



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/May/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	90.741	2832.844	1) Madhya Pradesh	64.767	2175.100
2) Hydro	26.193	656.723	2) Gujrat	21.354	689.005
3) Gas	16.794	507.838	3) Goa	-7.181	-204.603
Total MSGENCO	133.728	3997.405	4) TAPS 1&2 (Inj.)	6.979	221.057
B) OTHERS			5) Pench (Excess)	-0.416	-9.386
1) RGPPL Gas	37.773	1057.503	# Total Cent. Sector	85.503	2871.173
2) Wind Generation	16.149	411.486	F) Other Exchanges		
3) CPP	3.218	127.097	1) With TPCL (Excess)	-10.600	-260.190
4) PENCH (MS)	0.416	9.568	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	13.082	297.314
1) TPCL Thermal	30.255	1003.570	Include PX	2.023	93.635
2) TPCL Hydro	5.439	108.425	2) MUMBAI Bilateral	10.060	287.176
TOTAL TPCL	35.694	1111.995	Include PX	2.969	36.721
3) REL Thermal	12.511	386.380	3) MUMBAI Schedule	11.698	288.813
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	133.507	4222.794	1) MSEDCL	266.187	8214.042
2) Hydro (A2+B3+C2)	32.048	774.716	2) TPCL	37.845	1121.223
3) Gas (A3+B1)	54.567	1565.341	3) REL	20.957	637.441
4) Wind (B2)	16.149	411.486	TOTAL STATE	324.989	9972.706
5) CPP (B3)	3.218	127.097			
TOTAL STATE	239.489	7101.434			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3807	3704	3827
MSGENCO Hydro	1512	1965	118
MSGENCO Gas	682	684	714
MSGENCO Total Generation	6001	6353	4659
Central Sector Receipt	3880	3875	3967
RGPPL	1566	1561	1590
WIND	477	574	786
CPP	121	97	131
Exchange with TPCL	-590	-992	-39
MSEDCL DEMAND MET	11455	11491	11094
Load Shedding	3875	4184	2404
MSEDCL DEMAND (INCL. LS)	15330	15675	13498
TPCL GENERATION	1797	1484	1344
REL GENERATION	520	521	523
TPCL+REL DEMAND	2907	2997	1906
STATE DEMAND MET	14362	14488	13000
STATE DEMAND (INCL. LS)	18237	18672	15404
Frequency (Hz)	49.60	49.59	49.90
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			6109 MW At 17.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			111.22 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.17 Hz at 19.04 Hrs	48.98 Hz at 23.10 Hrs	49.66	.2 % 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 31/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.44	52.48	71	45	60
Unit 2	1.35	43.40	69	21	65
Unit 3	1.35	45.72	72	35	70
Unit 4	1.18	19.57	72	16	60
Unit 5	2.88	76.32	145	74	100
Unit 6	2.52	84.93	148	45	130
Unit 7	2.04	94.86	140	0	0
	12.75	417.28			485
Bhusawal					
Unit 1	0.96	31.49	45	33	50
Unit 2	4.12	130.68	180	160	180
Unit 3	3.96	113.72	180	140	180
	9.05	275.89			410
Parli					
Unit 1	0.58	14.23	26	23	22
Unit 2	0.53	16.92	24	19	22
Unit 3	4.26	121.15	186	160	180
Unit 4	4.20	120.43	186	149	180
Unit 5	3.40	112.71	166	129	180
Unit 6	5.94	178.06	254	232	250
Unit 7	0.00	117.30	0	0	
	18.91	680.78			834
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	109.56	0	0	0
Unit 4	4.14	24.36	186	148	190
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
	4.14	133.92			190
Paras					
Unit 2	0.46	22.44	21	17	44
Unit 3	5.24	136.66	244	181	220
Unit 4	4.20	106.89	208	98	
	9.89	266.00			264
Khaparkheda					
Unit 1	4.70	138.52	210	140	210
Unit 2	4.31	126.01	190	162	180
Unit 3	4.45	132.98	202	160	190
Unit 4	4.39	120.25	192	168	190
	17.85	517.75			770
Nasik					
Unit 1	2.24	56.52	104	71	86
Unit 2	2.14	63.01	96	81	61
Unit 3	4.64	144.13	205	185	182
Unit 4	4.43	137.26	193	180	172
Unit 5	4.71	140.30	202	190	182
	18.16	541.22			683
Koyna					
Stage 1-2	5.44	143.42	485	40	600
Stage 4	13.35	316.68	1109	0	250
Stage 3	4.05	99.31	318	0	320
	22.85	559.41			1170
Kovna 12&4 Total	18.79	460.10			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	16.79	507.84	727	675	670	
	16.79	507.84			670	
Hydro						
KDPH	0.75	13.43	32	31	30	
VTRNA	0.45	11.60	61	0	60	
TILLARI	0.00	6.28	0	0	0	
BHTGR/VEER	0.12	11.41	6	5	5	
BHIRA T.R.	0.14	4.77	40	0	40	
RNGR+BHTSA	0.08	7.08	4	3	5	
BHANDARDRA	0.20	14.72	13	0	10	
ELDARY	0.00	0.00	0	0	0	
SMLHY PTN	0.46	18.05	34	12	12	
GHATGHAR	1.13	9.97	125	0	0	
	3.35	97.32			162	
PENCH (MS)						
Pench (MS)	0.42	9.57	47	0		
	0.42	9.57				
Wind						
MalharPeth	0.21	11.97				
Vankuswadi	0.62	26.02				
ATIT	0.10	8.96				
Kale	0.35	11.50				
Satara	0.26	19.65				
Shirala	0.34	11.01				
K Mahankal	1.05	11.75				
Supa	0.22	6.57				
Vita	2.26	45.13				
Dondaicha	7.30	164.79				
Sakri	1.13	27.69				
Nandurbar	1.01	21.42				
Khadakale	0.51	23.66				
Khaparale	0.79	21.36				
	16.15	411.49				
CPP						
TOTAL CPP	3.22	127.10				
	3.22	127.10				
Dabhol						
RGPPL	37.77	1057.50	1591	1556	1520	
	37.77	1057.50			1520	
Tata						
Trombay 4	2.60	67.53	110	104	100	
Trombay 5	6.78	303.64	420	0	415	
Trombay 6	10.62	318.72	510	260	500	
Trombay 7A	2.82	86.98	120	114	120	
Trombay 7B	1.58	48.65	68	65	60	
Trombay 8	5.86	178.04	251	200	250	
TATA Hydro	5.44	108.42	434	0	447	
	35.69	1112.00			1892	
REL						
1&2	12.51	386.38	523	520	500	
	12.51	386.38			500	
Cent Sect						
Share					3161	
					3161	
MS PG CL	Thermal	90.74	2832.84		3636	
	Thml+Gas	107.54	3340.68		4306	
	Hydro	26.19	656.72		1332	
	Total	133.73	3997.40		5638	
State Total		239.49	7101.43		12711	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/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	3807	856	704	5367	1582	742	149	3063	3304	-400	-295	10873	2360	13233	2248	15481	49.67
2	3832	198	708	4738	1588	816	153	3005	3513	-260	-185	10626	2871	13497	2109	15606	49.81
3	3851	112	707	4670	1582	852	148	2863	3758	-118	-49	10961	2713	13674	1935	15609	49.70
4	3827	118	714	4659	1590	786	131	2669	3967	-98	-39	11094	2404	13498	1906	15404	49.90
5	3798	310	712	4820	1588	765	150	2869	3940	-98	-43	11220	2435	13655	1880	15535	49.83
6	3754	1035	710	5499	1590	708	140	2870	3159	-99	-58	11038	2729	13767	1896	15663	49.73
7	3801	128	714	4643	1591	674	152	3093	3067	-156	-87	10040	3986	14026	1838	15864	49.84
8	3899	109	708	4716	1585	730	153	3140	3028	-206	-144	10068	4095	14163	1894	16057	49.79
9	3852	164	698	4714	1579	691	150	3280	3698	-341	-287	10545	4321	14866	2111	16977	49.69
10	3880	491	695	5066	1572	410	154	3494	3792	-549	-491	10527	4297	14824	2576	17400	49.75
11	3834	880	727	5441	1566	488	153	3490	3935	-548	-497	11086	4185	15271	2763	18034	49.65
12	3807	1512	682	6001	1566	477	121	3583	3880	-644	-590	11455	3875	15330	2907	18237	49.60
13	3846	1920	680	6446	1560	526	109	3628	3927	-691	-637	11951	3727	15678	2927	18605	49.60
14	3857	1991	676	6524	1556	546	99	3532	3956	-684	-668	12037	3479	15516	2831	18347	49.52
15	3817	2097	675	6589	1556	582	112	3554	3638	-1046	-991	11506	4185	15691	2993	18684	49.50
16	3818	1776	677	6271	1557	555	115	3602	3546	-1093	-1037	11030	4600	15630	3039	18669	49.46
17	3704	1965	684	6353	1561	574	97	3517	3852	-1026	-992	11468	4184	15652	2997	18649	49.59
18	3730	1928	687	6345	1564	747	91	3327	3523	-899	-863	11430	3934	15364	2879	18243	49.64
19	3691	876	722	5289	1568	889	136	2916	3127	-447	-416	10616	4308	14924	2583	17507	49.79
20	3722	849	721	5292	1564	917	133	3085	3488	-469	-422	11005	4422	15427	2581	18008	49.63
21	3758	1684	720	6162	1569	761	135	3098	3285	-469	-474	11485	3889	15374	2571	17945	49.55
22	3661	1901	692	6254	1575	652	138	3054	3404	-424	-421	11645	3503	15148	2442	17590	49.62
23	3616	1971	690	6277	1579	614	134	3063	3357	-439	-428	11576	3033	14609	2439	17048	49.52
24	3579	1322	691	5592	1585	647	165	3142	3359	-492	-486	10905	3004	13909	2460	16369	49.52
MUs	90.74	26.19	16.79	133.73	37.77	16.15	3.22	76.94	85.50	-11.70	-10.60	266.19	86.54	352.73	58.80	411.53	49.66

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 31/May/2010

Position as on 6.30 Hrs of 01/Jun/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	30/06/2010
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.	30/06/2010
Chandrapur Unit 7	500	25/04/2010	00.23		Continued.	Water Balancing Problem.	30/06/2010
Cent_Sect NTPC(K-4)	500	09/05/2010	07.00		Continued.	Annual Overhaul	12/06/2010
Cent_Sect NTPC(V-4)	210	19/05/2010	17:09		Continued.	Annual O/H .	09/06/2010
Chandrapur Unit 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	30/06/2010
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	
Parli Unit 7	250	28/05/2010	21.41		Continued.	Low Pressure bypass valve leakage	01/06/2010
Koradi Unit 7	210	30/05/2010	11.22	31/05/2010	06.39	Furnace Pressure High.	
Cent_Sect NTPC(K-5)	500	30/05/2010	14.45	31/05/2010	21.39	Boiler Tube Leakage	
Tata Trombay 5	500	31/05/2010	13.32	31/05/2010	17.56	Aus.Supply Failed.	
Cent_Sect NTPC(K-6)	500	31/05/2010	15.37		Continued.	Cooling water pump problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/May/2010

Position as on 6.30 Hrs of 01/Jun/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	24/05/2010	23.34		Continued.	For 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.
400/11.5 KV 90 MVA Stion T/F-IV @ Chandrapur	29/05/2010	10.18		Continued.	Maintainance Work.
Bableshwar-Aurangabad	31/05/2010	07.35	01/06/2010	04.28	Replacement of disc insulator string.
C'pur-Parli II	31/05/2010	07.41	01/06/2010	04.41	Replacement of faulty disc insulator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	Repl.of ICT by 200 MVA New ICT.
220/132 KV,100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT tobe replaced with new 200MVA ICT
220/132kv 100MVA ICT-III at padegaon	12/05/2010	13.30		Continued.	Replacement of 100 MVA ICT By 200 MVA ICT.
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
Halkarni-Tillari	31/05/2010	07.18		Continued.	Stringing work.
Momewadi -Halkarni	31/05/2010	07.37	31/05/2010	19.34	Stringing work.
Hinganghat-Bhugaon	31/05/2010	11.40	31/05/2010	19.07	To take A/R scheme in service.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Umarkhed-Tamsa	31/05/2010	08.55	31/05/2010	13.20	To attend Red Hot at Loc No,1.
Malegaon-Resod	31/05/2010	11.35	31/05/2010	18.30	Replacement of LA.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV,315 MVA ICT-I at Parly.	29/05/2010	22.22		Continued.	ICT Charged with LV Side on TBC due to PDR Problem.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	24/05/2010	18.01	31/05/2010	07.29	For BBLR-A'bad outage.
Bhusawal- Aurangabad	01/06/2010	04.11		Continued.	H/T for O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5/6.6 KV 70 MVA Strn.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		
Purti - Bhugaon	31/05/2010	02.58	31/05/2010	04.22	Tripped due to B-Ph CT of Khaparkheda ckt.burst at Purti.
Khaperkheda-Purti	31/05/2010	02.58	31/05/2010	18.30	B Ph CT Burst at Purti.
Talandge - Sawantwadi	31/05/2010	04.17	31/05/2010	15.10	Distanace Protection,Declared Faulty.
220/22KV 50MVA T/F at Theur	01/06/2010	03.57	01/06/2010	05.07	Bus fault.
220/132,200 MVA Tr.-I @ Theur.	01/06/2010	03.57		Continued.	Bus fault.
Lonikand-Theur CKT. II	01/06/2010	03.57		Continued.	Bus fault.
Chinchwad-Theur	01/06/2010	03.57		Continued.	Bus fault.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/May/2010

Position as on 6.30 Hrs of 01/Jun/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Theur - Yawat	01/06/2010	03.57		Continued.	Bus fault.
Theur - Magarpatta	01/06/2010	03.57		Continued.	Bus fault.
Lonikand-Theur - I	01/06/2010	03.57	01/06/2010	05.00	Bus fault.
220/132 KV 200 MVA ICT - II at Theur	01/06/2010	03.57		Continued.	Oil tank burst.
Karad-Wathar	01/06/2010	04.55		Continued.	Tripped on Dist.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.
Theur - Phursungi	01/06/2010	03.57		Continued.	Bus fault.
Theur-Phanaswadi	01/06/2010	03.57		Continued.	Bus fault.
Theur-Kharadi	01/06/2010	03.57		Continued.	Bus fault.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Jun/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	50
Unit 3	105	70
Unit 4	105	40
Unit 5	200	120
Unit 6	210	120
Unit 7	210	150
	1040	610
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	190
	478	435
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	0
Unit 4	210	190
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	190
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	160
Unit 4	210	190
	840	740
Nasik		
Unit 1	120	100
Unit 2	120	90
Unit 3	210	195
Unit 4	210	180
Unit 5	210	200
	870	765
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	36
VTRNA	60	60
TILLARI	60	0
BHTGR/VEER	21	6
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	12
ELDARY	23	0
SMLHY PTN	12	6
GHATGHAR	250	0
	611	160
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	110
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	1907
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3280
	3143	3280

	17376	7 of 7	13045
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