



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Mar/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Mar/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.576	2495.975	1) Madhya Pradesh	75.827	1380.941
2) Hydro	6.243	316.143	2) Gujrat	20.525	383.218
3) Gas	12.724	267.792	3) Goa	-5.866	-125.493
Total MSGENCO	132.543	3079.910	4) TAPS 1&2 (Inj.)	7.321	141.991
B) OTHERS			5) Pench (Excess)	-0.054	-1.821
1) RGPPL Gas	15.008	254.002	# Total Cent. Sector	97.753	1778.836
2) Wind Generation	6.411	86.537	F) Other Exchanges		
3) PENCH (MS)	0.054	1.821	1) With TPCL	-1.466	-49.158
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	29.845	610.364	1) MSEDCL Bilateral	11.480	173.602
2) TPCL Hydro	4.293	66.678	Include PX	0.391	34.293
TOTAL TPCL	34.138	677.042	2) MUMBAI Bilateral	2.738	76.666
3) REL Thermal	12.648	266.243	Include PX	-0.930	12.129
D) STATE			3) MUMBAI Schedule	2.738	79.816
1) Thermal (A1+C1+C3)	156.069	3372.582	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	10.590	384.642	1) MSEDCL	250.303	5153.769
3) Gas (A3+B1)	27.732	521.794	2) TPCL	32.079	669.561
4) Wind (B2)	6.411	86.537	3) REL	16.162	331.965
TOTAL STATE	200.802	4365.555	TOTAL STATE	298.544	6155.295

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4832	4900	4492
MSGENCO Hydro	247	290	131
MSGENCO Gas	516	608	508
MSGENCO Total Generation	5595	5798	5131
Central Sector Receipt	4417	4327	3568
RGPPL	626	623	630
WIND	125	381	502
Exchange with TPCL	-112	-212	93
MSEDCL DEMAND MET	10651	10941	9924
Load Shedding	4226	3785	0
MSEDCL DEMAND (INCL. LS)	14877	14726	9924
TPCL GENERATION	1509	1558	1246
REL GENERATION	528	526	529
TPCL+REL DEMAND	2149	2296	1682
STATE DEMAND MET	12800	13237	11606
STATE DEMAND (INCL. LS)	17026	17022	11606
Frequency (Hz)	49.67	49.70	49.93
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5241 MW AT 10.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			82.16 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.41 Hz at 00.16 Hrs	49.22 Hz at 16.14 Hrs	49.79	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 21/Mar/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	8.07	0	0	0
Unit 2	1.65	34.62	76	51	70
Unit 3	1.55	23.14	75	47	70
Unit 4	1.54	26.50	80	32	60
Unit 5	4.03	75.00	192	124	150
Unit 6	3.91	51.60	195	130	140
Unit 7	0.00	67.62	0	0	0
	12.69	286.55			490
Bhusawal					
Unit 1	0.59	16.28	28	21	25
Unit 2	4.38	92.94	191	174	190
Unit 3	4.56	97.28	208	180	200
	9.53	206.50			415
Parli					
Unit 1	0.53	11.16	24	20	20
Unit 2	0.59	12.29	26	22	20
Unit 3	3.55	54.48	160	120	150
Unit 4	3.68	43.30	165	148	145
Unit 5	3.70	61.86	170	140	140
Unit 6	6.01	118.39	259	244	250
	18.06	301.48			725
Chandrapur					
Unit 1	0.27	76.66	79	0	0
Unit 2	3.68	83.75	158	144	160
Unit 3	4.92	103.81	210	198	210
Unit 4	0.30	78.37	200	0	0
Unit 5	9.98	174.12	470	340	450
Unit 6	9.92	184.73	450	344	450
Unit 7	10.18	207.46	460	373	450
	39.24	908.90			1720
Paras					
Unit 2	1.07	22.66	50	32	45
Unit 3	0.00	43.03	0	0	0
	1.07	65.69			45
Khaparkheda					
Unit 1	4.84	72.30	209	195	200
Unit 2	4.57	97.68	202	181	200
Unit 3	4.60	103.42	214	173	210
Unit 4	4.55	93.95	200	178	210
	18.56	367.35			820
Nasik					
Unit 1	2.14	36.40	96	80	95
Unit 2	0.36	42.23	72	0	0
Unit 3	3.94	93.51	178	158	160
Unit 4	4.09	95.56	180	162	175
Unit 5	3.88	91.80	168	154	160
	14.42	359.50			590
Uran					
All Units	12.72	267.79	661	482	500
	12.72	267.79			500
Koyna					
Stage 1-2	1.18	54.11	80	35	600
Stage 4	1.57	151.25	474	0	250
Koyna 12&4 Total	2.75	205.36			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.30	42.89	104	0	240
	3.05	248.25			1090
Hydro					
KDPH	0.91	11.38	39	38	36
VTRNA	0.00	7.59	0	0	0
TILLARI	0.48	9.05	60	0	60
BHTGR/VEER	0.96	18.08	40	40	40
BHIRA T.R.	0.17	2.76	80	0	80
RNGR+BHTSA	0.31	6.74	13	13	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	0.35	4.73	125	0	0
	3.19	67.89			231
PENCH (MS)					
Pench (MS)	0.05	1.82	24	0	
	0.05	1.82			
Wind					
MalharPeth	0.19	3.18			
Vankuswadi	0.56	7.96			
ATIT	0.09	1.38			
Kale	0.22	2.68			
Satara	0.24	3.33			
Shirala	0.32	3.44			
K Mahankal	0.02	0.80			
Supa	0.24	2.93			
Vita	0.64	18.70			
Dondaicha	2.42	25.58			
Sakri	0.46	4.39			
Nandurbar	0.39	3.70			
Khadakale	0.52	7.27			
Khaparale	0.11	1.20			
	6.41	86.54			
Dabhol					
RGPP L II	15.01	254.00	630	617	600
RGPP L III	0.00	0.00	0	0	
	15.01	254.00			600
Tata					
Trombay 4	2.25	51.54	97	92	80
Trombay 5	12.12	254.50	505	505	500
Trombay 6	12.24	255.45	510	510	500
Trombay 7A	1.99	45.85	83	83	100
Trombay 7B	1.24	3.02	52	50	100
TATA Hydro	4.29	66.68	316	0	297
	34.14	677.04			1577
REL					
1&2	12.65	266.24	531	522	500
	12.65	266.24			500
Cent Sect					
Share					3536
					3536

MS PG CL	Thermal	113.58	2495.98		4805
	Thml+Gas	126.30	2763.77		5305
	Hydro	6.24	316.14		1321
	Total	132.54	3079.91		6626
State Total		200.80	4365.56		12839

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	4670	126	506	5302	630	519	3199	3529	-64	-2	9978	0	9978	1779	11757	50.15
2	4492	131	508	5131	630	502	3080	3568	55	93	9924	0	9924	1682	11606	49.93
3	4462	131	508	5101	629	388	3026	3755	105	149	10022	0	10022	1626	11648	49.92
4	4486	131	508	5125	628	494	3025	3781	105	148	10176	0	10176	1626	11802	50.08
5	4524	131	508	5163	629	525	2872	3898	263	303	10518	568	11086	1471	12557	49.98
6	4557	146	512	5215	629	387	2984	4222	263	293	10746	1524	12270	1509	13779	49.77
7	4686	171	518	5375	628	163	3189	4360	120	156	10682	2420	13102	1617	14719	49.98
8	4809	150	515	5474	628	141	3448	4225	213	241	10709	3228	13937	1661	15598	49.97
9	4808	200	522	5530	629	169	3497	4000	162	188	10516	3965	14481	1809	16290	49.74
10	4832	247	516	5595	626	125	3888	4417	-138	-112	10651	4226	14877	2149	17026	49.67
11	4777	504	512	5793	625	164	3921	4249	-315	-291	10540	3674	14214	2375	16589	49.70
12	4765	606	511	5882	623	95	3805	4152	-335	-322	10430	3587	14017	2411	16428	49.65
13	4761	675	493	5929	621	78	3843	4160	-335	-311	10477	3523	14000	2399	16399	49.67
14	4773	577	482	5832	621	98	3920	4085	-260	-223	10413	3547	13960	2309	16269	49.64
15	4706	475	483	5664	619	140	3725	4060	-260	-238	10245	3692	13937	2326	16263	49.43
16	4741	255	488	5484	617	141	3972	4034	-260	-230	10046	3733	13779	2313	16092	49.41
17	4719	241	494	5454	619	184	3999	4153	-288	-208	10202	3558	13760	2288	16048	49.53
18	4795	203	500	5498	621	236	3920	4101	-237	-158	10298	3354	13652	2239	15891	49.67
19	4858	216	537	5611	624	192	3909	4003	-186	-123	10317	3468	13785	2206	15991	49.89
20	4900	290	608	5798	623	381	3537	4327	-286	-212	10941	3785	14726	2296	17022	49.70
21	4891	224	660	5775	624	438	3532	4346	-286	-173	11030	3410	14440	2232	16672	49.73
22	4910	146	661	5717	628	371	3522	4204	-284	-166	10754	3358	14112	2086	16198	49.97
23	4841	131	622	5594	628	373	3545	4197	-288	-179	10613	2952	13565	1982	15547	49.87
24	4813	136	552	5501	629	338	3407	3927	-198	-89	10306	2443	12749	1861	14610	49.89
MUs	113.58	6.24	12.72	132.54	15.01	6.64	84.76	97.75	-2.74	-1.47	250.53	64.02	314.55	48.25	362.80	49.79

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 21/Mar/2009

Position as on 6.30 Hrs of 22/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
Cent_Sect KARPR2	220	03/02/2009	00.24	22/03/2009	08.49	Bi-Annual overhaul work	
Paras Unit 3	250	10/03/2009	02.03		Continued.	PG Test	25/03/2009
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
Koradi Unit 1	105	06/03/2009	10:52		Continued.	Boiler Tube Leakage	24/03/2009
Dabhol 1X	290	16/03/2009	17.01		Continued.	No insurance.	
Dabhol 1A	230	16/03/2009	17.05		Continued.	No insurance.	
Koyna Unit 11	80	18/03/2009	08.00	22/03/2009	10.45	Gen.Stator Core Tightning.	
Uran Unit 5	108	18/03/2009	12.01	21/03/2009	10:53	Gas Restriction	
Chandrapur Unit 1	210	19/03/2009	17.08	21/03/2009	19:43	SuperHeater Tube Leakage	
Koradi Unit 7	210	20/03/2009	14.41		Continued.	E.S.P Problem	23/03/2009
Chandrapur Unit 4	210	21/03/2009	01.30	22/03/2009	11.45	Economizer Tube leakage	
Nasik Unit 2	125	21/03/2009	05.35	22/03/2009	02:50	Boiler Tube Leakage	
Koradi Unit 3	105	22/03/2009	02:39	22/03/2009	05:27	Boiler Trip.	
Tata Trombay 7B	60	22/03/2009	09.04		Continued.	L.P.Turbine Control Valve Problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Mar/2009

Position as on 6.30 Hrs of 22/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-I	20/03/2009	00:40	22/03/2009	06.36	H/T FOR O/V
Dhule-Sar'Sarovar II	22/03/2009	00:18	22/03/2009	10.02	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
Dhule - Babhaleshwar - I	21/03/2009	08:57	21/03/2009	18:40	R.M. Work
400/220 KV,600 MVA ICT-I @ Kalwa	22/03/2009	07.55	22/03/2009	19.49	CTR Fire System Installation.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Padgha-Jambhul II	16/03/2009	10.42	21/03/2009	16:32	Main Brk.repl.Maint.work at Padgha line taken on TBC.
OCIL Bus coupler	20/03/2009	09.14	21/03/2009	16.45	Main Bus O/H.
Main C.B.of 40MVA 220/7KV Stn T/F-II at 220kv C'PUR	20/03/2009	19.35	21/03/2009	16.50	Oil leakage from main C.B.Stn T/F on TBC
LONIKAND-KATHAPUR	21/03/2009	09:25	21/03/2009	18:40	Insulator Replacement
220/132,200MVA Tr.-2 @ A' Nager	21/03/2009	09:30	21/03/2009	13:30	Q.M. WORK
NASIK-GHATGHAR	21/03/2009	11:10	21/03/2009	18:09	Testing Work
Khaparkheda-TBC Breaker.	21/03/2009	12.00		Continued.	O/H Work
Jejuri I-Jejuri II	21/03/2009	12:25	21/03/2009	13:30	Testing Work
Arrey-Main Bus-I	21/03/2009	23.09	22/03/2009	10.49	R.M.Work.
220/100 KV ICT-3 at Borivali	22/03/2009	10.20	22/03/2009	18.08	L.A.replacement work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
LONIKHAND-PARLY-I	20/03/2009	10.53	22/03/2009	18.23	Taken on TBC for M.B.work. At Loniland End.
C;pur-Parli CKT .I	21/03/2009	21.21	22/03/2009	13.22	Taken on TBC.At C'pur End.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - StageIV - I	21/03/2009	02.18	21/03/2009	20:30	TRIPPED ON O/V
Voltage Level : 220KV			Outage Type TRIPPED		
220/22, 25MVA T/F at Nagothane	21/03/2009	02:18	21/03/2009	20:30	W/dn for Buchholz relay
Kharghar-TSS	21/03/2009	10:40	21/03/2009	13:17	line Tripped
Apta-HOC	21/03/2009	13:05	21/03/2009	16:45	line Tripped
Padga-Kalwa-I	21/03/2009	14:41	21/03/2009	16:59	Distance Protection
Temghar-Colourchem	21/03/2009	14:50	21/03/2009	17:20	Distance Protection
Parbhani-Parly	22/03/2009	03.37	22/03/2009	04.25	Tripped due to Bkr Problem.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Mar/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	80
Unit 3	105	80
Unit 4	105	80
Unit 5	200	150
Unit 6	210	150
Unit 7	210	0
	1040	540
Bhusawal		
Unit 1	58	25
Unit 2	210	190
Unit 3	210	200
	478	415
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	140
Unit 4	210	150
Unit 5	210	150
Unit 6	250	255
	940	735
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	210
Unit 4	210	0
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	1880
Paras		
Unit 2	55	45
Unit 3	250	0
	305	45
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	210
Unit 4	210	200
	840	810
Nasik		
Unit 1	120	95
Unit 2	120	70
Unit 3	210	160
Unit 4	210	160
Unit 5	210	160
	870	645
Uran		
All Units	852	525
	852	525
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
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	14
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	230
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		
RGPPL II	740	600
RGPPL III	740	0
	1480	600
Tata		
Trombay 4	150	80
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	100
TATA Hydro	444	297
	1774	1577
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3524
	3143	3524

	17146	13116
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