



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Mar/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Mar/2009 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.476	3564.947	1) Madhya Pradesh	72.145	2041.606
2) Hydro	14.219	381.087	2) Gujrat	18.884	566.116
3) Gas	11.100	389.464	3) Goa	-6.010	-180.862
Total MSGENCO	143.795	4335.498	4) TAPS 1&2 (Inj.)	7.299	207.729
B) OTHERS			5) Pench (Excess)	-0.071	-2.030
1) RGPPL Gas	15.084	389.285	# Total Cent. Sector	92.247	2632.559
2) Wind Generation	3.923	127.686	F) Other Exchanges		
3) PENCH (MS)	0.071	2.079	1) With TPCL	-1.703	-61.813
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	33.418	860.022	1) MSEDCL Bilateral	13.694	276.271
2) TPCL Hydro	4.226	97.958	Include PX	3.163	51.376
TOTAL TPCL	37.644	957.980	2) MUMBAI Bilateral	3.466	110.295
3) REL Thermal	12.703	380.391	Include PX	0.635	16.703
D) STATE			3) MUMBAI Schedule	3.466	113.445
1) Thermal (A1+C1+C3)	164.597	4805.360	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	18.516	481.124	1) MSEDCL	253.417	7427.373
3) Gas (A3+B1)	26.184	778.749	2) TPCL	35.188	926.602
4) Wind (B2)	3.923	127.686	3) REL	16.861	473.821
TOTAL STATE	213.220	6192.919	TOTAL STATE	305.466	8827.796

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	4784	5163	4806
MSGENCO Hydro	201	1635	132
MSGENCO Gas	495	373	492
MSGENCO Total Generation	5480	7171	5430
Central Sector Receipt	4024	3573	3724
RGPPL	626	629	633
WIND	251	151	218
Exchange with TPCL	-92	-279	412
MSEDCL DEMAND MET	10289	11250	10417
Load Shedding	3740	3590	976
MSEDCL DEMAND (INCL. LS)	14029	14840	11393
TPCL GENERATION	1673	1761	1400
REL GENERATION	530	526	532
TPCL+REL DEMAND	2295	2566	1520
STATE DEMAND MET	12584	13816	11937
STATE DEMAND (INCL. LS)	16324	17406	12913
Frequency (Hz)	49.77	49.82	49.93
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4626MW At 13.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			85.70 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.48 Hz at 12.01 Hrs	49.14 Hz at 11.13 Hrs	49.89	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 30/Mar/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.02	10.57	75	0	20
Unit 2	0.72	45.25	62	0	60
Unit 3	1.42	36.90	74	29	70
Unit 4	1.33	39.65	76	18	70
Unit 5	3.91	107.18	180	144	160
Unit 6	3.96	73.87	178	72	160
Unit 7	2.63	92.57	183	0	150
	14.99	405.99			690
Bhusawal					
Unit 1	0.62	21.85	28	22	25
Unit 2	4.43	131.96	193	176	190
Unit 3	4.61	137.68	196	181	190
	9.66	291.50			405
Parli					
Unit 1	0.51	16.09	22	20	20
Unit 2	0.60	17.61	27	23	20
Unit 3	3.44	85.71	150	135	145
Unit 4	3.63	75.97	154	147	145
Unit 5	3.59	95.05	162	143	150
Unit 6	0.24	147.40	81	0	0
	12.01	437.83			480
Chandrapur					
Unit 1	4.13	110.92	181	170	170
Unit 2	1.65	108.80	170	0	0
Unit 3	4.98	147.82	210	184	210
Unit 4	4.68	117.70	204	114	205
Unit 5	10.41	266.76	474	368	450
Unit 6	10.24	273.89	465	404	450
Unit 7	8.92	294.88	442	296	300
	45.01	1320.76			1785
Paras					
Unit 2	1.13	32.76	49	44	45
Unit 3	0.00	43.03	0	0	0
	1.13	75.79			45
Khaparkheda					
Unit 1	4.66	114.50	206	174	180
Unit 2	4.47	138.07	194	172	180
Unit 3	4.40	142.09	208	164	180
Unit 4	4.43	135.02	192	171	185
	17.96	529.68			725
Nasik					
Unit 1	2.24	48.29	102	87	95
Unit 2	1.37	57.20	95	3	90
Unit 3	4.70	129.69	202	184	190
Unit 4	4.73	136.60	201	189	190
Unit 5	4.67	131.62	205	180	200
	17.71	503.39			765
Uran					
All Units	11.10	389.46	609	284	600
	11.10	389.46			600
Koyna					
Stage 1-2	2.50	68.80	350	35	600
Stage 4	6.81	171.34	1001	0	250
Kovna 12&4 Total	9.31	240.15			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.98	50.45	280	0	320
	11.30	290.60			1170
Hydro					
KDPH	0.92	14.12	39	38	36
VTRNA	0.00	7.59	0	0	0
TILLARI	0.54	13.38	61	0	60
BHTGR/VEER	1.00	26.76	42	41	40
BHIRA T.R.	0.18	4.32	85	0	80
RNGR+BHTSA	0.29	9.89	12	12	20
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	6.86	0	0	0
	2.92	90.49			236
PENCH (MS)					
Pench (MS)	0.07	2.08	24	0	
	0.07	2.08			
Wind					
MalharPeth	0.17	4.48			
Vankuswadi	0.42	11.46			
ATIT	0.05	1.74			
Kale	0.16	3.90			
Satara	0.19	4.81			
Shirala	0.20	5.04			
K Mahankal	0.02	1.13			
Supa	0.17	4.42			
Vita	0.94	26.48			
Dondaicha	0.87	38.84			
Sakri	0.18	7.07			
Nandurbar	0.05	5.78			
Khadakale	0.50	10.86			
Khaparale	0.01	1.69			
	3.92	127.69			
Dabhol					
RGPP L II	15.08	389.28	635	617	600
RGPP L III	0.00	0.00	0	0	
	15.08	389.28			600
Tata					
Trombay 4	0.00	59.48	0	0	0
Trombay 5	12.00	363.11	500	500	500
Trombay 6	12.09	354.57	510	420	500
Trombay 7A	2.00	64.92	90	71	120
Trombay 7B	1.38	11.99	59	53	66
Trombay 8	5.95	5.95	252	234	250
TATA Hydro	4.23	97.96	353	2	294
	37.64	957.98			1730
REL					
1&2	12.70	380.39	533	525	500
	12.70	380.39			500
Cent Sect					
Share					3816
					3816

MS PG CL	Thermal	118.48	3564.95		4895
	Thml+Gas	129.58	3954.41		5495
	Hydro	14.22	381.09		1406
	Total	143.80	4335.50		6901
State Total		213.22	6192.92		13547

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	4816	136	479	5431	633	203	3165	3706	51	125	10098	1673	11771	1787	13558	49.97
2	4819	131	492	5442	634	242	3014	3543	222	304	10165	1567	11732	1628	13360	50.12
3	4835	131	492	5458	635	216	2916	3597	314	398	10304	1321	11625	1535	13160	50.09
4	4806	132	492	5430	633	218	2904	3724	328	412	10417	976	11393	1520	12913	49.93
5	4804	142	518	5464	633	255	3116	3659	116	212	10223	1740	11963	1630	13593	49.96
6	4845	177	609	5631	632	281	3017	3763	222	245	10552	2299	12851	1647	14498	49.83
7	4906	165	510	5581	635	266	3170	3284	222	280	10046	3670	13716	1653	15369	50.04
8	4895	132	512	5539	634	213	3441	3309	214	286	9981	3733	13714	1709	15423	50.08
9	4759	185	502	5446	629	168	3526	3612	111	180	10035	3727	13762	1947	15709	49.81
10	4784	201	495	5480	626	251	3763	4024	-159	-92	10289	3740	14029	2295	16324	49.77
11	4715	453	482	5650	625	226	3976	4065	-412	-346	10220	3452	13672	2593	16265	49.62
12	4662	643	466	5771	622	144	4013	4303	-459	-392	10448	3558	14006	2614	16620	49.43
13	4728	788	463	5979	617	86	4103	4606	-459	-392	10896	3456	14352	2642	16994	49.83
14	4778	737	462	5977	623	63	4153	4610	-459	-390	10883	3441	14324	2536	16860	49.80
15	4889	632	466	5987	622	65	4152	4399	-459	-383	10690	3385	14075	2606	16681	49.98
16	5008	420	554	5982	621	81	4150	4138	-459	-376	10446	3598	14044	2543	16587	49.77
17	5020	895	566	6481	624	110	4150	3987	-459	-397	10805	3426	14231	2629	16860	49.89
18	5055	1371	522	6948	628	112	4099	3505	-375	-294	10899	2936	13835	2586	16421	49.96
19	5019	1186	467	6672	628	107	4071	3640	-324	-243	10804	3295	14099	2454	16553	49.89
20	5163	1635	373	7171	629	151	3825	3573	-325	-279	11250	3590	14840	2566	17406	49.82
21	5251	1686	284	7221	630	144	3828	3707	-325	-233	11493	3191	14684	2445	17129	49.91
22	5272	1201	324	6797	629	166	3737	3714	-228	-133	11197	3206	14403	2242	16645	49.82
23	5288	613	338	6239	630	163	3612	4008	-232	-142	10916	3033	13949	2177	16126	50.03
24	5267	427	338	6032	632	142	3467	3959	-131	-53	10712	2488	13200	2066	15266	50.03
MUs	118.38	14.22	11.21	143.81	15.08	4.07	87.37	92.44	-3.47	-1.70	253.77	70.50	324.27	52.05	376.32	49.89

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 30/Mar/2009

Position as on 6.30 Hrs of 31/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	03/04/2009
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	
Dabhol 1X	290	16/03/2009	17.01		Continued.	No insurance.	
Dabhol 1A	230	16/03/2009	17.05		Continued.	No insurance.	
Tata Trombay 4	150	26/03/2009	16.21		Continued.	W/dn	31/03/2009
Parli Unit 6	250	27/03/2009	01.57	30/03/2009	19.51	Boiler Tube Leakage	
Chandrapur Unit 2	210	28/03/2009	03:11	30/03/2009	08.57	Vacuum failed.	
Koradi Unit 1	105	28/03/2009	18.26	30/03/2009	05:05	B.F.Pump control valve problem	
Uran Unit 5	108	30/03/2009	05.41	30/03/2009	14.58	Gas Restriction	
Nasik Unit 2	125	30/03/2009	06.20	30/03/2009	13.10	Hand Tripped.	
Koradi Unit 7	210	30/03/2009	08.02	30/03/2009	11.43	Boiler Feed Pump Problem	
Koradi Unit 7	210	30/03/2009	12.15	30/03/2009	14.14	Boiler Feed Pump Problem	
Koradi Unit 2	105	30/03/2009	12.47		Continued.	ID Fan Problem	02/04/2009
Uran Unit 5	108	30/03/2009	18.56	31/03/2009	03.35	Gas Restriction	
Uran Unit 8	108	30/03/2009	20.25	31/03/2009	05.34	Gas Restriction	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Mar/2009

Position as on 6.30 Hrs of 31/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	28/03/2009	18:15		Continued.	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,315 MVA ICT-III at Padgha	23/03/2009	09.57		Continued.	L.V.Main Brk.replacement,L.V.Side On TBC.
400/220 KV,105 MVA Spare ICT-I at Karad S/S.	24/03/2009	12.56		Continued.	Attending oil leakage from neutral bushing.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT-II @ Kalmeshwar	25/03/2009	16.30		Continued.	Augmentation of 100MVA ICT by 200MVA ICT
Taloja-OCIL-I	30/03/2009	08.30	30/03/2009	18.47	Breaker O/H Work.
220 KV Main Bus at Tilwani	30/03/2009	09.40	30/03/2009	18.30	R.M. Work
Boiser-Taps	30/03/2009	09.50	30/03/2009	18.42	R.M.Work at Tarapur
Pusad-Nanded	30/03/2009	15.24	30/03/2009	20.26	P.T.Replacement.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC POLEII	30/03/2009	16.32	30/03/2009	22.16	Fire in Thyristor at Chandrapur
Voltage Level : 400KV			Outage Type TRIPPED		
spare ICT @Kalwa	07/03/2009	01.20		Continued.	Trip on PRV
New Koyna - StageIV - I	30/03/2009	22.11		Continued.	TRIPPED ON O/V
600 MVA ICT I AT KALWA	31/03/2009	05.55		Continued.	Buchhloz Ind.
Voltage Level : 220KV			Outage Type TRIPPED		
220KV TBC BAY at Chandrapur.	28/03/2009	02:50		Continued.	B Phase CT Burst
220/132 KV,200 MVA ICT @ Bale	30/03/2009	13.55	30/03/2009	14.30	Buchhloz Alarm.
220/132 KV 150MVA ICT at Bhandara	30/03/2009	14.45	30/03/2009	15.20	Tripped on Back Up Prot.
Wada-Kolshet	30/03/2009	15.23	30/03/2009	16.45	Tripped on Distance protection
220/22 KV T/F-I at Wada	30/03/2009	15.23	30/03/2009	16.58	Tripped
220/22 KV T/F-II at Wada	30/03/2009	15.23	30/03/2009	16.53	Tripped
220/22 KV T/F-III at Wada	30/03/2009	15.23	30/03/2009	17.00	Tripped
Padgha-Wada	30/03/2009	15.23	31/03/2009	01.03	Tripped on Distance protection
Khaperkheda - Wardha.	30/03/2009	15.47	30/03/2009	16.09	Tripped on Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Kanhan-Mouda	30/03/2009	10.47	30/03/2009	15.47	Tripped on Distance protection
Akola-Paras	30/03/2009	12.48	30/03/2009	16.55	Tripped on Distance protection
Madgi-Bhandara-I	30/03/2009	14.45		Continued.	Y Ph. CT Burst at Madgi.
Madgi-Bhandara-II	30/03/2009	14.45	30/03/2009	15.38	Tripped on Back Up Prot.
Madgi-Kawlewada	30/03/2009	14.45	30/03/2009	15.18	Tripped on Back Up Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/Mar/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	0
Unit 3	105	60
Unit 4	105	60
Unit 5	200	150
Unit 6	210	150
Unit 7	210	140
	1040	630
Bhusawal		
Unit 1	58	25
Unit 2	210	190
Unit 3	210	190
	478	405
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	135
Unit 4	210	150
Unit 5	210	150
Unit 6	250	195
	940	670
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	425
	2340	2085
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	90
Unit 3	210	190
Unit 4	210	190
Unit 5	210	200
	870	765
Uran		
All Units	852	450
	852	450
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	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	
	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	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	90
Trombay 7B	60	90
Trombay 8	250	250
TATA Hydro	444	440
	2024	1870
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3762
	3143	3762

	17396	13982
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