



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Apr/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.321	376.522	1) Madhya Pradesh	63.160	189.006
2) Hydro	15.852	45.153	2) Gujrat	18.821	61.744
3) Gas	13.130	40.109	3) Goa	-6.155	-18.329
Total MSGENCO	154.303	461.784	4) TAPS 1&2 (Inj.)	7.246	21.720
B) OTHERS			5) Pench (Excess)	-0.103	-0.226
1) RGPPL Gas	14.939	44.865	# Total Cent. Sector	82.969	253.915
2) Wind Generation	2.875	10.331	F) Other Exchanges		
3) PENCH (MS)	0.103	0.394	1) With TPCL	-3.972	-13.971
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	33.127	98.672	1) MSEDCL Bilateral	9.099	29.971
2) TPCL Hydro	4.969	15.873	Include PX	1.345	5.508
TOTAL TPCL	38.096	114.545	2) MUMBAI Bilateral	5.582	18.185
3) REL Thermal	12.655	37.929	Include PX	1.771	5.881
D) STATE			3) MUMBAI Schedule	5.582	18.185
1) Thermal (A1+C1+C3)	171.103	513.123	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	20.924	61.420	1) MSEDCL	251.217	757.544
3) Gas (A3+B1)	28.069	84.974	2) TPCL	36.346	110.977
4) Wind (B2)	2.875	10.331	3) REL	18.376	55.466
TOTAL STATE	222.971	669.848	TOTAL STATE	305.939	923.987

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	5311	5385	5009
MSGENCO Hydro	564	1005	506
MSGENCO Gas	604	592	452
MSGENCO Total Generation	6479	6982	5967
Central Sector Receipt	3518	3744	3037
RGPPL	622	623	623
WIND	137	138	80
Exchange with TPCL	-283	-293	-15
MSEDCL DEMAND MET	10473	11218	9692
Load Shedding	4431	3687	1759
MSEDCL DEMAND (INCL. LS)	14904	14905	11451
TPCL GENERATION	1526	1735	1391
REL GENERATION	528	522	528
TPCL+REL DEMAND	2337	2550	1934
STATE DEMAND MET	12810	13768	11626
STATE DEMAND (INCL. LS)	17241	17455	13385
Frequency (Hz)	49.70	49.43	49.28
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4638 MW AT 10.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			86.82 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.17 Hz at 18.00 Hrs	48.79 Hz at 00.18 Hrs	49.47	3.11 % 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 03/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.58	4.88	78	38	70
Unit 2	0.00	0.00	0	0	0
Unit 3	1.64	4.73	76	62	70
Unit 4	1.71	4.90	82	61	70
Unit 5	3.71	10.29	175	143	160
Unit 6	3.74	11.08	172	135	150
Unit 7	3.74	10.78	173	142	160
	16.11	46.66			680
Bhusawal					
Unit 1	0.00	0.49	0	0	0
Unit 2	4.25	12.94	190	165	190
Unit 3	4.28	13.36	192	168	195
	8.53	26.80			385
Parli					
Unit 1	0.56	1.68	26	22	20
Unit 2	0.61	1.81	27	24	20
Unit 3	3.22	10.04	152	116	130
Unit 4	3.50	9.69	155	138	140
Unit 5	3.50	10.68	161	136	140
Unit 6	5.01	15.86	237	184	180
	16.41	49.76			630
Chandrapur					
Unit 1	4.08	12.37	175	164	170
Unit 2	4.05	12.34	173	156	170
Unit 3	4.54	13.88	210	114	210
Unit 4	4.68	14.22	208	142	210
Unit 5	9.84	30.23	469	366	450
Unit 6	9.67	29.49	445	346	450
Unit 7	9.44	28.98	430	353	450
	46.31	141.52			2110
Paras					
Unit 2	0.67	2.54	31	25	25
Unit 3	2.61	2.61	206	0	70
	3.28	5.15			95
Khaparkheda					
Unit 1	4.74	13.95	206	188	200
Unit 2	4.63	13.79	207	183	190
Unit 3	4.84	14.01	214	190	210
Unit 4	4.78	14.42	212	187	210
	19.00	56.17			810
Nasik					
Unit 1		3.50	0	0	0
Unit 2	2.10	6.04	96	77	95
Unit 3	4.56	13.70	199	179	200
Unit 4	4.62	13.80	203	180	200
Unit 5	4.40	13.43	196	164	200
	15.68	50.46			695
Uran					
All Units	13.13	40.11	615	451	460
	13.13	40.11			460
Koyna					
Stage 1-2	4.80	12.22	530	40	600
Stage 4	5.48	17.13	756	0	250
Koyna 12&4 Total	10.28	29.34			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.12	6.02	284	0	320
	12.40	35.36			1170
Hydro					
KDPH	0.91	2.74	38	38	36
VTRNA	0.00	0.00	0	0	0
TILLARI	0.43	1.24	60	0	60
BHTGR/VEER	0.72	2.17	30	30	30
BHIRA T.R.	0.23	0.87	81	0	80
RNGR+BHTSA	0.31	0.98	13	13	15
BHANDARDRA	0.62	0.86	26	26	26
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.04	0.04	11	0	0
GHATGHAR	0.19	0.90	125	0	0
	3.45	9.79			247
PENCH (MS)					
Pench (MS)	0.10	0.39	24	0	
	0.10	0.39			
Wind					
MalharPeth	0.21	0.72			
Vankuswadi	0.48	1.77			
ATIT	0.08	0.29			
Kale	0.16	0.50			
Satara	0.19	0.75			
Shirala	0.18	0.78			
K Mahankal	0.00	0.04			
Supa	0.27	0.67			
Vita	0.40	1.86			
Dondaicha	0.26	1.00			
Sakri	0.06	0.29			
Nandurbar	0.02	0.08			
Khadakale	0.44	1.27			
Khaparale	0.11	0.31			
	2.88	10.33			
Dabhol					
RGPP L II	14.94	44.86	629	615	600
RGPP L III		0.00	0	0	
	14.94	44.86			600
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.95	35.92	500	460	500
Trombay 6	11.81	34.82	510	360	500
Trombay 7A	2.18	6.65	92	90	100
Trombay 7B	1.41	4.26	60	58	60
Trombay 8	5.77	17.02	246	230	250
TATA Hydro	4.97	15.87	466	2	447
	38.10	114.54			1857
REL					
1&2	12.66	37.93	530	522	500
	12.66	37.93			500
Cent Sect					
Share					3705
					3705

MS PG CL	Thermal	125.32	376.52		5405
	Thml+Gas	138.45	416.63		5865
	Hydro	15.85	45.15		1417
	Total	154.30	461.78		7282
State Total		222.97	669.85		13944

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/Apr/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	5031	896	451	6378	624	94	3325	3106	-222	-158	10044	1736	11780	2138	13918	49.24
2	5009	506	452	5967	623	80	3187	3037	-80	-15	9692	1759	11451	1934	13385	49.28
3	5051	582	457	6090	624	99	3110	3138	-9	56	10007	1726	11733	1817	13550	49.38
4	5050	837	459	6346	625	107	3106	3108	-9	56	10242	1776	12018	1775	13793	49.48
5	5115	940	460	6515	625	133	3107	3134	-9	58	10465	2230	12695	1682	14377	49.28
6	5344	1011	486	6841	628	142	3018	3034	88	153	10798	2566	13364	1765	15129	49.44
7	5367	307	572	6246	629	162	3022	3048	36	101	10186	3985	14171	1826	15997	49.64
8	5385	332	570	6287	629	125	3033	3064	-19	51	10156	4350	14506	1835	16341	49.63
9	5403	366	600	6369	627	120	3083	3083	-81	-9	10190	4676	14866	2014	16880	49.71
10	5311	564	604	6479	622	137	3358	3518	-349	-283	10473	4431	14904	2337	17241	49.70
11	5243	599	599	6441	618	170	3611	3615	-349	-284	10560	3872	14432	2560	16992	49.48
12	5228	377	611	6216	616	116	3636	3653	-396	-333	10268	3847	14115	2711	16826	49.42
13	5159	455	615	6229	615	83	3736	3858	-396	-329	10456	3741	14197	2721	16918	49.60
14	5146	542	606	6294	620	66	3700	3732	-396	-329	10383	3735	14118	2684	16802	49.59
15	5114	533	582	6229	618	82	3693	3740	-396	-330	10339	3714	14053	2673	16726	49.50
16	5137	495	556	6188	617	144	3650	3712	-396	-329	10332	3737	14069	2648	16717	49.51
17	5243	488	530	6261	621	163	3587	3826	-396	-332	10539	3655	14194	2613	16807	49.68
18	5299	262	544	6105	620	128	3904	3974	-372	-297	10530	3292	13822	2550	16372	49.64
19	5417	271	575	6263	622	139	3886	3856	-317	-244	10650	3382	14032	2505	16537	49.57
20	5385	1005	592	6982	623	138	3694	3744	-360	-293	11218	3687	14905	2550	17455	49.43
21	5319	1104	596	7019	623	200	3665	3655	-313	-245	11276	3428	14704	2473	17177	49.36
22	5293	935	594	6822	622	132	3666	3610	-312	-245	10964	3432	14396	2397	16793	49.25
23	5202	1155	513	6870	623	124	3547	3487	-287	-219	10903	3000	13903	2270	16173	49.17
24	5070	1290	506	6866	625	124	3405	3237	-240	-173	10679	2457	13136	2245	15381	49.20
MUs	125.32	15.85	13.13	154.30	14.94	3.01	82.73	82.97	-5.58	-3.97	251.35	78.21	329.56	54.72	384.29	49.47

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 03/Apr/2009

Position as on 6.30 Hrs of 04/Apr/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	03/04/2009	03.23	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.	
Koradi Unit 2	105	30/03/2009	12.47		Continued.	ID Fan Problem	06/04/2009
Bhusawal Unit 1	58	01/04/2009	22.14	04/04/2009	00.09	Boiler Tube Leakage	
Nasik Unit 1	125	02/04/2009	14.00		Continued.	Water wall Tube leakage	08/04/2009
Cent_Sect sipat-5	500	03/04/2009	23.46		Continued.	Bearing Vibration Problem.	06/04/2009
Tata Trombay 8	250	04/04/2009	02.25		Continued.	Boiler Tube Leakage	06/04/2009

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 03/Apr/2009

Position as on 6.30 Hrs of 04/Apr/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.
Padgha-Kalwa-I	03/04/2009	08.44	03/04/2009	18.22	Bay Maintenance work.
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
Padgha-Wada	03/04/2009	08.50	03/04/2009	21.25	Breaker O/H Work.
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 FORCED OUTAGE		
500kv HVDC Pole1	04/04/2009	01.42	04/04/2009	08.01	Thyristor Value Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
BBLSR-BHUSAWAL	04/04/2009	21.33	04/04/2009	22.31	H/T B phase Bus-I side Isolator sparking, Ckt.charged on TBC
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kalwa II-Taloja	03/04/2009	12.55	03/04/2009	20.44	H/T For O/L,ICT.
Inter Connector @ Kalwa	03/04/2009	13.45	04/04/2009	20.03	H/T For O/L,ICT.
Voltage Level : 400KV			Outage Type TRIPPED		
spare ICT @Kalwa	07/03/2009	01.20		Continued.	Trip on PRV
600 MVA ICT I AT KALWA	31/03/2009	05.55		Continued.	Buchhloz Trip. R Ph. Unit Caught Fire.
BBLSR-BHUSAWAL	04/04/2009	13.56	04/04/2009	19.41	Tripped ,Dist.Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
220KV TBC BAY at Chandrapur.	28/03/2009	02:50		Continued.	B Phase CT Burst
220/132 kv,100 MVA ICT at Bhugaon.	03/04/2009	01.32	03/04/2009	16.20	Tripped
Aurangabad-Jalna-I	03/04/2009	11.38	03/04/2009	12.20	Tripped ,Dist.Prot.
Aurangabad-Jalna-II	03/04/2009	11.38	03/04/2009	15.54	Tripped at Aurangabad end
220/132KV 100MVA ICT-I at Chalisgaon	04/04/2009	20.41	04/04/2009	21.24	R phase C.T.of 132KV chalisgaon ckt-I burst
220/132KV 100MVA ICT-II at Chalisgaon	04/04/2009	20.41	04/04/2009	21.12	R phase C.T.of 132KV chalisgaon ckt-I burst
Voltage Level : 132KV			Outage Type TRIPPED		
Madgi-Bhandara-I	30/03/2009	14.45	03/04/2009	16.40	Y Ph. CT Burst at Madgi.
132/11 kv,25 MVA T/F at Pardi	01/04/2009	20.09	03/04/2009	21.00	HV Side 'Y'Ph.CT Burst.
kanned-Chalisgaon	03/04/2009	01.25	04/04/2009	19.15	'Y' Ph.CT Burst.
kanned-Chalisgaon	03/04/2009	01.25	04/04/2009	19.15	'Y' Ph.CT Burst.
Parbhani-Pathari	04/04/2009	03.28	03/04/2009	03.50	Tripped on Dist.Prot.
Chikhali - Buldana	04/04/2009	03.53	04/04/2009	05.20	Y phase C.T.Burst of 132KV Mehakar

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 03/Apr/2009

Position as on 6.30 Hrs of 04/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					line
Chikhali - Mehakar	04/04/2009	09.53		Continued.	'Y' Ph.CT Burst.
Chalisgaon-Chalisgaon-I	04/04/2009	20.41		Continued.	R phase C.T.of 132KV chalisgaon ckt-I burst
null					
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Theur-Jejuri	03/04/2009	14.03	03/04/2009	16.20	H/T to control Lonikand ICT Loading
Theur-Chinchwad	03/04/2009	18.33	03/04/2009	21.29	H/T to control Lonikand ICT Loading

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	0
Unit 3	105	70
Unit 4	105	70
Unit 5	200	145
Unit 6	210	150
Unit 7	210	150
	1040	660
Bhusawal		
Unit 1	58	25
Unit 2	210	185
Unit 3	210	185
	478	395
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	140
Unit 4	210	150
Unit 5	210	150
Unit 6	250	220
	940	700
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	150
Unit 4	210	150
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1840
Paras		
Unit 2	55	45
Unit 3	250	225
	305	270
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	190
Unit 4	210	190
	840	760
Nasik		
Unit 1	120	0
Unit 2	120	92
Unit 3	210	181
Unit 4	210	186
Unit 5	210	185
	870	644
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	36
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	30
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	26
ELDARY	23	0
PAITHAN	12	12
GHATGHAR	250	0
	611	259
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	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3393
	3143	3393