



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Jul/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	106.452	445.344	1) Madhya Pradesh	49.686	209.742
2) Hydro	7.071	26.625	2) Gujrat	13.841	66.802
3) Gas	11.655	51.081	3) Goa	-5.235	-20.574
Total MSGENCO	125.178	523.050	4)TAPS 1&2 (Inj.)	3.709	14.850
B) OTHERS			5)Pench (Excess)	-0.275	-0.769
1) RGPPL Gas	22.487	89.680	# Total Cent. Sector	61.726	270.051
2) Wind Generation	9.809	39.580	F) Other Exchanges		
3) PENCH (MS)	0.275	0.769	1) With TPCL	-4.893	-33.124
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	26.007	113.441	1) MSEDCL Bilateral	4.770	19.107
2) TPCL Hydro	1.244	10.292	Include PX	0.000	0.000
TOTAL TPCL	27.251	123.733	2) MUMBAI Bilateral	2.919	24.646
3) REL Thermal	12.369	35.531	Include PX	0.784	10.031
D) STATE			3) MUMBAI Schedule	4.894	33.459
1) Thermal (A1+C1+C3)	144.828	594.316	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	8.590	37.686	1) MSEDCL	214.582	890.775
3) Gas (A3+B1)	34.142	140.761	2) TPCL	29.143	127.514
4) Wind (B2)	9.809	39.580	3) REL	15.369	64.870
TOTAL STATE	197.369	812.343	TOTAL STATE	259.094	1083.159

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4513	4566	4244
MSGENCO Hydro	121	920	50
MSGENCO Gas	530	497	424
MSGENCO Total Generation	5164	5983	4718
Central Sector Receipt	2759	2742	2343
RGPPL	936	938	939
WIND	398	425	342
Exchange with TPCL	-230	-381	33
MSEDCL DEMAND MET	9027	9730	8375
Load Shedding	2167	2380	657
MSEDCL DEMAND (INCL. LS)	11194	12110	9032
TPCL GENERATION	1556	1161	830
REL GENERATION	528	528	516
TPCL+REL DEMAND	2314	2070	1313
STATE DEMAND MET	11341	11800	9688
STATE DEMAND (INCL. LS)	13508	14180	10345
Frequency (Hz)	49.48	49.39	49.65
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2514 MW At 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			37.52 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.14 Hz at 03.18 Hrs	48.9 Hz at 23.05 Hrs	49.55	.23 % 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/Jul/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	4.06	0	0	0
Unit 2	0.00	1.14	0	0	0
Unit 3	0.95	6.10	50	0	40
Unit 4	0.00	0.00	0	0	0
Unit 5	2.76	12.66	142	28	105
Unit 6	3.37	13.68	158	103	115
Unit 7	3.00	13.08	156	107	110
	10.08	50.71			370
Bhusawal					
Unit 1	1.03	4.36	54	32	40
Unit 2	3.70	14.89	168	148	160
Unit 3	4.14	16.47	186	158	175
	8.87	35.72			375
Parli					
Unit 1	0.49	1.91	21	20	20
Unit 2	0.60	2.34	26	23	20
Unit 3	3.42	13.53	156	130	150
Unit 4	3.63	14.48	158	144	150
Unit 5	3.92	15.16	180	149	150
Unit 6	0.00	0.00	0	0	0
	12.05	47.42			490
Chandrapur					
Unit 1	4.06	14.88	174	160	170
Unit 2	3.68	14.72	156	143	155
Unit 3	4.46	17.50	199	170	210
Unit 4	4.52	17.55	200	153	195
Unit 5	8.61	38.90	445	305	450
Unit 6	8.29	37.37	414	229	300
Unit 7	8.90	38.99	393	358	460
	42.51	179.91			1940
Paras					
Unit 2	0.96	3.76	46	38	35
Unit 3	4.32	17.02	190	171	165
	5.29	20.78			200
Khaparkheda					
Unit 1	4.22	16.84	185	167	175
Unit 2	3.57	15.62	170	130	175
Unit 3	4.30	17.20	188	170	175
Unit 4	4.11	16.81	183	152	175
	16.20	66.46			700
Nasik					
Unit 1	1.68	7.80	83	43	81
Unit 2	0.87	0.87	94	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	4.64	18.69	200	186	182
Unit 5	4.25	16.98	183	169	162
	11.44	44.34			425
Uran					
All Units	11.66	51.08	532	388	580
	11.66	51.08			580
Koyna					
Stage 1-2	1.70	6.38	250	35	600
Stage 4	2.69	9.24	510	0	250
Koyna 12&4 Total	4.38	15.62			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.37	4.86	236	0	320
	5.75	20.48			1170
Hydro					
KDPH	0.00	1.21	0	0	0
VTRNA	0.48	1.89	61	0	60
TILLARI	0.05	0.05	47	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.21	0.88	42	0	40
RNGR+BHTSA	0.24	0.94	10	10	10
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.34	1.18	125	0	0
	1.32	6.15			110
PENCH (MS)					
Pench (MS)	0.28	0.77	24	0	
	0.28	0.77			
Wind					
MalharPeth	0.83	2.51			
Vankuswadi	1.66	5.31			
ATIT	0.42	1.30			
Kale	0.77	1.09			
Satara	0.67	2.82			
Shirala	0.55	1.57			
K Mahankal	0.10	0.86			
Supa	0.24	0.94			
Vita	3.08	11.37			
Dondaicha	0.46	5.66			
Sakri	0.13	1.17			
Nandurbar	0.08	0.96			
Khadakale	0.64	2.90			
Khaparale	0.18	1.14			
	9.81	39.58			
Dabhol					
RGPP L II	22.49	89.68	942	931	866
RGPP L III	0.00	0.00	0	0	
	22.49	89.68			866
Tata					
Trombay 4		0.04	0	0	0
Trombay 5	8.84	38.90	505	230	500
Trombay 6	9.98	44.85	510	160	500
Trombay 7A	2.81	11.56	118	116	120
Trombay 7B	1.36	6.13	65	0	60
Trombay 8	3.02	11.96	130	114	120
TATA Hydro	1.24	10.29	235	4	447
	27.25	123.73			1747
REL					
1&2	12.37	35.53	530	349	500
	12.37	35.53			500
Cent Sect					
Share					2594
					2594

MS PG CL	Thermal	106.45	445.34		4500
	Thml+Gas	118.11	496.42		5080
	Hydro	7.07	26.62		1280
	Total	125.18	523.05		6360
State Total		197.37	812.34		12067

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/Jul/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	MUMBAI		MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	MUMBAI DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS						SCH.	EXCH.						
1	4336	523	430	5289	942	412	2500	2241	-12	26	8910	785	9695	1552	11247	49.73
2	4281	350	431	5062	939	426	2492	2243	-3	34	8704	785	9489	1516	11005	49.67
3	4253	270	431	4954	938	433	2498	2266	-3	34	8625	797	9422	1357	10779	49.85
4	4298	120	388	4806	937	380	2498	2148	-3	34	8305	754	9059	1326	10385	49.95
5	4244	50	424	4718	939	342	2498	2343	-3	33	8375	657	9032	1313	10345	49.65
6	4249	50	476	4775	940	276	2511	2702	-20	15	8708	736	9444	1402	10846	49.52
7	4300	203	483	4986	939	247	2544	2590	-20	16	8778	1384	10162	1521	11683	49.41
8	4404	106	490	5000	938	320	2521	2551	-20	15	8824	1500	10324	1612	11936	49.63
9	4488	106	487	5081	936	391	2560	2387	-46	-10	8785	1660	10445	1838	12283	49.60
10	4466	116	517	5099	935	396	2682	2590	-185	-228	8792	1684	10476	2089	12565	49.59
11	4480	111	523	5114	935	434	2646	2691	-185	-231	8943	2161	11104	2267	13371	49.44
12	4513	121	530	5164	936	398	2643	2759	-185	-230	9027	2167	11194	2314	13508	49.48
13	4500	110	528	5138	931	431	2685	2658	-237	-293	8884	2213	11097	2294	13391	49.46
14	4474	102	532	5108	935	419	2685	2558	-237	-292	8751	2164	10915	2191	13106	49.56
15	4392	85	520	4997	934	419	2685	2725	-362	-409	8689	2152	10841	2189	13030	49.37
16	4327	168	517	5012	936	486	2686	2659	-487	-541	8576	2229	10805	2167	12972	49.51
17	4329	50	516	4895	937	706	2703	2454	-505	-552	8463	2516	10979	2138	13117	49.66
18	4486	56	512	5054	937	625	2706	2762	-498	-498	8903	2126	11029	2081	13110	49.72
19	4589	312	504	5405	936	492	2623	2847	-394	-398	9305	2043	11348	2071	13419	49.54
20	4566	920	497	5983	938	425	2628	2742	-394	-381	9730	2380	12110	2070	14180	49.39
21	4648	986	506	6140	939	375	2600	2699	-394	-377	9799	2123	11922	1986	13908	49.51
22	4701	958	496	6155	938	354	2621	2589	-344	-328	9731	2024	11755	1860	13615	49.31
23	4608	601	470	5679	937	321	2672	2817	-259	-239	9539	1378	10917	1753	12670	49.44
24	4500	597	447	5544	935	259	2607	2666	-100	-93	9335	1018	10353	1606	11959	49.28
MUs	106.43	7.07	11.66	125.16	22.49	9.77	62.49	61.69	-4.89	-4.89	214.48	39.44	253.92	44.51	298.43	49.55

NOTE : ALL VALUES IN MW

MUMBAI Sch./Net Exch is shown with reference to MSETCL System. (+) indicates MUMBAI to MSETCL and (-) indicates MSETCL to MUMBAI. MUMBAI Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 04/Jul/2009

Position as on 6.30 Hrs of 05/Jul/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 NTPC(K-3)	210	01/06/2009	00.00		Continued.	Annual Overhaul	06/07/2009
Parli Unit 6	250	03/06/2009	06.35		Continued.	Annual Overhaul	20/07/2009
Nasik Unit 3	210	07/06/2009	21.37		Continued.	Capital overhaul	18/07/2009
Cent_Sect Tarapur 2	80	16/06/2009	22:10		Continued.	Refueling Outage.	30/07/2009
Cent_Sect TARAPUR-4	540	28/06/2009	06.00	05/07/2009	19.42	Deficiencies.	07/07/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	25/07/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Cent_Sect Kawas ST1C	116	03/06/2009	16:33		Continued.	Bearing Temp. High	15/07/2009
Nasik Unit 2	125	25/06/2009	04:10	04/07/2009	10.45	Fire in Wind Box.	
Koradi Unit 4	115	28/06/2009	14.18		Continued.	Coal Bunkering problem.	07/07/2009
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
REL 2	250	01/07/2009	16.25	04/07/2009	00.03	Boiler Tube Leakage	
Cent_Sect KARPR2	220	02/07/2009	00.30	04/07/2009	20.38	Reactor Problem.	06/07/2009
Koradi Unit 2	105	02/07/2009	21.51		Continued.	ID Fan Problem	08/07/2009
Koradi Unit 1	105	03/07/2009	03.36	05/07/2009	00.05	Boiler Tube Leakage	06/07/2009
Uran Unit 5	108	03/07/2009	11.33		Continued.	Fire in Dampers.	
Uran Unit A0	120	03/07/2009	21.11	04/07/2009	04.33	Aux.Supply Failure	
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	
Koradi Unit 3	105	04/07/2009	22.31		Continued.	Boiler Tube Leakage	09/07/2009
Nasik Unit 1	125	05/07/2009	06.15		Continued.	Boiler Tube Leakage	09/07/2009
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	

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

Position as on 6.30 Hrs of 05/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220 KV Taps Zone -I.	23/06/2009	13:44	04/07/2009	14.36	Gantry Replacement Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Mudshingi-Ponda	05/07/2009	10:55	05/07/2009	12:35	For Ateending Breakdown of Tillary - Phonda
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-I	19/06/2009	16:13		Continued.	3 Tower Collopsed.
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Collopsed.
Voltage Level : 220KV			Outage Type TRIPPED		
TILLARY-PHONDA	05/07/2009	01.15	05/07/2009	15.50	Tripped ,Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Breaker of C'Pur-Parli-I at Parli end	12/06/2009	10.56		Continued.	To attend hot spot on Bus Isolator, Line on TBC
400/220 KV 315 ICT-I DHULE	04/07/2009	09.26		Continued.	Oil filtration
400/220 KV,600 MVA ICT-I @ Kalwa	05/07/2009	10.49	05/07/2009	12.12	Disconnection of fire prot.system.
400/220KV,315MVA ICT-I at Karad	05/07/2009	11.00	05/07/2009	13.53	Oil Top Up.
400/220 KV,600 MVA ICT-II at Kalwa	05/07/2009	12.19	05/07/2009	12.31	Disconnection of fire prot.system.
400/220KV,105MVA Spare ICT-II @ Karad.	05/07/2009	15.21	05/07/2009	18.46	Wrapping of Plastic paper
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Wardha-Badnera	01/07/2009	18.42		Continued.	Retrofitting work
Karad-Wathar	02/07/2009	11.48		Continued.	Errection Of Isolator.
Akola - Badnera - II	03/07/2009	12.23	05/07/2009	18:55	Relay Retrofitting Work.
Kalwa-Mulund	04/07/2009	09.21	04/07/2009	21.42	L.A. Replacement.
220/132 KV 200 MVA T/F @ Raymond	04/07/2009	12.30	04/07/2009	15.50	R.M.Work.
Chandrapur-Warora - I	05/07/2009	09.03	05/07/2009	13.37	Replacement of Faulty Insulator String.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
HVDC Pole II Padgha	03/07/2009	21:57	04/07/2009	01.57	Attending PRV alarm.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	Tripped on Dist.Prot. Y phase
Dhabhol-N'Thane I	04/07/2009	03.42	04/07/2009	05.35	TRIPPED ON O/V
Voltage Level : 220KV			Outage Type TRIPPED		
Padgha-Jambhul-I	04/07/2009	03.16	04/07/2009	06.14	Y-Ph, LA Burst.
220/132 kv,100 MVA ICT at Bhugaon.	04/07/2009	22.45	04/07/2009	23.20	Tripped on directional O/C,IDMT.
Warora-Hinganghat	05/07/2009	09.23	05/07/2009	13.39	H/T For Control Line Loadi
Raymond-Washala	05/07/2009	14.55	05/07/2009	23.40	R Phase D'capping.
150 MVA ICT @ Amravati	05/07/2009	17.28	05/07/2009	19.30	Tripped on Bucholz.
220/33 KV T/F @ Sawantwadi	05/07/2009	17.40	05/07/2009	21.10	Tripped on Diff.Prot.

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

Position as on 6.30 Hrs of 05/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 132KV			Outage Type TRIPPED		
Paras-Akot	23/06/2009	16:45		Continued.	1 Tower Collopped.
Bhugaon - Deoli CKT.	04/07/2009	22.13	05/07/2009	02.10	Tripped ,Dist.Prot.
Voltage Level : 100KV			Outage Type TRIPPED		
Borivali-Tata-I	05/07/2009	07.37	05/07/2009	18.30	Tripped.
Borivali-Tata-II	05/07/2009	07.37	05/07/2009	11.26	Earth Wire Broken.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Jul/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	50
Unit 2	105	0
Unit 3	105	0
Unit 4	105	0
Unit 5	200	120
Unit 6	210	140
Unit 7	210	130
	1040	440
Bhusawal		
Unit 1	58	40
Unit 2	210	160
Unit 3	210	175
	478	375
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	150
Unit 4	210	150
Unit 5	210	150
Unit 6	250	0
	940	490
Chandrapur		
Unit 1	210	170
Unit 2	210	150
Unit 3	210	210
Unit 4	210	200
Unit 5	500	350
Unit 6	500	350
Unit 7	500	350
	2340	1780
Paras		
Unit 2	55	35
Unit 3	250	165
	305	200
Khaparkheda		
Unit 1	210	175
Unit 2	210	160
Unit 3	210	175
Unit 4	210	175
	840	685
Nasik		
Unit 1	120	51
Unit 2	120	71
Unit 3	210	0
Unit 4	210	182
Unit 5	210	162
	870	466
Uran		
All Units	852	470
	852	470
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	10
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	170
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	960	889
RGPPPL III	740	
	1700	889
Tata		
Trombay 4	150	0
Trombay 5	500	250
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	120
Trombay 8	250	0
TATA Hydro	444	447
	2024	1437
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2524
	3143	2524