



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Mar/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Mar/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.309	2034.600	1) Madhya Pradesh	67.103	1108.113
2) Hydro	15.577	272.567	2) Gujrat	21.451	301.541
3) Gas	13.185	218.914	3) Goa	-6.158	-101.301
Total MSGENCO	143.071	2526.081	4) TAPS 1&2 (Inj.)	7.305	112.650
B) OTHERS			5) Pench (Excess)	-0.135	-1.593
1) RGPPL Gas	13.501	193.458	# Total Cent. Sector	89.566	1419.410
2) Wind Generation	2.105	61.367	F) Other Exchanges		
3) PENCH (MS)	0.135	1.593	1) With TPCL	-4.225	-35.448
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	28.788	492.623	1) MSEDCL Bilateral	7.258	137.655
2) TPCL Hydro	4.556	50.991	Include PX	0.989	30.967
TOTAL TPCL	33.344	543.614	2) MUMBAI Bilateral	4.914	56.889
3) REL Thermal	12.674	215.601	Include PX	0.832	12.005
D) STATE			3) MUMBAI Schedule	4.914	60.039
1) Thermal (A1+C1+C3)	155.771	2742.824	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	20.268	325.151	1) MSEDCL	244.153	4168.054
3) Gas (A3+B1)	26.686	412.372	2) TPCL	33.505	537.669
4) Wind (B2)	2.105	61.367	3) REL	16.737	266.090
TOTAL STATE	204.830	3541.714	TOTAL STATE	294.395	4971.813

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	4699	4995	4725
MSGENCO Hydro	195	1202	102
MSGENCO Gas	592	557	535
MSGENCO Total Generation	5486	6754	5362
Central Sector Receipt	4076	3934	3204
RGPPL	324	613	636
WIND	90	122	55
Exchange with TPCL	-348	-374	181
MSEDCL DEMAND MET	9628	11073	9438
Load Shedding	4315	3902	1793
MSEDCL DEMAND (INCL. LS)	13943	14975	11231
TPCL GENERATION	1408	1504	1203
REL GENERATION	530	527	529
TPCL+REL DEMAND	2286	2405	1551
STATE DEMAND MET	11914	13478	10989
STATE DEMAND (INCL. LS)	16229	17380	12782
Frequency (Hz)	49.38	49.50	49.61
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4869 MW at 12.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			92.74 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.16 Hz at 08.04 Hrs	48.89 Hz at 22.51 Hrs	49.42	1.22 % 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 17/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	1.76	27.66	76	70	70
Unit 3	1.36	20.68	69	0	70
Unit 4	1.71	19.58	79	64	70
Unit 5	2.64	61.47	152	63	100
Unit 6	2.80	38.07	152	50	100
Unit 7	2.78	59.24	140	87	100
	13.05	234.78			510
Bhusawal					
Unit 1	0.65	13.76	32	20	25
Unit 2	4.39	75.45	191	168	185
Unit 3	4.64	79.10	202	186	200
	9.68	168.31			410
Parli					
Unit 1	0.57	8.97	24	22	20
Unit 2	0.61	9.92	26	23	20
Unit 3	0.00	44.34	0	0	0
Unit 4	3.09	32.06	155	104	100
Unit 5	3.12	47.97	162	109	105
Unit 6	5.75	95.08	259	191	250
	13.14	238.34			495
Chandrapur					
Unit 1	3.94	69.72	178	152	170
Unit 2	3.77	68.58	164	153	160
Unit 3	5.00	84.20	212	202	210
Unit 4	4.62	63.99	205	160	210
Unit 5	9.46	133.94	450	350	380
Unit 6	9.48	145.13	440	360	380
Unit 7	9.42	168.32	438	355	380
	45.69	733.88			1890
Paras					
Unit 2	1.04	18.28	47	41	45
Unit 3	0.00	43.03	0	0	0
	1.04	61.31			45
Khaparkheda					
Unit 1	0.72	64.47	195	0	0
Unit 2	4.74	79.18	202	192	200
Unit 3	5.08	84.15	212	211	210
Unit 4	5.08	74.57	215	208	205
	15.61	302.37			615
Nasik					
Unit 1	2.16	27.74	98	51	95
Unit 2	1.63	36.40	77	24	95
Unit 3	4.02	77.58	175	158	160
Unit 4	4.29	77.78	198	164	160
Unit 5	4.00	76.10	172	163	160
	16.09	295.61			670
Uran					
All Units	13.18	218.91	626	497	500
	13.18	218.91			500
Koyna					
Stage 1-2	4.12	45.78	515	35	600
Stage 4	7.17	132.76	816	0	250
Koyna 12&4 Total	11.29	178.54			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.08	37.23	236	0	320
	13.37	215.77			1170
Hydro					
KDPH	0.00	8.94	0	0	36
VTRNA	0.00	7.59	0	0	0
TILLARI	0.49	7.15	60	0	60
BHTGR/VEER	0.96	14.28	40	40	40
BHIRA T.R.	0.21	2.06	81	0	0
RNGR+BHTSA	0.29	5.53	13	12	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	0.26	3.68	125	0	0
	2.21	56.80			151
PENCH (MS)					
Pench (MS)	0.14	1.59	24	0	
	0.14	1.59			
Wind					
MalharPeth	0.15	2.42			
Vankuswadi	0.36	6.04			
ATIT	0.03	0.98			
Kale	0.12	1.83			
Satara	0.14	2.42			
Shirala	0.08	2.39			
K Mahankal	0.01	0.59			
Supa	0.08	2.13			
Vita	0.47	14.73			
Dondaicha	0.32	16.38			
Sakri	0.08	2.84			
Nandurbar	0.04	2.16			
Khadakale	0.22	5.57			
Khaparale	0.01	0.90			
	2.10	61.37			
Dabhol					
RGPP L II	13.50	193.46	648	319	300
RGPP L III	0.00	0.00	0	0	
	13.50	193.46			300
Tata					
Trombay 4	2.32	42.38	99	95	140
Trombay 5	12.12	206.02	505	505	500
Trombay 6	12.24	206.65	510	510	500
Trombay 7A	2.10	37.57	90	80	60
Trombay 7B	0.00	0.00	0	0	0
TATA Hydro	4.56	50.99	316	2	297
	33.34	543.61			1497
REL					
1&2	12.67	215.60	530	526	500
	12.67	215.60			500
Cent Sect					
Share					3358
					3358

MS PG CL	Thermal	114.31	2034.60		4635
	Thml+Gas	127.49	2253.51		5135
	Hydro	15.58	272.57		1321
	Total	143.07	2526.08		6456
State Total		204.83	3541.71		12111

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	4788	102	530	5420	629	47	3092	3295	-48	-15	9376	1767	11143	1745	12888	49.35
2	4725	102	535	5362	636	55	2901	3204	145	181	9438	1793	11231	1551	12782	49.61
3	4711	102	525	5338	636	56	2915	3392	145	203	9625	1798	11423	1530	12953	49.58
4	4705	97	525	5327	638	78	2844	3540	216	263	9846	1737	11583	1468	13051	49.64
5	4573	182	509	5264	637	86	2834	3511	216	270	9768	2244	12012	1460	13472	49.51
6	4562	332	560	5454	634	89	2911	3612	200	238	10027	2473	12500	1506	14006	49.35
7	4651	217	618	5486	643	122	2988	3476	264	304	10031	3515	13546	1627	15173	49.60
8	4765	107	626	5498	644	137	3154	3325	130	162	9766	3896	13662	1737	15399	49.75
9	4747	145	604	5496	466	106	3291	3334	-2	26	9428	4318	13746	1909	15655	49.67
10	4699	195	592	5486	324	90	3660	4076	-371	-348	9628	4315	13943	2286	16229	49.38
11	4648	641	610	5899	321	78	3748	4200	-466	-444	10054	3499	13553	2466	16019	49.33
12	4582	1309	590	6481	319	61	3775	4174	-537	-519	10516	3408	13924	2560	16484	49.28
13	4581	1442	502	6525	390	29	3827	4267	-537	-520	10691	3383	14074	2565	16639	49.25
14	4756	1195	497	6448	519	28	3811	4096	-485	-466	10625	3374	13999	2474	16473	49.24
15	4755	1229	503	6487	529	30	3836	3875	-537	-517	10404	3436	13840	2532	16372	49.19
16	4820	952	506	6278	569	30	3820	3797	-537	-517	10157	3735	13892	2561	16453	49.29
17	4906	752	504	6162	578	78	4026	3993	-513	-494	10317	3650	13967	2530	16497	49.22
18	4864	775	509	6148	629	80	3999	4093	-424	-399	10551	3458	14009	2442	16451	49.44
19	4981	572	519	6072	636	109	3959	3939	-326	-302	10477	3729	14206	2335	16541	49.59
20	4995	1202	557	6754	613	122	3711	3934	-393	-374	11073	3902	14975	2405	17380	49.50
21	4991	1449	578	7018	581	150	3642	3674	-324	-301	11146	3364	14510	2332	16842	49.40
22	4926	1215	564	6705	648	132	3612	3623	-276	-255	10877	3373	14250	2183	16433	49.48
23	4820	765	560	6145	641	149	3546	3704	-281	-251	10412	3098	13510	2088	15598	49.21
24	4746	498	562	5806	641	163	3379	3461	-173	-150	9937	2500	12437	1951	14388	49.19
MUs	114.30	15.58	13.18	143.06	13.50	2.10	83.28	89.60	-4.91	-4.22	244.17	75.76	319.94	50.24	370.18	49.42

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 17/Mar/2009

Position as on 6.30 Hrs of 18/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		Continued.	Bi-Annual overhaul work	30/03/2009
Paras Unit 3	250	10/03/2009	02.03		Continued.	PG Test	20/03/2009
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
Tata Trombay 7B	60	21/02/2009	03:58		Continued.	Stator Winding Prob.	19/03/2009
Koradi Unit 1	105	06/03/2009	10:52		Continued.	Boiler Tube Leakage	24/03/2009
Parli Unit 3	210	14/03/2009	10:34		Continued.	Pressure Part Leakages	18/03/2009
Dabhol 1X	290	16/03/2009	17.01		Continued.	No insurance.	
Dabhol 1A	230	16/03/2009	17.05		Continued.	No insurance.	
Nasik Unit 2	125	17/03/2009	01.20	17/03/2009	02.30	Drum Level high	
Khaparkheda Unit 1	210	17/03/2009	03.50		Continued.	Boiler Tube Leakage	20/03/2009
Dabhol 3X	290	17/03/2009	08.14	17/03/2009	12.25	For Rotor Inspection.	
Dabhol 3B	230	17/03/2009	08.18	17/03/2009	11.10	For Rotor Inspection.	
Cent_Sect NTPC (K-2)	210	17/03/2009	15.06	17/03/2009	17.15	Boiler Feed Pump Problem	
Koradi Unit 3	105	17/03/2009	22.27		Continued.	Boiler Tube Leakage	20/03/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Mar/2009

Position as on 6.30 Hrs of 18/Mar/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Tarapur CKT I	17/03/2009	13.42	17/03/2009	17.40	Repl. Of Relay Cable.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	15/03/2009	22.24	17/03/2009	09.10	H/T FOR O/V
Dhule-Sar'Sarovar II	16/03/2009	00.20	17/03/2009	08.58	H/T FOR O/V
DHULE-SAR'SAROVAR-I	17/03/2009	01.12		Continued.	H/T FOR O/V
Dhule-Sar'Sarovar II	18/03/2009	01.13		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 300 MVA ICT-I @ Koradi	27/02/2009	09.27		Continued.	B Phase Unit Replacement.
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
Karad-Newkoyna 1	17/03/2009	09.00	17/03/2009	16.08	Outage Line Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kandalgaon-Bhira	14/03/2009	12:30	17/03/2009	13.10	Breaker Replacement
C'pur-Sicom-II	14/03/2009	19:09		Continued.	CT replacement.
Badnera--Rly.TSS Ckt.I	16/03/2009	09.30	17/03/2009	16.01	Breaker Overhauling work.
Padgha-Jambhul II	16/03/2009	10.42		Continued.	Main Brk.repl.Maint.work at Padgha line taken on TBC.
220 KV Main Bus at Peth S/S.	17/03/2009	06.47	17/03/2009	11.12	Breaker and Isolator Errection Work.
Khaparkheda-Ambazari ckt - I	17/03/2009	08.38	17/03/2009	13.55	Replacement Of Disc Insulator.
Kalwa-Mulund II	17/03/2009	09.58	17/03/2009	15.40	Relay Testing Work.
Parli-I - Harangul Ckt-II	17/03/2009	11.00	17/03/2009	20.32	LILO arrangement For M/S ICL Parli.
220 KV Main Bus at Peth S/S.	17/03/2009	14.05	17/03/2009	18.35	Breaker and Isolator Errection Work.
SPCL - IPCL	17/03/2009	14.20	17/03/2009	21.15	To attend C.T.oil Leakage
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Padgha 400/220 kv ,315 MVA ICT-III	17/03/2009	00.56	17/03/2009	03.25	For attending oil leakage LV Side 'B' Ph.Bushing.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Ambazari-Wardha	17/03/2009	11.47		Continued.	To control Koradi ICT loading
Dondaicha - Shahada	17/03/2009	14.25	17/03/2009	19.20	Main Brk Trip Trials.
220/132 KV 200 MVA ICT-I at Harangul S/S.	17/03/2009	14.35	17/03/2009	17.20	Q.M. WORK
Pusad-Parbhani	17/03/2009	18.32		Continued.	To control Koradi ICT loading
Wardha-K'Kheda	17/03/2009	18.36		Continued.	To control Koradi ICT loading
Yavatmal-Pusad	17/03/2009	18.54	17/03/2009	21.18	To control Koradi ICT loading
Voltage Level : 220KV			Outage Type TRIPPED		
220/132KV 200 MVA ICT at Kawalewada.	17/03/2009	07.05	17/03/2009	07.35	Tripped On B/up O/C.and E/F.
K'gaon-Pirangut	17/03/2009	12.47	17/03/2009	13.05	Tripped On B/up O/C.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Mar/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	75
Unit 3	105	0
Unit 4	105	75
Unit 5	200	130
Unit 6	210	135
Unit 7	210	135
	1040	550
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	0
Unit 4	210	140
Unit 5	210	140
Unit 6	250	235
	940	555
Chandrapur		
Unit 1	210	170
Unit 2	210	160
Unit 3	210	190
Unit 4	210	210
Unit 5	500	440
Unit 6	500	450
Unit 7	500	450
	2340	2070
Paras		
Unit 2	55	45
Unit 3	250	0
	305	45
Khaparkheda		
Unit 1	210	0
Unit 2	210	200
Unit 3	210	210
Unit 4	210	205
	840	615
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	160
Unit 4	210	180
Unit 5	210	160
	870	690
Uran		
All Units	852	500
	852	500
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	35
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	195
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	140
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	60
Trombay 7B	60	0
TATA Hydro	444	297
	1774	1497
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3619
	3143	3619

	17146	13021
--	--------------	--------------