



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/May/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.336	473.422	1) Madhya Pradesh	67.267	231.847
2) Hydro	17.809	58.147	2) Gujrat	16.659	73.219
3) Gas	15.804	61.698	3) Goa	-6.607	-24.386
Total MSGENCO	151.949	593.267	4) TAPS 1&2 (Inj.)	5.868	15.910
B) OTHERS			5) Pench (Excess)	-0.219	-0.932
1) RGPPL Gas	14.284	48.541	# Total Cent. Sector	82.968	295.658
2) Wind Generation	9.888	47.314	F) Other Exchanges		
3) PENCH (MS)	0.219	0.932	1) With TPCL	-3.830	-1.287
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	34.021	132.778	1) MSEDCL Bilateral	8.153	33.787
2) TPCL Hydro	3.483	9.276	Include PX	0.616	2.471
TOTAL TPCL	37.504	142.054	2) MUMBAI Bilateral	4.392	5.082
3) REL Thermal	12.558	50.455	Include PX	0.086	-7.328
D) STATE			3) MUMBAI Schedule	4.392	5.082
1) Thermal (A1+C1+C3)	164.915	656.655	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	21.511	68.355	1) MSEDCL	255.478	985.357
3) Gas (A3+B1)	30.088	110.239	2) TPCL	38.182	131.003
4) Wind (B2)	9.888	47.314	3) REL	15.710	62.790
TOTAL STATE	226.402	882.563	TOTAL STATE	309.370	1179.150

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4944	5145	4638
MSGENCO Hydro	1160	704	142
MSGENCO Gas	634	700	664
MSGENCO Total Generation	6738	6549	5444
Central Sector Receipt	3284	4073	3328
RGPPL	622	383	627
WIND	153	727	525
Exchange with TPCL	-453	-217	91
MSEDCL DEMAND MET	10344	11525	10015
Load Shedding	3230	3261	1576
MSEDCL DEMAND (INCL. LS)	13574	14786	11591
TPCL GENERATION	1674	1757	1395
REL GENERATION	524	522	525
TPCL+REL DEMAND	2651	2496	1829
STATE DEMAND MET	12995	14021	11844
STATE DEMAND (INCL. LS)	16225	17282	13420
Frequency (Hz)	49.25	49.87	49.83
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4409 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			82.89 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.42 Hz at 06.03 Hrs	48.79 Hz at 12.48 Hrs	49.61	3.06 % 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/May/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.49	2.72	73	0	0
Unit 3	1.70	5.94	79	52	70
Unit 4	1.63	5.48	77	45	70
Unit 5	3.03	12.89	138	105	110
Unit 6	3.19	12.69	149	119	120
Unit 7	3.16	13.02	153	100	115
	13.19	52.75			485
Bhusawal					
Unit 1	0.78	2.60	55	22	25
Unit 2	4.12	16.30	181	163	175
Unit 3	4.08	16.54	181	155	175
	8.97	35.44			375
Parli					
Unit 1	0.54	2.15	25	22	20
Unit 2	0.60	2.32	26	23	20
Unit 3	3.31	3.51	146	126	140
Unit 4	3.73	15.00	171	144	160
Unit 5	3.68	15.07	168	144	160
Unit 6	5.29	21.38	231	200	220
	17.14	59.44			720
Chandrapur					
Unit 1	4.17	16.67	179	161	170
Unit 2	4.05	16.12	172	165	170
Unit 3	1.76	16.15	84	64	80
Unit 4	0.00	0.00	0	0	0
Unit 5	9.91	39.21	456	375	450
Unit 6	9.88	39.04	450	373	425
Unit 7	10.74	41.71	469	404	450
	40.51	168.89			1745
Paras					
Unit 2	0.58	0.58	51	0	0
Unit 3	3.56	18.87	200	81	120
	4.14	19.45			120
Khaparkheda					
Unit 1	4.52	17.66	204	168	175
Unit 2	4.33	17.31	195	162	175
Unit 3	4.42	17.69	203	174	175
Unit 4	4.54	17.89	204	175	175
	17.82	70.55			700
Nasik					
Unit 1	2.21	8.89	101	85	90
Unit 2	1.52	7.13	70	51	90
Unit 3	4.32	17.08	194	160	170
Unit 4	4.33	17.09	195	170	180
Unit 5	4.16	16.71	182	167	170
	16.56	66.90			700
Uran					
All Units	15.80	61.70	700	612	620
	15.80	61.70			620
Koyna					
Stage 1-2	4.04	10.62	490	40	600
Stage 4	8.42	25.77	840	0	250
Koyna 12&4 Total	12.47	36.39			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.58	7.91	320	0	320
	15.05	44.30			1170
Hydro					
KDPH	0.00	1.65	0	0	0
VTRNA	1.18	4.61	61	0	60
TILLARI	0.21	1.19	52	0	60
BHTGR/VEER	0.72	3.52	30	30	30
BHIRA T.R.	0.08	0.55	31	0	80
RNGR+BHTSA	0.31	1.24	13	13	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.18	12	0	0
GHATGHAR	0.20	0.90	125	0	0
	2.76	13.84			245
PENCH (MS)					
Pench (MS)	0.22	0.93	24	0	
	0.22	0.93			
Wind					
MalharPeth	0.41	1.46			
Vankuswadi	0.86	2.90			
ATIT	0.12	0.58			
Kale	0.24	1.20			
Satara	0.73	3.02			
Shirala	0.28	1.21			
K Mahankal	0.05	0.18			
Supa	0.19	1.29			
Vita	1.65	5.17			
Dondaicha	3.15	18.59			
Sakri	0.51	3.17			
Nandurbar	0.37	2.38			
Khadakale	0.77	3.74			
Khaparale	0.55	2.42			
	9.89	47.31			
Dabhol					
RGPP L II	14.28	48.54	629	336	598
RGPP L III		0.00	0	0	
	14.28	48.54			598
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.11	48.46	505	495	500
Trombay 6	11.53	43.96	510	410	500
Trombay 7A	2.89	10.59	124	114	110
Trombay 7B	1.60	5.96	68	65	70
Trombay 8	5.89	23.80	253	219	250
TATA Hydro	3.48	9.28	309	0	447
	37.50	142.05			1877
REL					
1&2	12.56	50.46	527	521	500
	12.56	50.46			500
Cent Sect					
Share					3230
					3230

MS PG CL	Thermal	118.34	473.42		4845
	Thml+Gas	134.14	535.12		5465
	Hydro	17.81	58.15		1415
	Total	151.95	593.27		6880
State Total		226.40	882.56		13085

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/May/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	4659	369	660	5688	629	507	2841	3310	-15	-2	10132	1571	11703	2013	13716	49.70
2	4638	142	664	5444	627	525	2765	3328	38	91	10015	1576	11591	1829	13420	49.83
3	4712	164	666	5542	626	554	2665	3717	144	199	10638	1537	12175	1691	13866	49.88
4	4716	144	668	5528	625	562	2589	3289	223	272	10276	1519	11795	1637	13432	49.80
5	4749	154	668	5571	625	551	2562	3383	249	293	10423	1940	12363	1581	13944	49.81
6	4801	647	667	6115	628	531	2604	3409	208	252	10935	2211	13146	1630	14776	49.66
7	4915	159	671	5745	625	442	2617	2766	197	241	9819	3260	13079	1634	14713	50.03
8	4977	154	667	5798	625	313	2712	2955	101	151	9842	3240	13082	1747	14829	49.83
9	5063	181	657	5901	627	306	2904	3256	-68	-45	10045	3383	13428	2021	15449	49.72
10	5084	408	654	6146	627	274	3214	3401	-374	-358	10090	3648	13738	2371	16109	49.58
11	4944	1160	634	6738	622	153	3305	3284	-469	-453	10344	3230	13574	2651	16225	49.25
12	4889	1710	620	7219	618	160	3325	3429	-492	-480	10946	3174	14120	2738	16858	49.23
13	4943	1855	612	7410	616	178	3321	3331	-492	-488	11047	3232	14279	2746	17025	49.11
14	5035	1607	615	7257	618	217	3271	3298	-445	-439	10951	3280	14231	2679	16910	49.13
15	4996	1543	620	7159	618	258	3316	3206	-492	-488	10775	3263	14038	2735	16773	49.18
16	5018	1335	636	6989	618	272	3316	3174	-492	-489	10587	3395	13982	2764	16746	49.12
17	4936	792	675	6403	621	289	3413	3457	-492	-487	10306	3496	13802	2753	16555	49.25
18	4926	677	692	6295	487	397	3495	3979	-371	-365	10817	3252	14069	2631	16700	49.83
19	5094	410	700	6204	336	624	3329	3910	-276	-269	10829	2968	13797	2471	16268	49.91
20	5145	704	700	6549	383	727	3142	4063	-223	-217	11515	3261	14776	2496	17272	49.87
21	5119	722	686	6527	607	606	3168	3972	-223	-194	11541	3068	14609	2408	17017	49.84
22	5140	549	664	6353	624	603	3173	4030	-224	-197	11436	2771	14207	2288	16495	49.80
23	4940	1229	651	6820	625	460	3221	3612	-266	-237	11304	2406	13710	2219	15929	49.55
24	4897	994	657	6548	627	322	3004	3409	-135	-121	10808	2139	12947	2159	15106	49.74
MUs	118.34	17.81	15.80	151.95	14.28	9.83	73.27	82.97	-4.39	-3.83	255.42	66.82	322.24	53.89	376.13	49.61

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/May/2009

Position as on 6.30 Hrs of 05/May/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
Chandrapur Unit 4	210	21/04/2009	00.05		Continued.	W/D for COH.	25/05/2009
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	04/05/2009	15.32	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	09/04/2009	02.10		Continued.	W/dn	
Koradi Unit 1	105	27/04/2009	22.07		Continued.	Condensor Tube Leakage	03/05/2009
Cent_Sect NTPC(V-4)	210	28/04/2009	10.15		Continued.	Boiler Tube Leakage	
Paras Unit 2	55	30/04/2009	21.00	04/05/2009	10:00	Clinker Formation.	
Koradi Unit 2	105	02/05/2009	12.57	04/05/2009	08:43	A C Supply Failure.	
Koyna ST-IV 2	250	04/05/2009	08:40	04/05/2009	13:45	Governer Problem	
Koradi Unit 2	105	04/05/2009	10:14	04/05/2009	17:00	Tripped on negative phase sequence.	
Dabhol 3B	230	04/05/2009	17:24	04/05/2009	18:43	Hot well level high.	
Dabhol 3X	290	04/05/2009	17:24	04/05/2009	19:33	Hot well level high.	
Uran Unit 3	60	04/05/2009	21.15		Continued.	Gas Restriction	

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

Position as on 6.30 Hrs of 05/May/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - I	29/04/2009	17.49		Continued.	H/T FOR O/V
Dhule-Sar'Sarovar II	01/05/2009	02.07	04/05/2009	07:25	H/T FOR O/V
Dhule-S'Sarovar I	04/05/2009	00.07		Continued.	H/T FOR O/V
Dhule-Sar'Sarovar II	05/05/2009	01:58		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV TBC at Parly-II	07/04/2009	00.00		Continued.	Compressor Problem.
400/220KV,105MVA Spare ICT at Chandrapur	26/04/2009	10.37	04/05/2009	13:25	Commissioning of CTR fire Protection Scheme.
400/220KV,315 MVA ICT-I at Kolhapur.	04/05/2009	08:17	04/05/2009	18:12	Q.M. WORK
400/220KV ICT-II at Padgha	05/05/2009	02:08	05/05/2009	02:24	To Connect 33KV Cable. A.C. Source to HVDC.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV,125MVA ICT-III at Kalwa	01/05/2009	07.45		Continued.	Maintanance work
ICT-II AT TROMBAY	04/05/2009	08:50	04/05/2009	12:28	Q.M. WORK
Borivali-Kalwa	04/05/2009	09:28		Continued.	Shifting of new panel & replacement of isolator.
M.B. at Halkarni	04/05/2009	10:22	04/05/2009	16:00	Bus Jumpering work.
Aurangabad-Jalna-I	04/05/2009	11:01	04/05/2009	14:53	Q.M. WORK
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
220 KV Own Brk..of 315 MVA ICT at Akola	23/04/2009	15.50		Continued.	Breaker Problem
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV,105 MVA Single Phase Spare ICT @ Chandrapur	04/05/2009	14:10	04/05/2009	16:40	Tripped ,oil temp
400/220KV ICT-II at Padgha	04/05/2009	16:55	04/05/2009	17:43	Tripped on Back Up Prot.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Theur - Jejuri	04/05/2009	11:30	04/05/2009	15:05	H/T to control Lonikand ICT Loading
KALMESHVAR-PANDURA	04/05/2009	19:18		Continued.	To Control Loading of Pandurna-Sarni Line.
Voltage Level : 220KV			Outage Type TRIPPED		
Kharepatan-Pawas	04/05/2009	05.52	04/05/2009	12:10	Tripped on Back-up
N.Koyna-Phinolex	04/05/2009	06.20	04/05/2009	12:09	Tripped on Dist.Prot.,E/W Snapped.
Pawas-Phinolex.	04/05/2009	06:20	04/05/2009	12:10	Tripped ,Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Mouda - Bhandara	03/05/2009	21.40	05/05/2009	01.06	Tripped R ph C T Burst @ Mouda.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/May/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	45
Unit 3	105	45
Unit 4	105	45
Unit 5	200	150
Unit 6	210	150
Unit 7	210	140
	1040	575
Bhusawal		
Unit 1	58	50
Unit 2	210	175
Unit 3	210	175
	478	400
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	80
Unit 4	210	0
Unit 5	500	450
Unit 6	500	425
Unit 7	500	450
	2340	1745
Paras		
Unit 2	55	50
Unit 3	250	75
	305	125
Khaparkheda		
Unit 1	210	175
Unit 2	210	175
Unit 3	210	175
Unit 4	210	175
	840	700
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	170
Unit 4	210	180
Unit 5	210	170
	870	700
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	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	30
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	245
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	598
RGPL III	740	
	1480	598
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3284
	3143	3284

	17396	13239
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