



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/May/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/May/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.527	3419.812	1) Madhya Pradesh	74.525	1797.394
2) Hydro	9.132	356.538	2) Gujrat	11.150	526.036
3) Gas	15.132	457.193	3) Goa	-6.166	-181.264
Total MSGENCO	134.791	4233.543	4) TAPS 1&2 (Inj.)	6.793	193.021
B) OTHERS			5) Pench (Excess)	0.000	-1.921
1) RGPPL Gas	22.357	514.671	# Total Cent. Sector	86.302	2333.266
2) Wind Generation	15.891	396.129	F) Other Exchanges		
3) PENCH (MS)	0.000	1.921	1) With TPCL	-6.572	-82.392
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.986	975.760	1) MSEDCL Bilateral	10.463	280.053
2) TPCL Hydro	2.077	116.425	Include PX	3.153	42.436
TOTAL TPCL	33.063	1092.185	2) MUMBAI Bilateral	5.914	105.388
3) REL Thermal	12.627	377.961	Include PX	1.323	-11.368
D) STATE			3) MUMBAI Schedule	5.914	105.388
1) Thermal (A1+C1+C3)	154.140	4773.533	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	11.209	474.884	1) MSEDCL	252.769	7399.059
3) Gas (A3+B1)	37.489	971.864	2) TPCL	34.724	1032.600
4) Wind (B2)	15.891	396.129	3) REL	17.537	516.198
TOTAL STATE	218.729	6616.410	TOTAL STATE	305.030	8947.857

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4664	4730	4547
MSGENCO Hydro	93	307	55
MSGENCO Gas	658	644	659
MSGENCO Total Generation	5415	5681	5261
Central Sector Receipt	3972	4026	3418
RGPPL	929	929	933
WIND	645	647	642
Exchange with TPCL	-461	-315	-65
MSEDCL DEMAND MET	10500	10968	10189
Load Shedding	3222	3263	1459
MSEDCL DEMAND (INCL. LS)	13722	14231	11648
TPCL GENERATION	1480	1441	1143
REL GENERATION	525	525	529
TPCL+REL DEMAND	2466	2281	1737
STATE DEMAND MET	12966	13249	11926
STATE DEMAND (INCL. LS)	16188	16512	13385
Frequency (Hz)	50.12	49.74	50.18
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4412 MW AT 12.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			80.18 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.47 Hz at 03.36 Hrs	49.11 Hz at 19.45 Hrs	50.01	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 30/May/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	7.10	0	0	0
Unit 2	1.74	35.94	79	68	70
Unit 3	0.01	28.22	6	0	0
Unit 4	1.45	33.44	77	33	50
Unit 5	3.63	91.28	162	139	140
Unit 6	3.67	93.26	166	135	150
Unit 7	3.58	100.61	164	134	140
	14.07	389.84			550
Bhusawal					
Unit 1	1.15	31.27	56	5	50
Unit 2	0.00	105.20	0	0	0
Unit 3	4.31	123.56	188	167	175
	5.46	260.04			225
Parli					
Unit 1	0.05	13.44	24	0	0
Unit 2	0.57	16.86	24	22	20
Unit 3	0.00	77.64	0	0	0
Unit 4	3.73	111.79	161	144	150
Unit 5	4.00	104.73	180	143	160
Unit 6	5.03	139.99	223	183	220
	13.38	464.45			550
Chandrapur					
Unit 1	4.18	122.50	180	167	170
Unit 2	3.92	119.72	168	152	170
Unit 3	4.93	134.68	212	200	210
Unit 4	0.00	0.00	0	0	0
Unit 5	8.06	244.10	400	298	330
Unit 6	9.93	283.47	440	383	425
Unit 7	10.24	262.88	455	355	450
	41.27	1167.34			1755
Paras					
Unit 2	0.05	26.09	22	0	0
Unit 3	5.32	148.87	240	174	180
	5.37	174.96			180
Khaparkheda					
Unit 1	4.13	124.48	182	162	170
Unit 2	4.18	126.16	180	166	170
Unit 3	4.13	128.26	179	164	170
Unit 4	4.11	127.80	188	156	170
	16.55	506.69			680
Nasik					
Unit 1	0.00	52.72	0	0	0
Unit 2	1.84	39.29	94	60	90
Unit 3	4.24	127.44	188	164	175
Unit 4	4.31	114.16	191	171	170
Unit 5	4.02	122.88	190	0	170
	14.42	456.49			605
Uran					
All Units	15.13	457.19	660	444	640
	15.13	457.19			640
Koyna					
Stage 1-2	1.87	73.53	500	35	600
Stage 4	5.25	144.56	780	0	250
Koyna 12&4 Total	7.12	218.09			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.17	46.62	190	0	320
	8.29	264.70			1170
Hydro					
KDPH	0.00	12.63	0	0	0
VTRNA	0.00	23.80	0	0	0
TILLARI	0.00	3.53	0	0	0
BHTGR/VEER	0.00	17.67	0	0	15
BHIRA T.R.	0.28	6.08	82	0	80
RNGR+BHTSA	0.24	9.08	10	10	13
BHANDARDRA	0.00	10.83	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.48	10	0	0
GHATGHAR	0.26	6.75	125	0	0
	0.84	91.83			108
PENCH (MS)					
Pench (MS)	0.00	1.92	0	0	
	0.00	1.92			
Wind					
MalharPeth	0.69	12.37			
Vankuswadi	1.65	26.13			
ATIT	0.24	4.83			
Kale	0.10	5.02			
Satara	1.16	17.43			
Shirala	0.44	9.63			
K Mahankal	0.06	6.69			
Supa	0.32	6.23			
Vita	1.95	46.86			
Dondaicha	5.90	173.84			
Sakri	1.02	28.44			
Nandurbar	0.88	25.27			
Khadakale	0.71	18.32			
Khaparale	0.76	15.06			
	15.89	396.13			
Dabhol					
RGPP L II	22.36	514.67	937	926	575
RGPP L III		0.00	0	0	
	22.36	514.67			575
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	363.28	505	505	500
Trombay 6	10.94	317.48	510	280	500
Trombay 7A	2.98	85.58	127	122	120
Trombay 7B	1.65	47.88	69	68	60
Trombay 8	3.29	161.54	154	130	140
TATA Hydro	2.08	116.42	270	2	447
	33.06	1092.18			1767
REL					
1&2	12.63	377.96	529	524	500
	12.63	377.96			500
Cent Sect					
Share					3064
					3064

MS PG CL	Thermal	110.53	3419.81		4545
	Thml+Gas	125.66	3877.00		5185
	Hydro	9.13	356.54		1278
	Total	134.79	4233.54		6463
State Total		218.73	6616.41		12369

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/May/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	MUMBAI		MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	MUMBAI DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS						SCH.	EXCH.						
1	4491	825	655	5971	935	755	2950	3184	-158	-157	10688	1061	11749	2076	13825	50.04
2	4462	765	658	5885	936	720	2748	3012	-63	-55	10498	1064	11562	1932	13494	50.19
3	4490	760	659	5909	936	695	2749	3067	-63	-55	10552	1130	11682	1821	13503	50.20
4	4527	517	659	5703	936	689	2751	3021	-63	-60	10289	1370	11659	1757	13416	50.27
5	4547	55	659	5261	933	642	2767	3418	-63	-65	10189	1459	11648	1737	13385	50.18
6	4608	50	659	5317	933	556	2785	3721	-63	-93	10434	1579	12013	1760	13773	50.12
7	4675	130	660	5465	933	658	2792	3330	-63	-91	10295	2151	12446	1756	14202	50.13
8	4689	125	658	5472	933	535	3106	3309	-63	-91	10158	2224	12382	1760	14142	50.09
9	4665	76	656	5397	932	717	3112	3364	-73	-95	10315	2824	13139	1919	15058	50.13
10	4675	55	660	5390	930	732	3472	3725	-425	-457	10320	3067	13387	2290	15677	49.98
11	4664	93	658	5415	929	645	3468	3972	-425	-461	10500	3222	13722	2466	16188	50.12
12	4651	385	651	5687	927	607	3466	4018	-425	-463	10776	3316	14092	2567	16659	49.92
13	4562	716	648	5926	926	547	3471	3674	-409	-463	10610	3333	13943	2596	16539	49.94
14	4603	586	646	5835	929	643	3470	3625	-378	-464	10568	3379	13947	2455	16402	49.99
15	4642	374	635	5651	928	706	3468	3496	-425	-466	10315	3351	13666	2492	16158	49.83
16	4635	311	634	5580	926	831	3468	3538	-425	-457	10418	3166	13584	2499	16083	49.81
17	4599	89	619	5307	927	737	3468	3657	-425	-461	10167	3247	13414	2468	15882	49.94
18	4535	50	641	5226	931	733	3349	3524	-319	-352	10062	3263	13325	2371	15696	50.14
19	4657	64	647	5368	930	721	3306	3535	-279	-309	10245	2874	13119	2251	15370	50.00
20	4730	307	644	5681	929	647	3142	4026	-289	-315	10968	3263	14231	2281	16512	49.74
21	4737	311	646	5694	932	505	3163	4104	-289	-318	10917	3015	13932	2310	16242	49.78
22	4775	494	558	5827	934	642	3167	4289	-289	-318	11374	2787	14161	2298	16459	50.00
23	4515	1324	478	6317	935	638	3197	3980	-285	-316	11554	1954	13508	2297	15805	49.82
24	4393	670	444	5507	937	594	3076	3713	-153	-190	10561	1641	12202	2103	14305	49.90
MUs	110.53	9.13	15.13	134.79	22.36	15.90	75.91	86.30	-5.91	-6.57	252.77	59.74	312.51	52.26	364.78	50.01

NOTE : ALL VALUES IN MW

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

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 30/May/2009

Position as on 6.30 Hrs of 31/May/2009

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)	31/03/2010
Cent_Sect NTPC(V-4)	210	28/04/2009	10.15	30/05/2009	03.54	Annual Overhaul	
Cent_Sect NTPC(V-10)	500	25/05/2009	08.50		Continued.	Capital overhaul	26/06/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	01/07/2009
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	01/06/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	
Tata Trombay 4	150	09/04/2009	02.10		Continued.	W/dn	
Koradi Unit 3	105	20/05/2009	21.46	30/05/2009	23.35	Furnace Casing damage.	
Koradi Unit 1	105	21/05/2009	08.49		Continued.	Hot Spot in Windbox.	31/05/2009
Nasik Unit 1	125	28/05/2009	11.20	31/05/2009	09.10	Boiler Tube Leakage	
Uran Unit 3	60	29/05/2009	01.03		Continued.	Governer Problem	
Parli Unit 1	30	29/05/2009	09.19	30/05/2009	21.28	ESP Problem.	
Parli Unit 3	210	29/05/2009	09.24		Continued.	Boiler Tube Leakage	31/05/2009
Cent_Sect TARAPUR-4	540	29/05/2009	12.22		Continued.	Bus fault.	
Paras Unit 2	55	29/05/2009	15.37	30/05/2009	21.24	Boiler Tube Leakage	
Bhusawal Unit 2	210	29/05/2009	21.42		Continued.	Boiler Tube Leakage	01/06/2009
Nasik Unit 5	210	30/05/2009	22.10	31/05/2009	20.40	HP Drain pipe leakage	
Bhusawal Unit 1	58	30/05/2009	23.06	31/05/2009	14.08	Air Heater Prob.	
Parli Unit 6	250	31/05/2009	09.46		Continued.	Economizer Tube leakage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/May/2009

Position as on 6.30 Hrs of 31/May/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar II	14/05/2009	14.25		Continued.	H/T FOR O/V
DHULE-SAR'SAROVAR-I	30/05/2009	02.52	30/05/2009	06.18	H/T FOR O/V
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha - Akola - I	14/05/2009	08.01		Continued.	Tripped on over voltage
Chandrapur - Bhadravati - 3	31/05/2009	16.28	31/05/2009	18.12	Dist.Prot,B Ph-E
Chandrapur;-Bhadravati-4	31/05/2009	16.28	31/05/2009	18.01	Dist.Prot,B Ph-E
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Kharghar	29/05/2009	07.56	30/05/2009	15.40	Insulator Replacement
STG IV-New Koyna-II	30/05/2009	08.26	30/05/2009	20.31	Y & B Ph.CVT Repacement Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Chalisgaon-BSL-I	29/05/2009	08.05		Continued.	Line shifting
Bhusawal-Chalisgaon-II	29/05/2009	08.12		Continued.	Line shifting
Kandalgaon-Lonand	30/05/2009	06.21	31/05/2009	17.15	Replacement of Earth Wire
220KV Bus at Kalyani	30/05/2009	10.20	30/05/2009	14.45	Jumper Replacement.
Miraj-Vita	30/05/2009	11.15	30/05/2009	13.41	Tan Delta Measurment.
Kalwa-C'chem	30/05/2009	12.27		Continued.	Tower shifting work
Boisor-Versova	30/05/2009	23.00	31/05/2009	17.25	Relay replacement
Pophali-KDPH	31/05/2009	09.00	31/05/2009	15.40	R.M. Work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Malkapur - Khamgaon	28/05/2009	12.05		Continued.	Retrofitting work.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
HVDC POLE II - CHDPR	29/05/2009	22.42	30/05/2009	03.42	Thyrister valve problem
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/100KV 200MVA ICT at Padgha	29/05/2009	11.00	30/05/2009	04.56	To attend Oil Leakage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	29/05/2009	05.15		Continued.	To increase loading of Akola ICT
Voltage Level : 132KV			Outage Type HAND TRIPPED		
pardi-uppalwadi	29/05/2009	19.30	30/05/2009	06.30	H/T to control Ambazari-Mankapur line loading
Voltage Level : 400KV			Outage Type TRIPPED		
C;pur-Parli CKT .I	31/05/2009	17.35	31/05/2009	17.58	Tripped On Dist.Prot.Zone-I,R.Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/May/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	70
Unit 4	105	40
Unit 5	200	140
Unit 6	210	150
Unit 7	210	130
	1040	600
Bhusawal		
Unit 1	58	0
Unit 2	210	0
Unit 3	210	175
	478	175
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	0
Unit 4	210	150
Unit 5	210	160
Unit 6	250	220
	940	570
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	0
Unit 5	500	400
Unit 6	500	425
Unit 7	500	450
	2340	1825
Paras		
Unit 2	55	25
Unit 3	250	177
	305	202
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
	840	680
Nasik		
Unit 1	120	0
Unit 2	120	65
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	870	445
Uran		
All Units	852	640
	852	640
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	90
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	
Dabhol		
RGPL II	740	575
RGPL III	740	
	1480	575
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	50
Trombay 7B	60	50
Trombay 8	250	220
TATA Hydro	444	447
	2024	1767
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3010
	3143	3010

	17396	6 of 6	12249
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