



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Mar/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Mar/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.165	3331.828	1) Madhya Pradesh	75.102	1894.122
2) Hydro	7.574	359.242	2) Gujrat	17.706	530.218
3) Gas	15.679	363.822	3) Goa	-6.085	-169.320
Total MSGENCO	135.418	4054.892	4) TAPS 1&2 (Inj.)	7.310	193.107
B) OTHERS			5) Pench (Excess)	-0.038	-1.926
1) RGPPL Gas	15.109	359.106	# Total Cent. Sector	93.995	2446.201
2) Wind Generation	5.303	118.359	F) Other Exchanges		
3) PENCH (MS)	0.038	1.975	1) With TPCL	-1.790	-63.134
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	24.706	800.913	1) MSEDCL Bilateral	9.942	250.331
2) TPCL Hydro	3.088	92.416	Include PX	1.129	47.284
TOTAL TPCL	27.794	893.329	2) MUMBAI Bilateral	3.546	108.369
3) REL Thermal	12.720	354.955	Include PX	-0.623	17.157
D) STATE			3) MUMBAI Schedule	3.546	111.519
1) Thermal (A1+C1+C3)	149.591	4487.696	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	10.700	453.633	1) MSEDCL	248.073	6919.374
3) Gas (A3+B1)	30.788	722.928	2) TPCL	26.225	872.919
4) Wind (B2)	5.303	118.359	3) REL	16.079	445.214
TOTAL STATE	196.382	5782.616	TOTAL STATE	290.377	8237.507

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4852	4758	4535
MSGENCO Hydro	184	236	94
MSGENCO Gas	660	654	650
MSGENCO Total Generation	5696	5648	5279
Central Sector Receipt	3779	4722	3567
RGPPL	631	627	633
WIND	116	362	413
Exchange with TPCL	-34	-262	104
MSEDCL DEMAND MET	10188	11097	9996
Load Shedding	3455	3577	0
MSEDCL DEMAND (INCL. LS)	13643	14674	9996
TPCL GENERATION	1302	1311	881
REL GENERATION	529	527	531
TPCL+REL DEMAND	1865	2100	1308
STATE DEMAND MET	12053	13197	11304
STATE DEMAND (INCL. LS)	15508	16774	11304
Frequency (Hz)	49.56	49.81	49.84
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4252 MW AT 13.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			77.25 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.26 Hz at 13.01 Hrs	48.97 Hz at 20.39 Hrs	49.75	.14 % 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 28/Mar/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.32	9.55	61	0	0
Unit 2	1.62	42.96	78	50	70
Unit 3	1.67	33.87	86	60	70
Unit 4	1.48	36.75	85	26	70
Unit 5	3.22	99.73	145	112	140
Unit 6	1.96	66.26	142	0	30
Unit 7	3.24	86.26	163	98	140
	13.49	375.39			520
Bhusawal					
Unit 1	0.60	20.60	29	19	25
Unit 2	4.26	123.21	189	154	190
Unit 3	4.54	128.66	206	176	190
	9.40	272.47			405
Parli					
Unit 1	0.56	15.04	26	21	20
Unit 2	0.60	16.40	26	24	20
Unit 3	3.18	79.18	155	103	145
Unit 4	3.62	68.66	158	135	150
Unit 5	3.65	87.80	158	146	145
Unit 6	0.00	147.16	0	0	0
	11.61	414.24			480
Chandrapur					
Unit 1	1.98	102.69	166	0	0
Unit 2	0.52	107.14	164	0	0
Unit 3	4.85	137.96	210	186	210
Unit 4	4.36	108.24	203	150	210
Unit 5	9.72	246.61	480	339	350
Unit 6	9.54	254.76	435	330	350
Unit 7	9.22	277.52	444	348	350
	40.18	1234.93			1470
Paras					
Unit 2	1.10	30.49	50	42	0
Unit 3		43.03	0	0	45
	1.10	73.53			45
Khaparkheda					
Unit 1	4.56	105.39	200	169	200
Unit 2	4.53	128.96	201	180	200
Unit 3	4.54	133.20	203	172	200
Unit 4	4.39	126.14	196	171	200
	18.02	493.70			800
Nasik					
Unit 1	2.28	43.77	103	92	95
Unit 2	2.07	53.99	96	70	70
Unit 3	4.67	120.38	205	187	180
Unit 4	4.68	127.19	203	184	180
Unit 5	4.67	122.24	206	185	190
	18.36	467.58			715
Uran					
All Units	15.68	363.82	684	635	650
	15.68	363.82			650
Koyna					
Stage 1-2	1.90	64.82	260	40	600
Stage 4	2.52	162.53	486	0	250
Koyna 12&4 Total	4.42	227.35			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.68	47.59	146	0	320
	5.09	274.94			1170
Hydro					
KDPH	0.38	12.29	38	0	0
VTRNA	0.00	7.59	0	0	0
TILLARI	0.52	12.35	60	0	60
BHTGR/VEER	0.96	24.68	40	40	43
BHIRA T.R.	0.17	3.98	73	0	80
RNGR+BHTSA	0.34	9.32	14	14	15
BHANDARDRA	0.00	6.42	0	0	0
ELDARY	0.00	1.14	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.12	6.54	113	0	0
	2.48	84.30			198
PENCH (MS)					
Pench (MS)	0.04	1.98	24	0	
	0.04	1.98			
Wind					
MalharPeth	0.19	4.17			
Vankuswadi	0.50	10.67			
ATIT	0.03	1.66			
Kale	0.14	3.61			
Satara	0.19	4.50			
Shirala	0.20	4.64			
K Mahankal	0.03	1.06			
Supa	0.14	3.99			
Vita	0.76	24.57			
Dondaicha	1.69	35.90			
Sakri	0.54	6.58			
Nandurbar	0.42	5.45			
Khadakale	0.34	9.92			
Khaparale	0.14	1.65			
	5.30	118.36			
Dabhol					
RGPP L II	15.11	359.11	637	621	600
RGPP L III		0.00	0	0	
	15.11	359.11			600
Tata					
Trombay 4	0.00	59.48	0	0	0
Trombay 5	12.12	339.31	505	505	500
Trombay 6	8.28	332.20	470	200	500
Trombay 7A	2.74	60.73	126	109	100
Trombay 7B	1.57	9.18	68	64	80
TATA Hydro	3.09	92.42	316	2	297
	27.79	893.33			1477
REL					
1&2	12.72	354.96	532	527	500
	12.72	354.96			500
Cent Sect					
Share					3470
					3470

MS PG CL	Thermal	112.16	3331.83		4435
	Thml+Gas	127.84	3695.65		5085
	Hydro	7.57	359.24		1368
	Total	135.42	4054.89		6453
State Total		196.38	5782.62		12500

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Mar/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	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	4608	114	642	5364	633	383	3226	3353	-95	-20	9713	486	10199	1532	11731	49.91
2	4572	94	642	5308	634	457	3112	3479	23	106	9984	0	9984	1377	11361	49.94
3	4535	94	650	5279	633	413	3107	3567	23	104	9996	0	9996	1308	11304	49.84
4	4273	104	678	5055	635	355	3107	3893	23	106	10044	702	10746	1307	12053	49.92
5	4300	113	680	5093	635	332	2911	3854	218	303	10217	1450	11667	1127	12794	49.81
6	4481	479	679	5639	637	274	2982	3491	129	210	10251	2142	12393	1263	13656	49.60
7	4629	464	684	5777	637	245	2803	3127	318	367	10153	3038	13191	1334	14525	49.73
8	4759	144	681	5584	637	195	3257	3273	146	218	9907	3327	13234	1476	14710	49.77
9	4854	152	669	5675	635	157	3333	3371	93	164	10002	3458	13460	1569	15029	49.74
10	4852	184	660	5696	631	116	3574	3779	-101	-34	10188	3455	13643	1865	15508	49.56
11	4796	245	652	5693	628	127	4020	4065	-301	-234	10279	3045	13324	2073	15397	49.64
12	4700	554	636	5890	625	83	3713	4146	-376	-312	10432	3301	13733	2190	15923	49.58
13	4776	1016	637	6429	624	88	3705	4109	-376	-314	10936	3156	14092	2192	16284	49.83
14	4810	379	640	5829	627	82	3701	4181	-326	-262	10457	3188	13645	2089	15734	49.98
15	4801	268	635	5704	623	117	3699	4115	-326	-263	10296	3264	13560	2100	15660	49.66
16	4731	142	637	5510	621	135	3829	4157	-326	-261	10162	3617	13779	2119	15898	49.73
17	4710	146	636	5492	621	185	3914	4320	-326	-259	10359	3544	13903	2082	15985	49.67
18	4755	164	638	5557	623	197	3967	4118	-295	-219	10276	3384	13660	2013	15673	49.64
19	4752	237	651	5640	626	185	3922	4056	-217	-141	10366	3362	13728	1960	15688	49.73
20	4758	236	654	5648	627	362	3840	4722	-342	-262	11097	3577	14674	2100	16774	49.81
21	4763	553	639	5955	625	256	3762	4522	-342	-263	11095	3070	14165	1999	16164	49.44
22	4700	779	648	6127	630	227	3741	4193	-323	-243	10958	3085	14043	1861	15904	49.74
23	4657	566	654	5877	631	209	3381	4206	-272	-191	10746	2881	13627	1718	15345	49.85
24	4593	347	657	5597	631	294	3222	3898	-172	-90	10330	2369	12699	1650	14349	49.84
MUs	112.16	7.57	15.68	135.42	15.11	5.47	83.83	94.00	-3.55	-1.79	248.24	62.90	311.14	42.30	353.45	49.75

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 28/Mar/2009

Position as on 6.30 Hrs of 29/Mar/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
Paras Unit 3	250	10/03/2009	02.03		Continued.	PG Test	03/04/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	01/07/2009
Uran Unit 4	60	01/04/2008	00:00		Continued.	Gas Restriction	
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 3	60	23/10/2008	06.40		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	30/03/2009
Dabhol 1X	290	16/03/2009	17.01		Continued.	No insurance.	
Dabhol 1A	230	16/03/2009	17.05		Continued.	No insurance.	
Koradi Unit 6	210	25/03/2009	13.00	28/03/2009	05:47	Boiler Tube Leakage	29/03/2009
Koradi Unit 1	105	26/03/2009	09.45	28/03/2009	10.33	Fire in Control Cable.	
Tata Trombay 4	150	26/03/2009	16.21		Continued.	W/dn	31/03/2009
Parli Unit 6	250	27/03/2009	01.57		Continued.	Boiler Tube Leakage	30/03/2009
Chandrapur Unit 1	210	28/03/2009	02:50	28/03/2009	11:33	Tripped,220 Bus fault at C'pur	
Chandrapur Unit 2	210	28/03/2009	03:11		Continued.	Vacuum failed.	28/03/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Mar/2009

Position as on 6.30 Hrs of 29/Mar/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	27/03/2009	00.20	28/03/2009	10.33	H/T FOR O/V
DHULE-SAR'SAROVAR-I	28/03/2009	18:15		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Single Ph.105 MVA Spare ICT-II at Karad	02/03/2009	10:45		Continued.	Repl. of existing single phase ICT of 400KV ICT-I, B Ph. by Spare ICT-II
400/220KV,315 MVA ICT-III at Padgha	23/03/2009	09.57		Continued.	L.V.Main Brk.replacement,L.V.Side On TBC.
400/220 KV,315 MVA ICT-II at Chandrapur	23/03/2009	11.14	28/03/2009	09.31	L.V.Main Brk.replacement,L.V.Side On TBC.
400/220 KV,105 MVA Spare ICT-I at Karad S/S.	24/03/2009	12.56		Continued.	Attending oil leakage from neutral bushing.
BSL-Akola-Koradi	26/03/2009	04:34	28/03/2009	22:18	IN SERVICE.
Dhule-Bblswr-II	29/03/2009	08:18	29/03/2009	23:34	CCT.Taken on TBC due to M.B. Problem.
New Koyna - StageIV - I	29/03/2009	10:27	29/03/2009	17:42	Testing Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT-II @ Kalmeshwar	25/03/2009	16.30		Continued.	Augmentation of 100MVA ICT by 200MVA ICT
220 KV TBC @ Kharghar	26/03/2009	09.45	28/03/2009	18:25	C.T.Replacement.
BBLSWR-ANAGAR CKT I	28/03/2009	10.35	28/03/2009	16.55	Q.M. WORK
Main Bus - II at New Parly S/Stn.	29/03/2009	08:30	29/03/2009	22:38	Outage For Connecting Jumpers
Trombay-Nerul	29/03/2009	10:56	29/03/2009	22:00	LILO works for new Sonkhar S/Stn.
Tifil-Trombay	29/03/2009	11:18	29/03/2009	19:30	LILO works for new Sonkhar S/Stn.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Kalyan	28/03/2009	09:08	28/03/2009	15:20	R.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
BBLSR-BHUSAWAL	26/03/2009	04.20	28/03/2009	22:38	Due to Outage on Koradi-BSL-I
Voltage Level : 220KV			Outage Type HAND TRIPPED		
100 MVA ICT-I at A'nagar	27/03/2009	21:45	28/03/2009	00:45	132kv M.Bus-I Outage,L.V.Rph Bus-I to isol jumper broken.
Warora-Hinganghat	28/03/2009	03:54	28/03/2009	10:48	H/T For O/L,ICT.
Dhule-Dondaicha-II	29/03/2009	20:22	29/03/2009	11:16	H/T for Isolator G.B. problem.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - StageIV - I	27/03/2009	23:41	28/03/2009	04:50	TRIPPED ON O/V
400/220 KV,315 MVA ICT-II at Chandrapur	28/03/2009	02.50	28/03/2009	09.31	Tripped, B Ph.L.V.CT of TBC burst.
Voltage Level : 220KV			Outage Type TRIPPED		
Uran-Apta-II	26/03/2009	05.35	29/03/2009	17:55	Bus fault at Uran, Y phase P.T.Burst and C.T.damaged
220 KV Bus Coupler @ C'PUR	28/03/2009	02:50	28/03/2009	04:06	Tripped, Bus Bar Prot. OPTD
220/66 kv,50 MVA T/F,@ C'PUR.	28/03/2009	02:50	28/03/2009	04:15	Bus Fault
220/6.6 kv,40 MVA,Stn.T/F-I @ C'PUR	28/03/2009	02:50	28/03/2009	05:12	Bus Fault
C'pur-Sicom-I	28/03/2009	02:50	28/03/2009	04:22	Bus Fault

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Mar/2009

Position as on 6.30 Hrs of 29/Mar/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220 kV Rly TSS - II @ C'PUR	28/03/2009	02:50	28/03/2009	04:08	Bus Fault
220KV TBC BAY at Chandrapur.	28/03/2009	02:50		Continued.	B Phase CT Burst
Chandrapur-Gadchandur	28/03/2009	02:50	28/03/2009	04:26	Bus Fault
220/132 kv 200 MVA ICT-2 at Solapur.	28/03/2009	10:10	28/03/2009	10:42	Buchholz Trip.
100 MVA,220/132 kv ICT at Bale S/S	28/03/2009	13:23	28/03/2009	13:52	Tripped on O/C.
220/132 kv 200 MVA ICT-2 at Solapur.	28/03/2009	13:23	28/03/2009	16:30	Buchholz Trip.
150MVA,220/132kv ICT at Bale	28/03/2009	13:23	28/03/2009	13:38	Tripped on O/C.
BBLSWR-CHLSGN	28/03/2009	13:35	28/03/2009	14:11	Distance Protection
Padgha-Wada	29/03/2009	08:59	29/03/2009	09:40	Tripped ,Dist.Prot.
Kolhapur-Karad-IV	29/03/2009	16:01	29/03/2009	16:15	Tripped ,Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani - Pathri	28/03/2009	22:10	29/03/2009	02:42	Y ph C.T. Faulty.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Mar/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	60
Unit 3	105	60
Unit 4	105	55
Unit 5	200	125
Unit 6	210	155
Unit 7	210	155
	1040	610
Bhusawal		
Unit 1	58	25
Unit 2	210	190
Unit 3	210	190
	478	405
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	145
Unit 4	210	145
Unit 5	210	150
Unit 6	250	0
	940	480
Chandrapur		
Unit 1	210	170
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	350
Unit 6	500	350
Unit 7	500	400
	2340	1690
Paras		
Unit 2	55	45
Unit 3	250	0
	305	45
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	190
Unit 4	210	180
	840	750
Nasik		
Unit 1	120	95
Unit 2	120	90
Unit 3	210	190
Unit 4	210	190
Unit 5	210	200
	870	765
Uran		
All Units	852	600
	852	600
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	36
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	40
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	232
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	
Dabhol		
RGPPPL II	740	600
RGPPPL III	740	
	1480	600
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
TATA Hydro	444	297
	1774	1477
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3627
	3143	3627