



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Feb/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Feb/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	130.838	3408.643	1) Madhya Pradesh	56.984	1726.434
2) Hydro	11.968	378.844	2) Gujrat	14.234	458.795
3) Gas	14.479	392.320	3) Goa	-6.447	-154.646
Total MSGENCO	157.285	4179.807	4) TAPS 1&2 (Inj.)	7.358	191.970
B) OTHERS			5) Pench (Excess)	-0.121	-0.709
1) RGPPL Gas	12.038	219.771	# Total Cent. Sector	72.008	2221.844
2) Wind Generation	4.075	77.326	F) Other Exchanges		
3) PENCH (MS)	0.121	0.732	1) With TPCL	-2.471	-125.329
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	29.773	578.631	1) MSEDCL Bilateral	8.828	275.392
2) TPCL Hydro	3.601	109.950	Include PX	0.000	56.192
TOTAL TPCL	33.374	688.581	2) MUMBAI Bilateral	3.787	152.656
3) REL Thermal	12.705	342.894	Include PX	0.353	27.514
D) STATE			3) MUMBAI Schedule	3.887	153.656
1) Thermal (A1+C1+C3)	173.316	4330.168	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	15.690	489.526	1) MSEDCL	243.056	6574.883
3) Gas (A3+B1)	26.517	612.091	2) TPCL	32.532	767.608
4) Wind (B2)	4.075	77.326	3) REL	16.015	389.845
TOTAL STATE	219.598	5509.111	TOTAL STATE	291.603	7732.336

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 1 Hrs
MSGENCO Thermal	5606	5486	5334
MSGENCO Hydro	330	1282	216
MSGENCO Gas	657	615	493
MSGENCO Total Generation	6593	7383	6043
Central Sector Receipt	3237	3315	2417
RGPPL	609	302	533
WIND	108	269	111
Exchange with TPCL	-299	-349	102
MSEDCL DEMAND MET	10248	10944	9206
Load Shedding	4717	3847	1706
MSEDCL DEMAND (INCL. LS)	14965	14791	10912
TPCL GENERATION	1377	1551	1229
REL GENERATION	529	529	529
TPCL+REL DEMAND	2205	2429	1656
STATE DEMAND MET	12453	13373	10862
STATE DEMAND (INCL. LS)	17170	17220	12568
Frequency (Hz)	49.23	49.36	49.09
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4457 MW AT 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			79.180 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.3 Hz at 18.04 Hrs	48.77 Hz at 00.02 Hrs	49.29	7.45 % 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 27/Feb/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.76	43.16	79	65	75
Unit 2	1.89	47.05	89	66	75
Unit 3	1.79	11.21	79	70	80
Unit 4	0.00	33.87	0	0	0
Unit 5	4.32	109.68	190	146	180
Unit 6	0.00	25.94	0	0	0
Unit 7	4.66	114.50	210	178	200
	14.42	385.40			610
Bhusawal					
Unit 1	1.29	18.94	60	44	50
Unit 2	4.43	75.88	191	168	185
Unit 3	2.92	108.26	199	0	50
	8.64	203.08			285
Parli					
Unit 1	0.49	13.95	25	18	20
Unit 2	0.56	15.54	27	21	20
Unit 3	3.53	103.42	169	123	150
Unit 4	0.00	101.44	0	0	0
Unit 5	3.93	89.27	180	153	160
Unit 6	4.37	140.68	240	115	165
	12.88	464.31			515
Chandrapur					
Unit 1	4.07	98.89	175	152	170
Unit 2	4.09	111.36	174	166	165
Unit 3	5.06	118.75	213	207	210
Unit 4	4.62	123.88	197	172	195
Unit 5	11.17	264.79	484	429	460
Unit 6	10.63	265.65	465	400	470
Unit 7	10.51	246.31	461	326	450
	50.16	1229.64			2120
Paras					
Unit 2	1.06	25.69	48	34	45
Unit 3	5.31	123.56	233	208	225
	6.36	149.25			270
Khaparkheda					
Unit 1	4.78	128.42	206	173	200
Unit 2	4.58	124.37	201	173	200
Unit 3	5.02	127.17	214	202	200
Unit 4	4.86	127.35	211	184	200
	19.23	507.32			800
Nasik					
Unit 1	2.25	54.82	102	80	95
Unit 2	2.11	51.25	101	35	95
Unit 3	5.01	118.82	212	202	200
Unit 4	4.94	130.68	210	198	200
Unit 5	4.83	114.09	210	192	200
	19.14	469.65			790
Uran					
All Units	14.48	392.32	675	493	610
	14.48	392.32			610
Koyna					
Stage 1-2	2.09	65.06	260	40	600
Stage 4	2.78	148.37	503	0	250
Kovna 12&4 Total	4.87	213.43			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.05	45.34	160	0	320
	5.92	258.78			1170
Hydro					
KDPH	0.61	10.94	39	0	0
VTRNA	1.44	34.43	60	60	60
TILLARI	0.39	10.57	60	0	60
BHTGR/VEER	1.32	32.33	55	55	52
BHIRA T.R.	0.16	6.32	81	0	80
RNGR+BHTSA	0.36	9.27	15	15	10
BHANDARDRA	1.10	5.24	46	46	30
ELDARY	0.16	1.19	15	0	10
PAITHAN	0.00	1.27	0	0	0
GHATGHAR	0.49	8.51	125	0	0
	6.04	120.07			302
PENCH (MS)					
Pench (MS)	0.12	0.73	24	0	
	0.12	0.73			
Wind					
MalharPeth	0.12	3.45			
Vankuswadi	0.27	7.93			
ATIT	0.03	1.01			
Kale	0.07	2.76			
Satara	0.12	3.26			
Shirala	0.13	2.64			
K Mahankal	0.01	0.52			
Supa	0.16	2.08			
Vita	0.58	16.20			
Dondaicha	1.72	22.60			
Sakri	0.41	4.90			
Nandurbar	0.15	3.13			
Khadakale	0.29	5.58			
Khaparale	0.01	1.27			
	4.08	77.33			
Dabhol					
RGPP L II	12.04	219.77	624	302	300
RGPP L III	0.00	0.00	0	0	
	12.04	219.77			300
Tata					
Trombay 4	2.89	71.60	134	101	50
Trombay 5	12.12	325.69	505	505	500
Trombay 6	12.12	93.58	510	420	500
Trombay 7A	2.64	63.64	112	108	75
Trombay 7B		24.13	0	0	75
TATA Hydro	3.60	109.95	308	2	297
	33.37	688.58			1497
REL					
1&2	12.70	342.89	531	528	500
	12.70	342.89			500
Cent Sect					
Share					3227
					3227

MS PG CL	Thermal	130.84	3408.64		5390
	Thml+Gas	145.32	3800.96		6000
	Hydro	11.97	378.84		1472
	Total	157.28	4179.81		7472
State Total		219.60	5509.11		12996

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	5334	216	493	6043	533	111	2804	2417	41	102	9206	1706	10912	1656	12568	49.09
2	5291	216	546	6053	577	135	2685	2343	188	255	9363	1728	11091	1493	12584	49.15
3	5274	216	551	6041	529	189	2593	2572	260	327	9658	1770	11428	1344	12772	49.26
4	5308	221	602	6131	529	226	2594	2554	285	353	9793	1800	11593	1387	12980	49.20
5	5302	216	664	6182	530	196	2633	2517	271	351	9776	2575	12351	1409	13760	49.14
6	5317	363	672	6352	537	197	2811	2828	78	148	10062	2872	12934	1611	14545	49.25
7	5443	270	672	6385	560	234	2831	2561	56	126	9866	4170	14036	1652	15688	49.24
8	5499	230	673	6402	624	169	3140	2547	107	169	9911	4513	14424	1694	16118	49.21
9	5396	281	675	6352	619	118	3246	2682	-61	-12	9759	4681	14440	1902	16342	49.19
10	5606	330	657	6593	609	108	3381	3237	-356	-299	10248	4717	14965	2205	17170	49.23
11	5616	418	642	6676	609	111	3379	3203	-356	-316	10283	4432	14715	2394	17109	49.23
12	5545	489	622	6656	600	76	3427	3345	-409	-346	10331	4527	14858	2429	17287	49.21
13	5503	654	604	6761	599	62	3416	3438	-414	-360	10500	4389	14889	2453	17342	49.22
14	5426	746	600	6772	602	75	3376	3263	-376	-321	10391	4367	14758	2337	17095	49.47
15	5445	427	594	6466	594	77	3392	3293	-394	-340	10090	4019	14109	2393	16502	49.29
16	5456	313	598	6367	596	120	3393	3345	-395	-336	10092	4237	14329	2422	16751	49.38
17	5453	354	598	6405	595	164	3392	3404	-394	-338	10230	4053	14283	2417	16700	49.30
18	5508	763	607	6878	370	203	3388	3379	-373	-319	10511	3669	14180	2383	16563	49.42
19	5495	995	614	7104	303	234	3205	3329	-358	-300	10682	3578	14260	2354	16614	49.61
20	5486	1282	615	7383	302	269	3218	3291	-402	-349	10920	3847	14767	2429	17196	49.36
21	5539	1202	616	7357	304	269	3156	3257	-286	-231	10980	3478	14458	2274	16732	49.52
22	5576	752	544	6872	305	303	3105	3101	-239	-180	10425	3499	13924	2113	16037	49.35
23	5524	623	504	6651	306	267	3126	3119	-243	-185	10182	3041	13223	1971	15194	49.40
24	5496	391	516	6403	306	233	3007	2984	-119	-70	9868	2457	12325	1828	14153	49.30
MUs	130.84	11.97	14.48	157.28	12.04	4.15	74.70	72.01	-3.89	-2.47	243.13	84.12	327.25	48.55	375.80	49.29

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 27/Feb/2009

Position as on 6.30 Hrs of 28/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
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
Cent_Sect TARAPUR-3	540	22/02/2009	20.38	27/02/2009	01.21	Outage	
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
Tata Trombay 7B	60	21/02/2009	03:58		Continued.	Stator Winding Prob.	28/02/2009
Koradi Unit 4	115	22/02/2009	06.38		Continued.	Hydrogen Leakage	28/02/2009
Bhusawal Unit 3	210	25/02/2009	21.38	27/02/2009	05.48	Condensor Tube Leakage	
Parli Unit 4	210	26/02/2009	15.01		Continued.	Furnace Pressure High	28/02/2009
Cent_Sect NTPC(V-3)	210	27/02/2009	08.30	28/02/2009	06.20	Economizer Tube leakage	
Dabhol 2X	290	27/02/2009	17.20		Continued.	Inlet Air diff. pressure high.	
Dabhol 2B	230	27/02/2009	17.23		Continued.	Inlet Air diff. pressure high.	
Nasik Unit 2	125	27/02/2009	18.25	27/02/2009	19.40	Lubricating oil prob.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Feb/2009

Position as on 6.30 Hrs of 28/Feb/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
DHULE-SAR'SAROVAR-I	25/02/2009	14.02	27/02/2009	20.00	Relay Testing Work.
Dhule-Sar'Sarovar II	27/02/2009	20.04	28/02/2009	08.03	For Attending trip coil
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudshingi-Ponda	27/02/2009	08.40	27/02/2009	17.15	Insulator Replacement
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Pench - Kanhan	26/02/2009	17.25		Continued.	Relay Retrofitting Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
DHULE-SAR'SAROVAR-I	28/02/2009	02.07		Continued.	O/V
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Mapusa-II	26/02/2009	22.15	27/02/2009	08.37	Tripped on over voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Bblswr-II	25/02/2009	09.38	27/02/2009	17.07	Own Breker Overhauling @ Bblr,Line on TBC.
400/220 KV 300 MVA ICT-I @ Koradi	27/02/2009	09.27		Continued.	B Phase Unit Replacement.
ICT-I NAGOTHANE	27/02/2009	09.33	27/02/2009	20.24	R.M. Work
Kalwa-Padgha CKT I	27/02/2009	09.47	27/02/2009	18.39	R.M. Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
ICT - III at Harangul	20/12/2008	14.53		Continued.	New ICT commissioning work
Padgha-Wada	27/02/2009	10.37	27/02/2009	19.37	Bay Maintenance work.
Mudshingi - Peth	27/02/2009	10.45	27/02/2009	13.40	DCRM TEST OF BREAKER
Kharghar-Nerul	27/02/2009	11.16	27/02/2009	19.20	Commissioning of carrier
Pedambe-Newkoyna	27/02/2009	14.55	27/02/2009	19.05	R.M. Work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Malkapur-Bodwad	25/02/2009	09.30		Continued.	Breaker Replacement
Voltage Level : 220KV			Outage Type TRIPPED		
K'gaon-Lonand	26/02/2009	14.19	27/02/2009	11.40	Tripped on Dist.Prot.
Bale - Lamboti I	27/02/2009	21.06		Continued.	Y& B ph CT Burst at Bale
Bale-Lamboti II	27/02/2009	21.06	27/02/2009	21.42	Tripped from Bale end only.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Feb/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	70
Unit 4	105	0
Unit 5	200	180
Unit 6	210	0
Unit 7	210	180
	1040	570
Bhusawal		
Unit 1	58	50
Unit 2	210	185
Unit 3	210	190
	478	425
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	165
Unit 4	210	0
Unit 5	210	175
Unit 6	250	125
	940	505
Chandrapur		
Unit 1	210	175
Unit 2	210	165
Unit 3	210	210
Unit 4	210	185
Unit 5	500	460
Unit 6	500	460
Unit 7	500	470
	2340	2125
Paras		
Unit 2	55	45
Unit 3	250	230
	305	275
Khaparkheda		
Unit 1	210	200
Unit 2	210	205
Unit 3	210	200
Unit 4	210	200
	840	805
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	620
	852	620
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	38
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	56
BHIRA T.R.	80	80
RNGR+BHTSA	20	18
BHANDARDRA	45	30
ELDARY	23	12
PAITHAN	12	0
GHATGHAR	250	0
	611	354
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	0
RGPPPL III	740	
	1480	0
Tata		
Trombay 4	150	50
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	75
Trombay 7B	60	75
TATA Hydro	444	297
	1774	1497
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3216
	3143	3216

	17146	12852
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