



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Feb/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	129.789	2501.279	1) Madhya Pradesh	60.532	1309.950
2) Hydro	8.489	265.919	2) Gujrat	16.508	363.515
3) Gas	13.447	293.158	3) Goa	-5.914	-113.013
Total MSGENCO	151.725	3060.356	4) TAPS 1&2 (Inj.)	7.385	147.758
B) OTHERS			5) Pench (Excess)	0.000	0.023
1) RGPPL Gas	8.166	150.201	# Total Cent. Sector	78.511	1708.233
2) Wind Generation	3.969	52.782	F) Other Exchanges		
3) PENCH (MS)	0.000	0.000	1) With TPCL	-2.258	-114.400
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	26.913	380.813	1) MSEDCL Bilateral	10.247	207.680
2) TPCL Hydro	4.068	89.285	Include PX	0.398	52.316
TOTAL TPCL	30.981	470.098	2) MUMBAI Bilateral	3.494	132.284
3) REL Thermal	12.687	254.040	Include PX	0.000	25.686
D) STATE			3) MUMBAI Schedule	3.494	133.034
1) Thermal (A1+C1+C3)	169.389	3136.132	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	12.557	355.204	1) MSEDCL	240.113	4857.172
3) Gas (A3+B1)	21.613	443.359	2) TPCL	30.333	556.044
4) Wind (B2)	3.969	52.782	3) REL	15.591	282.546
TOTAL STATE	207.528	3987.477	TOTAL STATE	286.037	5695.762

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	5459	5638	5098
MSGENCO Hydro	242	707	182
MSGENCO Gas	610	559	470
MSGENCO Total Generation	6311	6904	5750
Central Sector Receipt	3539	3568	2718
RGPPL	447	306	327
WIND	159	130	91
Exchange with TPCL	-195	-248	101
MSEDCL DEMAND MET	10261	10660	8987
Load Shedding	4840	3984	1729
MSEDCL DEMAND (INCL. LS)	15101	14644	10716
TPCL GENERATION	1388	1601	893
REL GENERATION	529	529	531
TPCL+REL DEMAND	2112	2378	1323
STATE DEMAND MET	12373	13038	10310
STATE DEMAND (INCL. LS)	17213	17022	12039
Frequency (Hz)	49.22	49.55	49.30
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4734 MW AT 10.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			86.26 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.08 Hz at 18.04 Hrs	48.85 Hz at 12.49 Hrs	49.35	3.14 % 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 20/Feb/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.58	32.01	77	58	70
Unit 2	1.82	34.64	80	64	70
Unit 3	0.00	0.00	0	0	0
Unit 4	1.73	31.94	80	60	75
Unit 5	4.13	79.88	189	155	160
Unit 6	0.00	25.94	0	0	0
Unit 7	4.20	83.22	198	160	170
	13.45	287.63			545
Bhusawal					
Unit 1	0.61	12.14	27	24	25
Unit 2	0.60	51.23	105	0	0
Unit 3	4.50	83.23	195	178	190
	5.70	146.60			215
Parli					
Unit 1	0.48	10.41	22	18	20
Unit 2	0.55	11.49	25	17	20
Unit 3	4.13	76.40	189	137	180
Unit 4	4.07	80.10	192	118	130
Unit 5	2.10	61.68	183	0	0
Unit 6	5.59	102.02	241	222	230
	16.93	342.10			580
Chandrapur					
Unit 1	4.04	70.36	176	159	165
Unit 2	4.18	82.58	178	156	175
Unit 3	5.09	83.25	215	212	210
Unit 4	4.70	91.16	200	190	195
Unit 5	10.42	189.24	468	413	425
Unit 6	10.43	192.84	460	420	460
Unit 7	10.29	171.03	463	400	450
	49.14	880.46			2080
Paras					
Unit 2	1.11	18.36	48	44	25
Unit 3	5.04	101.64	241	90	250
	6.15	120.00			275
Khaparkheda					
Unit 1	4.80	95.52	206	188	200
Unit 2	4.65	92.55	205	180	200
Unit 3	4.76	94.44	208	184	200
Unit 4	4.94	95.16	211	199	200
	19.15	377.68			800
Nasik					
Unit 1	2.27	38.90	102	90	95
Unit 2	2.41	35.37	105	92	95
Unit 3	4.80	95.87	210	177	200
Unit 4	4.96	96.37	214	204	200
Unit 5	4.82	80.31	211	186	200
	19.27	346.81			790
Uran					
All Units	13.45	293.16	665	469	650
	13.45	293.16			650
Koyna					
Stage 1-2	2.59	46.82	345	30	600
Stage 4	1.62	101.35	459	0	250
Kovna 12&4 Total	4.21	148.16			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.31	31.26	80	0	240
	4.52	179.42			1090
Hydro					
KDPH	0.00	10.33	0	0	0
VTRNA	1.45	24.79	61	60	60
TILLARI	0.41	7.90	60	0	60
BHTGR/VEER	1.32	24.86	55	55	40
BHIRA T.R.	0.20	5.04	82	0	80
RNGR+BHTSA	0.29	6.93	12	12	10
BHANDARDRA	0.29	0.30	14	0	15
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	1.03	0	0	0
GHATGHAR	0.00	5.32	0	0	0
	3.97	86.49			265
PENCH (MS)					
Pench (MS)	0.00	0.00	0	0	
	0.00	0.00			
Wind					
MalharPeth	0.15	2.60			
Vankuswadi	0.33	5.92			
ATIT	0.04	0.66			
Kale	0.11	2.26			
Satara	0.11	2.38			
Shirala	0.12	1.81			
K Mahankal	0.05	0.34			
Supa	0.09	1.41			
Vita	1.46	11.83			
Dondaicha	0.53	13.77			
Sakri	0.68	3.18			
Nandurbar	0.05	1.99			
Khadakale	0.23	3.72			
Khaparale	0.03	0.90			
	3.97	52.78			
Dabhol					
RGPP L II	8.17	150.20	494	294	300
RGPP L III	0.00	0.00	0	0	
	8.17	150.20			300
Tata					
Trombay 4	2.42	54.12	103	100	100
Trombay 5	12.12	240.85	505	505	500
Trombay 6	8.93	14.34	500	160	500
Trombay 7A	2.05	47.62	92	72	80
Trombay 7B	1.39	23.90	61	54	80
TATA Hydro	4.07	89.28	376	2	447
	30.98	470.10			1707
REL					
1&2	12.69	254.04	531	523	500
	12.69	254.04			500
Cent Sect					
Share					3149
					3149

MS PG CL	Thermal	129.79	2501.28		5285
	Thml+Gas	143.24	2794.44		5935
	Hydro	8.49	265.92		1355
	Total	151.72	3060.36		7290
State Total		207.53	3987.48		12946

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Feb/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	5122	262	472	5856	327	33	2814	2877	-57	-1	9092	1720	10812	1428	12240	49.30
2	5098	182	470	5750	327	91	2728	2718	43	101	8987	1729	10716	1323	12039	49.30
3	5122	197	469	5788	313	109	2762	2869	43	103	9182	1805	10987	1322	12309	49.59
4	5176	182	486	5844	317	123	2752	3081	93	152	9517	1686	11203	1272	12475	49.55
5	5219	262	549	6030	332	127	2797	3031	95	154	9674	2528	12202	1271	13473	49.38
6	5241	658	653	6552	348	181	2843	3030	47	105	10216	2833	13049	1319	14368	49.32
7	5356	349	665	6370	440	182	2884	2881	47	104	9977	4204	14181	1421	15602	49.30
8	5426	191	644	6261	447	174	3282	3083	-1	56	10021	4486	14507	1602	16109	49.34
9	5440	197	612	6249	446	174	3300	3303	-71	-16	10156	4840	14996	1771	16767	49.30
10	5459	242	610	6311	447	159	3495	3539	-254	-195	10261	4840	15101	2112	17213	49.22
11	5430	260	600	6290	494	194	3492	3450	-254	-197	10231	4435	14666	2277	16943	49.25
12	5428	360	568	6356	294	202	3489	3475	-242	-201	10126	4382	14508	2314	16822	49.29
13	5393	501	552	6446	296	172	3483	3530	-242	-205	10239	4241	14480	2366	16846	49.22
14	5405	416	539	6360	298	169	3480	3551	-242	-205	10173	4277	14450	2245	16695	49.43
15	5437	254	542	6233	298	138	3480	3520	-242	-209	9980	4134	14114	2304	16418	49.35
16	5433	361	542	6336	297	133	3480	3378	-248	-216	9928	4276	14204	2352	16556	49.26
17	5533	362	548	6443	300	142	3479	3483	-254	-224	10144	4160	14304	2361	16665	49.30
18	5581	274	570	6425	303	151	3599	3700	-281	-250	10329	3878	14207	2320	16527	49.45
19	5706	405	572	6683	304	121	3610	3422	-172	-136	10394	3791	14185	2293	16478	49.45
20	5638	707	559	6904	306	130	3369	3568	-285	-248	10660	3984	14644	2378	17022	49.55
21	5627	805	556	6988	308	112	3323	3355	-280	-209	10554	3604	14158	2223	16381	49.44
22	5535	594	556	6685	308	110	3320	3406	-280	-208	10301	3621	13922	2011	15933	49.34
23	5507	311	556	6374	308	150	3337	3221	-289	-220	9833	3160	12993	1924	14917	49.34
24	5477	157	557	6191	308	163	3167	3040	-166	-93	9609	2479	12088	1717	13805	49.23
MUs	129.79	8.49	13.45	151.72	8.17	3.44	77.76	78.51	-3.49	-2.26	239.58	85.09	324.68	45.93	370.60	49.35

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/Feb/2009

Position as on 6.30 Hrs of 21/Feb/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
Koradi Unit 3	105	18/01/2009	04.39	21/02/2009	05:02	Annual Overhaul	
Koyna ST-IV 1	250	20/01/2009	22:00		Continued.	Annual Overhaul	24/02/2009
Cent_Sect KARPR2	220	03/02/2009	00.24		Continued.	Bi-Annual overhaul work	10/03/2009
Koradi Unit 6	210	08/02/2009	02.11		Continued.	ANNUAL MAINT. WORK	15/03/2009
Koyna Unit 9	80	12/02/2009	00.00		Continued.	Annual Overhaul	24/02/2009
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 3B	230	19/11/2008	19.55		Continued.	W/dn	31/03/2009
Dabhol 3X	290	19/11/2008	19.58		Continued.	W/dn	31/03/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	10/03/2009
Parli Unit 5	210	15/02/2009	12.02	20/02/2009	08:57	Boiler Tube Leakage	
Bhusawal Unit 2	210	16/02/2009	19.37	20/02/2009	15:43	Boiler Tube Leakage	
Cent_Sect NTPC(V) 9	500	19/02/2009	08.25	20/02/2009	01.30	Turbine Problem	
Uran Unit 6	108	19/02/2009	14.58	20/02/2009	03.24	Gas Restriction	
Dabhol 1A	230	20/02/2009	00.19	20/02/2009	03.47	Gas line strainer removal	
Dabhol 1X	290	20/02/2009	00.20	20/02/2009	05.42	Gas line strainer removal	
Dabhol 1A	230	20/02/2009	10:52	20/02/2009	12:14	Purge valve mal function.	
Dabhol 1X	290	20/02/2009	10:55		Continued.	Hand Tripped	21/02/2009
Dabhol 1A	230	20/02/2009	12:22		Continued.	Water leakages in HR S G.	21/02/2009
Paras Unit 3	250	20/02/2009	23:35		Continued.	Pressure Part Leakages	23/02/2009
Tata Trombay 7B	60	21/02/2009	03:58		Continued.	Stator Earth Fault	22/02/2009
Koradi Unit 3	105	21/02/2009	05:26		Continued.	Eccentricity high.	22/02/2009

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

Position as on 6.30 Hrs of 21/Feb/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari -II	20/02/2009	09:00	20/02/2009	21:05	Insulator Replacement
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar II	17/02/2009	23:51	21/02/2009	05:37	H/T FOR O/V
DHULE-SAR'SAROVAR-I	21/02/2009	01:08		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Spare ICT @ Karad	02/02/2009	10.43		Continued.	O/H Work.
400/220KV ICT-II at Padgha	19/02/2009	22:40	20/02/2009	21:35	P.R.V repl.
400/220KV ICT-II at New Koyna	20/02/2009	08:28	20/02/2009	18:03	Tan Delta Measurment.
400/220kv 315MVA ICT-II at Kolhapur	20/02/2009	11:38	20/02/2009	17:28	SMS Work.
400/220KV ICT-II @ Kalwa	20/02/2009	14:45	20/02/2009	17:22	Testing of LV side New Breaker.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
ICT - III at Harangul	20/12/2008	14.53		Continued.	New ICT commissioning work
L.V.Breaker 400/220 KV ICT-II at Klw.	10/02/2009	13.28	20/02/2009	14:45	ICT-II on TBC.Br.Repl.
220/132,100 MVA ICT-2 @ Malegaon.	20/02/2009	09:33	20/02/2009	11:35	Attending C.T. oil leakage.
Kalyani-Bhigwan	20/02/2009	10:15	20/02/2009	17:20	Fixing of Bird Guards
220/132 kv, 50 MVA ICT.@ Chitegaon	20/02/2009	11:15	20/02/2009	18:30	Tan Delta Measurment.
Aurangabad-BBLSWR-II	20/02/2009	11:38	20/02/2009	16:38	E/W Restranging
Aurangabad - Bhenda	20/02/2009	11:56	20/02/2009	18:03	E/W Restranging
Tifil-Trombay	20/02/2009	12:03	20/02/2009	14:43	RED HOT.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Ambazari-Hingna-II	17/02/2009	12:45	20/02/2009	17:50	RETROFITTING
Paras-Malegaon	20/02/2009	08:54	20/02/2009	18:02	400 KV Stringing work of PGCIL.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV ICT @ Jejuri	20/02/2009	22:51	21/02/2009	04:30	Isolator Maintaince Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
PADGHA-JINDAL	20/02/2009	19:35	20/02/2009	21:59	RED HOT.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
HVDC POLE I -CHDPR	21/02/2009	01.02	21/02/2009	04.13	Reduced and H/T for High Voltage(Work Of Aux.Supply Cable Repl.at C'pur was carried out.).
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV ICT @ Jejuri	20/02/2009	14:53	20/02/2009	15:10	Heavy Sparking on Line Isol.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/100 KV ICT-3 at Borivali	15/02/2009	02:17		Continued.	H/T Attending Sparking LV Side.
Lonikhand-Ranjangaon	20/02/2009	22:11	21/02/2009	04:52	H/T For Lonikand ICTs O/L.
Chinchwad-Theur	20/02/2009	22:19	21/02/2009	04:56	H/T For Lonikand ICTs O/L.
Voltage Level : 400KV			Outage Type TRIPPED		

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

Position as on 6.30 Hrs of 21/Feb/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-Lonikhand	20/02/2009	15:20	20/02/2009	15:50	Tripped on dist.prot.R Ph.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Raymond	20/02/2009	03:00	20/02/2009	04:05	Trip CKT Faulty (taken on TBC)
K'gaon-Lonand	20/02/2009	14:53	20/02/2009	15:11	Tripped on dist.prot.R Ph.
null					
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Malkapur-Motala	18/02/2009	11:45	20/02/2009	16:04	Breaker Replacement

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Feb/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	20
Unit 4	105	70
Unit 5	200	180
Unit 6	210	0
Unit 7	210	190
	1040	600
Bhusawal		
Unit 1	58	25
Unit 2	210	180
Unit 3	210	190
	478	395
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	160
Unit 5	210	160
Unit 6	250	230
	940	760
Chandrapur		
Unit 1	210	165
Unit 2	210	175
Unit 3	210	210
Unit 4	210	195
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2095
Paras		
Unit 2	55	45
Unit 3	250	0
	305	45
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	200
Unit 4	210	200
	840	800
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	200
Unit 4	210	200
Unit 5	210	200
	870	790
Uran		
All Units	852	600
	852	600
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	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	40
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	15
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	265
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	300
RGPPPL III	740	
	1480	300
Tata		
Trombay 4	150	100
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	60
Trombay 7B	60	60
TATA Hydro	444	447
	1774	1667
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3193
	3143	3193