



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Apr/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.685	503.207	1) Madhya Pradesh	59.892	248.898
2) Hydro	25.719	70.872	2) Gujrat	20.415	82.159
3) Gas	13.364	53.473	3) Goa	-6.751	-25.080
Total MSGENCO	165.768	627.552	4) TAPS 1&2 (Inj.)	7.205	28.925
B) OTHERS			5) Pench (Excess)	-0.237	-0.463
1) RGPPL Gas	14.876	59.741	# Total Cent. Sector	80.524	334.439
2) Wind Generation	3.076	13.407	F) Other Exchanges		
3) PENCH (MS)	0.237	0.631	1) With TPCL	-9.528	-23.499
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.764	126.436	1) MSEDCL Bilateral	5.825	35.796
2) TPCL Hydro	4.066	19.939	Include PX	0.304	5.811
TOTAL TPCL	31.830	146.375	2) MUMBAI Bilateral	9.868	28.053
3) REL Thermal	12.613	50.542	Include PX	3.235	9.116
D) STATE			3) MUMBAI Schedule	11.568	29.753
1) Thermal (A1+C1+C3)	167.062	680.185	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	30.022	91.442	1) MSEDCL	254.953	1012.734
3) Gas (A3+B1)	28.240	113.214	2) TPCL	35.475	146.452
4) Wind (B2)	3.076	13.407	3) REL	18.496	73.962
TOTAL STATE	228.400	898.248	TOTAL STATE	308.924	1233.148

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	5469	5397	4881
MSGENCO Hydro	569	1474	924
MSGENCO Gas	608	618	508
MSGENCO Total Generation	6646	7489	6313
Central Sector Receipt	3572	3638	2981
RGPPL	620	623	624
WIND	97	143	114
Exchange with TPCL	-421	-465	-245
MSEDCL DEMAND MET	10514	11451	9787
Load Shedding	4200	3535	1708
MSEDCL DEMAND (INCL. LS)	14714	14986	11495
TPCL GENERATION	1388	1510	1121
REL GENERATION	528	519	528
TPCL+REL DEMAND	2337	2494	1894
STATE DEMAND MET	12851	13945	11681
STATE DEMAND (INCL. LS)	17051	17480	13389
Frequency (Hz)	49.36	49.49	49.12
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4557 MW AT 10.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			87.29 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.5 Hz at 10.35 Hrs	48.79 Hz at 00.21 Hrs	49.44	5.78 % 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 04/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.68	6.56	79	50	75
Unit 2	0.00	0.00	0	0	0
Unit 3	1.70	6.42	78	38	70
Unit 4	1.80	6.70	81	62	70
Unit 5	3.83	14.12	178	126	145
Unit 6	3.97	15.05	178	147	150
Unit 7	3.92	14.71	181	146	150
	16.90	63.56			660
Bhusawal					
Unit 1	0.56	1.05	30	10	25
Unit 2	4.20	17.14	189	164	185
Unit 3	4.22	17.58	185	168	185
	8.98	35.78			395
Parli					
Unit 1	0.56	2.24	27	22	20
Unit 2	0.58	2.38	26	21	20
Unit 3	3.42	13.46	158	133	140
Unit 4	3.58	13.27	160	137	150
Unit 5	3.67	14.35	162	144	150
Unit 6	5.25	21.12	240	202	220
	17.05	66.82			700
Chandrapur					
Unit 1	3.94	16.32	174	139	170
Unit 2	4.10	16.44	176	162	170
Unit 3	4.03	17.91	201	112	150
Unit 4	4.05	18.27	199	115	150
Unit 5	9.81	40.04	460	347	400
Unit 6	9.47	38.96	440	340	400
Unit 7	8.74	37.73	430	286	400
	44.14	185.66			1840
Paras					
Unit 2	0.89	3.44	45	20	45
Unit 3	5.35	7.96	246	196	225
	6.25	11.40			270
Khaparkheda					
Unit 1	4.50	18.46	204	172	190
Unit 2	4.45	18.24	195	180	190
Unit 3	4.60	18.61	197	184	190
Unit 4	4.57	18.99	198	182	190
	18.12	74.29			760
Nasik					
Unit 1	0.00	3.50	0	0	0
Unit 2	2.15	8.19	99	81	92
Unit 3	4.34	18.03	200	159	181
Unit 4	4.44	18.24	200	171	186
Unit 5	4.32	17.76	199	161	185
	15.24	65.70			644
Uran					
All Units	13.36	53.47	632	470	500
	13.36	53.47			500
Koyna					
Stage 1-2	4.28	16.49	455	35	600
Stage 4	14.46	31.59	1033	0	250
Koyna 12&4 Total	18.74	48.08			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	3.91	9.93	226	80	320
	22.65	58.01			1170
Hydro					
KDPH	0.31	3.05	39	0	36
VTRNA	0.00	0.00	0	0	0
TILLARI	0.38	1.62	60	0	60
BHTGR/VEER	0.72	2.89	30	30	30
BHIRA T.R.	0.23	1.10	82	0	80
RNGR+BHTSA	0.31	1.29	13	13	15
BHANDARDRA	0.62	1.48	26	26	26
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.07	0.11	10	0	12
GHATGHAR	0.42	1.32	125	0	0
	3.07	12.86			259
PENCH (MS)					
Pench (MS)	0.24	0.63	23	0	
	0.24	0.63			
Wind					
MalharPeth	0.15	0.87			
Vankuswadi	0.33	2.10			
ATIT	0.06	0.35			
Kale	0.14	0.64			
Satara	0.16	0.90			
Shirala	0.11	0.88			
K Mahankal	0.00	0.05			
Supa	0.19	0.87			
Vita	0.39	2.25			
Dondaicha	0.84	1.84			
Sakri	0.17	0.46			
Nandurbar	0.07	0.14			
Khadakale	0.37	1.64			
Khaparale	0.10	0.41			
	3.08	13.41			
Dabhol					
RGPP L II	14.88	59.74	629	591	600
RGPP L III		0.00	0	0	
	14.88	59.74			600
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.97	47.89	500	480	500
Trombay 6	11.81	46.63	510	320	500
Trombay 7A	2.19	8.84	92	91	120
Trombay 7B	1.41	5.67	59	58	60
Trombay 8	0.38	17.40	194	0	0
TATA Hydro	4.07	19.94	349	0	447
	31.83	146.38			1627
REL					
1&2	12.61	50.54	528	519	500
	12.61	50.54			500
Cent Sect					
Share					3393
					3393

MS PG CL	Thermal	126.68	503.21		5269
	Thml+Gas	140.05	556.68		5769
	Hydro	25.72	70.87		1429
	Total	165.77	627.55		7198
State Total		228.40	898.25		13318

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	4957	913	507	6377	623	120	3329	3134	-522	-472	9782	1691	11473	2294	13767	49.07
2	4881	924	508	6313	624	114	3082	2981	-309	-245	9787	1708	11495	1894	13389	49.12
3	4934	1278	481	6693	626	94	2978	2918	-196	-131	10200	1657	11857	1727	13584	49.39
4	5004	1229	474	6707	627	97	2904	2917	-120	-54	10294	1669	11963	1741	13704	49.44
5	5083	1244	470	6797	624	119	2903	2894	-120	-56	10388	2108	12496	1703	14199	49.11
6	5283	1267	470	7020	625	119	2897	3034	-120	-58	10760	2466	13226	1733	14959	49.27
7	5351	939	520	6810	629	144	2901	3098	-120	-58	10628	3599	14227	1765	15992	49.61
8	5401	518	603	6522	629	99	2953	3192	-158	-92	10350	3966	14316	1830	16146	49.62
9	5461	229	604	6294	627	71	2964	3258	-171	-107	10143	4353	14496	1988	16484	49.69
10	5469	569	608	6646	620	97	3271	3572	-476	-421	10514	4200	14714	2337	17051	49.36
11	5424	882	624	6930	614	92	3451	3664	-718	-662	10648	3467	14115	2611	16726	49.55
12	5367	1372	607	7346	591	96	3540	3624	-813	-754	10923	3419	14342	2694	17036	49.36
13	5388	1520	594	7502	591	86	3518	3508	-789	-687	11023	3379	14402	2691	17093	49.47
14	5389	1307	535	7231	610	115	3441	3417	-718	-614	10782	3428	14210	2613	16823	49.57
15	5351	1201	538	7090	619	142	3446	3321	-718	-617	10555	3484	14039	2646	16685	49.52
16	5264	1104	543	6911	620	166	3468	3403	-718	-618	10482	3828	14310	2624	16934	49.53
17	5187	972	544	6703	611	145	3533	3502	-718	-614	10347	3886	14233	2528	16761	49.40
18	5302	690	544	6536	621	169	3698	3706	-697	-589	10443	3616	14059	2450	16509	49.62
19	5323	1318	561	7202	623	110	3256	3351	-520	-410	10899	3345	14244	2391	16635	49.51
20	5397	1474	618	7489	623	143	3426	3638	-570	-465	11451	3535	14986	2494	17480	49.49
21	5499	1101	632	7232	625	189	3443	3877	-570	-450	11493	3208	14701	2435	17136	49.67
22	5422	985	623	7030	626	188	3457	3841	-581	-463	11242	3148	14390	2324	16714	49.60
23	5340	1369	595	7304	625	187	3399	3408	-573	-458	11086	2955	14041	2232	16273	49.40
24	5208	1314	561	7083	623	171	3283	3266	-552	-433	10730	2468	13198	2226	15424	49.23
MUs	126.68	25.72	13.36	165.77	14.88	3.07	78.54	80.52	-11.57	-9.53	254.95	74.58	329.53	53.97	383.50	49.44

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 04/Apr/2009

Position as on 6.30 Hrs of 05/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
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	05/04/2009	09:31	W/dn	
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
Dabhol 2X	290	05/04/2009	22:26		Continued.	Combulsion Inspection.	20/04/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Apr/2009

Position as on 6.30 Hrs of 05/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.
CHDPR-HVDC CKT-I	05/04/2009	08:34	05/04/2009	20:30	A.C.Filter Problem.
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
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		
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
220/132KV 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
Dhule-Chalisgaon	05/04/2009	08:34		Continued.	Conductor Snapped.
BBLSWR-CHLSGN	05/04/2009	08:34	05/04/2009	09:18	Tripped on Distance protection
Bhusawal-Chalisgaon-II	05/04/2009	08:34	05/04/2009	08:52	Tripped.
Chalisgaon - Malegaon	05/04/2009	08:34	05/04/2009	09:07	Tripped.
Chalisgaon-BSL-I	05/04/2009	08:34	05/04/2009	08:52	Tripped.
Kolhapur - Karad - II	05/04/2009	11:22	05/04/2009	11:48	Tripped on Distance protection
220/132 kv,100 MVA ICT at Bhugaon.	05/04/2009	16:30		Continued.	Internal Fault.
Voltage Level : 132KV			Outage Type TRIPPED		
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.
Chikhali - Buldana	04/04/2009	03.53	04/04/2009	05.20	Y phase C.T.Burst of 132KV Mehakar line
Chikhali - Mehakar	04/04/2009	09.53		Continued.	'Y' Ph.CT Burst.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Apr/2009

Position as on 6.30 Hrs of 05/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chalisgaon-Chalisgaon-I	04/04/2009	20.41		Continued.	R phase C.T.of 132KV chalisgaon ckt-I burst

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	0
Unit 3	105	75
Unit 4	105	75
Unit 5	200	150
Unit 6	210	150
Unit 7	210	120
	1040	645
Bhusawal		
Unit 1	58	25
Unit 2	210	180
Unit 3	210	180
	478	385
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	145
Unit 4	210	150
Unit 5	210	150
Unit 6	250	220
	940	705
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	350
	2340	1970
Paras		
Unit 2	55	25
Unit 3	250	250
	305	275
Khaparkheda		
Unit 1	210	185
Unit 2	210	185
Unit 3	210	185
Unit 4	210	185
	840	740
Nasik		
Unit 1	120	0
Unit 2	120	88
Unit 3	210	170
Unit 4	210	175
Unit 5	210	178
	870	611
Uran		
All Units	852	600
	852	600
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	5
BHANDARDRA	45	26
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	247
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	0
	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	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3304
	3143	3304