



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Mar/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Mar/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.442	2382.399	1) Madhya Pradesh	67.304	1305.114
2) Hydro	6.392	309.900	2) Gujrat	19.161	362.693
3) Gas	11.930	255.068	3) Goa	-6.077	-119.627
Total MSGENCO	136.764	2947.367	4) TAPS 1&2 (Inj.)	7.404	134.670
B) OTHERS			5) Pench (Excess)	-0.009	-1.767
1) RGPPL Gas	14.984	238.994	# Total Cent. Sector	87.783	1681.083
2) Wind Generation	7.511	80.126	F) Other Exchanges		
3) PENCH (MS)	0.009	1.767	1) With TPCL	-3.460	-47.692
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	29.882	580.519	1) MSEDCL Bilateral	8.366	162.122
2) TPCL Hydro	3.746	62.385	Include PX	0.526	33.902
TOTAL TPCL	33.628	642.904	2) MUMBAI Bilateral	5.499	73.928
3) REL Thermal	12.655	253.595	Include PX	0.052	13.059
D) STATE			3) MUMBAI Schedule	5.499	77.078
1) Thermal (A1+C1+C3)	160.979	3216.513	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	10.147	374.052	1) MSEDCL	243.591	4903.412
3) Gas (A3+B1)	26.914	494.062	2) TPCL	33.128	637.482
4) Wind (B2)	7.511	80.126	3) REL	16.613	315.803
TOTAL STATE	205.551	4164.753	TOTAL STATE	293.332	5856.697

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5154	5075	4718
MSGENCO Hydro	268	400	166
MSGENCO Gas	513	505	487
MSGENCO Total Generation	5935	5980	5371
Central Sector Receipt	3735	4236	3349
RGPPL	625	627	627
WIND	101	450	427
Exchange with TPCL	-253	-346	214
MSEDCL DEMAND MET	10143	10948	9988
Load Shedding	3809	3605	1044
MSEDCL DEMAND (INCL. LS)	13952	14553	11032
TPCL GENERATION	1480	1530	1248
REL GENERATION	528	525	529
TPCL+REL DEMAND	2261	2401	1563
STATE DEMAND MET	12404	13349	11551
STATE DEMAND (INCL. LS)	16213	16954	12595
Frequency (Hz)	49.55	49.93	49.56
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4311 MW at 09.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			77.01 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.34 Hz at 21.59 Hrs	48.86 Hz at 10.16 Hrs	49.59	1.2 % 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 20/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	1.72	32.97	76	65	70
Unit 3	0.91	21.59	66	0	0
Unit 4	1.77	24.95	82	56	75
Unit 5	3.17	70.97	166	106	140
Unit 6	3.14	47.69	174	86	125
Unit 7	1.84	67.62	147	0	140
	12.54	273.86			550
Bhusawal					
Unit 1	0.64	15.69	28	26	25
Unit 2	4.37	88.56	193	162	190
Unit 3	4.54	92.72	199	177	200
	9.56	196.97			415
Parli					
Unit 1	0.56	10.64	24	22	20
Unit 2	0.59	11.70	28	15	20
Unit 3	3.46	50.93	160	140	145
Unit 4	3.35	39.62	156	102	145
Unit 5	3.34	58.16	160	130	145
Unit 6	5.92	112.38	259	225	225
	17.21	283.43			700
Chandrapur					
Unit 1	0.00	76.39	0	0	0
Unit 2	3.80	80.07	164	153	160
Unit 3	4.90	98.89	209	187	210
Unit 4	4.39	78.07	206	123	210
Unit 5	10.50	164.14	462	373	450
Unit 6	10.61	174.80	460	375	440
Unit 7	10.08	197.28	451	400	405
	44.28	869.66			1875
Paras					
Unit 2	1.11	21.58	50	44	45
Unit 3	0.00	43.03	0	0	0
	1.11	64.62			45
Khaparkheda					
Unit 1	2.98	67.46	199	0	0
Unit 2	4.58	93.11	197	181	200
Unit 3	4.84	98.82	212	184	210
Unit 4	4.97	89.40	213	196	210
	17.38	348.79			620
Nasik					
Unit 1	2.23	34.26	101	82	95
Unit 2	1.79	41.87	96	60	90
Unit 3	3.94	89.57	172	159	160
Unit 4	4.50	91.47	198	176	195
Unit 5	3.90	87.92	171	152	160
	16.36	345.08			700
Uran					
All Units	11.93	255.07	513	472	500
	11.93	255.07			500
Koyna					
Stage 1-2	1.70	52.94	320	35	600
Stage 4	1.09	149.68	508	0	250
Kovna 12&4 Total	2.79	202.61			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.78	42.59	160	0	240
	3.57	245.20			1090
Hydro					
KDPH	0.91	10.46	38	37	36
VTRNA	0.00	7.59	0	0	0
TILLARI	0.48	8.57	60	0	60
BHTGR/VEER	0.96	17.12	40	40	40
BHIRA T.R.	0.16	2.59	65	0	80
RNGR+BHTSA	0.31	6.43	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	0.00	4.38	0	0	0
	2.82	64.70			231
PENCH (MS)					
Pench (MS)	0.01	1.77	8	0	
	0.01	1.77			
Wind					
MalharPeth	0.24	3.00			
Vankuswadi	0.57	7.40			
ATIT	0.13	1.30			
Kale	0.27	2.46			
Satara	0.30	3.09			
Shirala	0.28	3.12			
K Mahankal	0.04	0.78			
Supa	0.15	2.69			
Vita	1.10	18.05			
Dondaicha	2.93	23.16			
Sakri	0.50	3.93			
Nandurbar	0.54	3.31			
Khadakale	0.37	6.76			
Khaparale	0.10	1.09			
	7.51	80.13			
Dabhol					
RGPP L II	14.98	238.99	630	610	600
RGPP L III	0.00	0.00	0	0	
	14.98	238.99			600
Tata					
Trombay 4	2.29	49.28	97	94	150
Trombay 5	12.12	242.38	505	505	500
Trombay 6	12.24	243.21	510	510	500
Trombay 7A	1.99	43.86	83	83	120
Trombay 7B	1.24	1.78	52	51	50
TATA Hydro	3.75	62.38	304	2	297
	33.63	642.90			1617
REL					
1&2	12.66	253.60	531	523	500
	12.66	253.60			500
Cent Sect					
Share					3717
					3717

MS PG CL	Thermal	118.44	2382.40		4905
	Thml+Gas	130.37	2637.47		5405
	Hydro	6.39	309.90		1321
	Total	136.76	2947.37		6726
State Total		205.55	4164.75		13160

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	4757	136	473	5366	624	441	3148	3216	-65	33	9680	1534	11214	1746	12960	49.30
2	4699	130	472	5301	628	437	3029	3080	53	156	9602	1496	11098	1622	12720	49.63
3	4742	126	476	5344	628	416	2975	3231	103	212	9831	1374	11205	1565	12770	49.60
4	4718	166	487	5371	627	427	2976	3349	103	214	9988	1044	11032	1563	12595	49.56
5	4756	181	496	5433	627	431	2874	3316	208	306	10113	1524	11637	1466	13103	49.56
6	4828	481	510	5819	629	357	2849	3040	261	361	10206	2257	12463	1415	13878	49.47
7	4969	260	510	5739	629	294	3247	3106	53	156	9924	3668	13592	1618	15210	49.42
8	5022	146	510	5678	629	211	3519	3332	125	215	10065	3825	13890	1654	15544	49.45
9	5071	195	509	5775	628	127	3484	3570	-26	56	10156	3860	14016	1884	15900	49.61
10	5154	268	513	5935	625	101	3778	3735	-323	-253	10143	3809	13952	2261	16213	49.55
11	5072	329	499	5900	619	97	3874	3835	-489	-426	10025	3423	13448	2456	15904	49.24
12	5039	294	490	5823	613	101	3865	3949	-534	-477	10009	3435	13444	2553	15997	49.14
13	4940	758	490	6188	610	135	3866	3961	-543	-467	10427	3382	13809	2522	16331	49.21
14	4948	731	493	6172	619	191	3784	3737	-470	-393	10326	3391	13717	2431	16148	49.36
15	4916	189	497	5602	620	257	3822	3716	-534	-462	9733	3608	13341	2511	15852	49.59
16	4898	131	490	5519	620	288	3938	3761	-537	-463	9725	3813	13538	2507	16045	49.58
17	4929	134	487	5550	619	354	4130	3893	-519	-447	9969	3657	13626	2496	16122	49.55
18	4974	196	493	5663	621	476	4025	3873	-433	-347	10286	3400	13686	2398	16084	49.67
19	5022	229	503	5754	626	484	3991	3710	-360	-273	10309	3192	13501	2317	15818	49.91
20	5075	400	505	5980	627	450	3721	4236	-428	-346	10948	3605	14553	2401	16954	49.93
21	5079	346	505	5930	627	428	3598	4160	-360	-280	10865	3313	14178	2258	16436	49.87
22	5049	290	507	5846	630	422	3523	3972	-287	-207	10663	3315	13978	2117	16095	50.04
23	4960	135	508	5603	629	416	3536	4131	-292	-209	10570	2466	13036	2065	15101	50.02
24	4820	141	507	5468	630	454	3397	3873	-206	-119	10306	2044	12350	1917	14267	49.94
MUs	118.44	6.39	11.93	136.76	14.98	7.80	84.95	87.78	-5.50	-3.46	243.87	70.44	314.30	49.74	364.05	49.59

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 20/Mar/2009

Position as on 6.30 Hrs of 21/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	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.	
Khaparkheda Unit 1	210	17/03/2009	03.50	20/03/2009	06.26	Boiler Tube Leakage	
Koradi Unit 3	105	17/03/2009	22.27	20/03/2009	08.12	Boiler Tube Leakage	
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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Mar/2009

Position as on 6.30 Hrs of 21/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	20/03/2009	07.57	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 315MVA ICT-III at Padgha	20/03/2009	08.47	20/03/2009	20.35	Extn.of Bus for new Bus Reactor
Aux.Bus at 400 KV Padgha.	20/03/2009	11.10	20/03/2009	20.30	Extn.of Bus for new Bus Reactor
400/220 KV 300 MVA ICT-I @ Koradi	20/03/2009	11.48	20/03/2009	13.54	To replace Air and taking on load
Chandrapur-Parli -I	20/03/2009	12.53	20/03/2009	13.22	Tripped ,Dist.Prot.
Dhule - Babhaleshwar - I	21/03/2009	08:57	21/03/2009	18:40	R.M. Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
C'pur-Sicom-II	14/03/2009	19:09	20/03/2009	20.47	CT replacement.
Padgha-Jambhul II	16/03/2009	10.42	21/03/2009	16:32	Main Brk.repl.Maint.work at Padgha line taken on TBC.
220/100KV,125MVA ICT-IV at Kalwa	20/03/2009	08.57	20/03/2009	19.30	R.M. Work
OCIL Bus coupler	20/03/2009	09.14	21/03/2009	16.45	Main Bus O/H.
Pedambe-Kharepatan	20/03/2009	09.15	20/03/2009	19.35	Line Maintenance work.
Borivali-Mulund	20/03/2009	09.35	20/03/2009	18.55	C.C.Replacement & R.M.works
Nagothane-Warkhal-I	20/03/2009	10.44	20/03/2009	19.16	Bay Maintenance work.
Nagothane-Warkhal-II	20/03/2009	10.50	20/03/2009	19.12	Bay Maintenance work.
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
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Ambazari-Wardha	17/03/2009	11.47	20/03/2009	08.25	To control Koradi ICT loading
Parbhani-Pusad	19/03/2009	16.40	20/03/2009	06.39	To control Koradi ICT loading
Wardha-K'Kheda	19/03/2009	16.46	20/03/2009	06.16	To control Koradi ICT loading
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

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Mar/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	70
Unit 4	105	60
Unit 5	200	150
Unit 6	210	140
Unit 7	210	0
	1040	490
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	150
Unit 4	210	145
Unit 5	210	140
Unit 6	250	250
	940	725
Chandrapur		
Unit 1	210	0
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	1720
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	210
	840	820
Nasik		
Unit 1	120	95
Unit 2	120	0
Unit 3	210	160
Unit 4	210	175
Unit 5	210	160
	870	590
Uran		
All Units	852	500
	852	500
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	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	231
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		
RGPL II	740	600
RGPL III	740	
	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	3536
	3143	3536

	17146	12839
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