jindal	18/05/2010	11.07	18/05/2010	19.10	Premonsoon maintenance work.
Karad-M'peth	18/05/2010	11.15	18/05/2010	12.08	Dismantelling of coupling condenser.
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
220/100 KV 200 MVA T/F IV at Apta.	18/05/2010	14.38	18/05/2010	14.55	SF6 gas filling work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Deepnagar-Khadka-III	17/05/2010	12.07	17/05/2010	12.34	Filling of SF6 gas.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/May/2010

Position as on 6.30 Hrs of 18/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	16/05/2010	20.38		Continued.	H/T for Over Voltage.
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 : 220KV			Outage Type TRIPPED		
Pedambe-Newkoyna	17/05/2010	10.15	17/05/2010	11.40	Tripped on New Koyna end C.B.Problem
Karad-Pophali	18/05/2010	11.45	18/05/2010	12.25	Tripped on Distance Protection.
Pedambe - Pophali	18/05/2010	13.15	18/05/2010	13.30	Tripped on 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.
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
Yawal-chopda	17/05/2010	14.15	17/05/2010	14.25	Tripped on Distance Prot.Z-II,Y-Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	60
Unit 3	105	25
Unit 4	105	30
Unit 5	200	130
Unit 6	210	150
Unit 7	210	160
	1040	630
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	170
	478	415
Parli		
Unit 1	30	0
Unit 2	30	22
Unit 3	210	165
Unit 4	210	180
Unit 5	210	150
Unit 6	250	250
Unit 7	250	
	1190	767
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	230
Unit 4	250	
	555	254
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	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	60
TILLARI	60	60
BHTGR/VEER	21	20
BHIRA T.R.	80	40
RNGR+BHTSA	20	12
BHANDARDRA	45	18
ELDARY	23	0
SMLHY PTN	12	18
GHATGHAR	250	0
	611	246
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	1250
	960	1250
Tata		
Trombay 4	150	100
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	1892
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3364
	3143	3364

	17376	7 of 7	12888
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