



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/Jul/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Jul/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	96.613	2903.782	1) Madhya Pradesh	40.774	1378.262
2) Hydro	11.051	217.740	2) Gujrat	24.722	607.162
3) Gas	13.597	401.347	3) Goa	-5.712	-170.171
Total MSGENCO	121.261	3522.869	4) TAPS 1&2 (Inj.)	6.958	137.817
B) OTHERS			5) Pench (Excess)	-0.677	-9.497
1) RGPPL Gas	22.468	689.192	# Total Cent. Sector	66.065	1943.573
2) Wind Generation	16.857	522.971	F) Other Exchanges		
3) PENCH (MS)	0.677	11.155	1) With TPCL	-8.080	-150.800
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.125	831.336	1) MSEDCL Bilateral	0.616	61.696
2) TPCL Hydro	3.995	123.059	Include PX	0.000	2.020
TOTAL TPCL	31.120	954.395	2) MUMBAI Bilateral	7.215	139.017
3) REL Thermal	12.648	377.665	Include PX	2.129	51.569
D) STATE			3) MUMBAI Schedule	7.215	149.847
1) Thermal (A1+C1+C3)	136.386	4112.783	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	15.723	351.954	1) MSEDCL	219.248	6550.115
3) Gas (A3+B1)	36.065	1090.539	2) TPCL	34.345	980.015
4) Wind (B2)	16.857	522.971	3) REL	17.501	502.831
TOTAL STATE	205.031	6078.247	TOTAL STATE	271.094	8032.961

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4080	4014	3992
MSGENCO Hydro	254	1356	140
MSGENCO Gas	617	505	535
MSGENCO Total Generation	4951	5875	4667
Central Sector Receipt	2784	3040	2672
RGPPL	934	939	939
WIND	847	606	646
Exchange with TPCL	-689	-433	-94
MSEDCL DEMAND MET	8880	10027	8883
Load Shedding	2729	2927	930
MSEDCL DEMAND (INCL. LS)	11609	12954	9813
TPCL GENERATION	1490	1499	841
REL GENERATION	527	526	527
TPCL+REL DEMAND	2706	2458	1462
STATE DEMAND MET	11586	12485	10345
STATE DEMAND (INCL. LS)	14315	15412	11275
Frequency (Hz)	49.30	49.30	49.99
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3475 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			52.76 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.27 Hz at 06.02 Hrs	48.81 Hz at 22.07 Hrs	49.53	1.38 % 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 31/Jul/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	24.93	0	0	0
Unit 2	1.36	21.66	70	46	50
Unit 3	1.09	33.63	49	41	50
Unit 4	1.45	8.54	76	44	50
Unit 5	3.75	73.17	175	128	140
Unit 6	4.18	104.50	190	122	180
Unit 7	0.00	47.54	0	0	0
	11.84	313.97			470
Bhusawal					
Unit 1	1.16	24.38	54	40	45
Unit 2	3.45	79.43	160	112	140
Unit 3	4.08	108.47	192	158	170
	8.70	212.29			355
Parli					
Unit 1	0.59	14.90	27	3	20
Unit 2	0.59	17.12	27	22	20
Unit 3	4.05	64.41	179	155	160
Unit 4	0.00	79.64	0	0	0
Unit 5	4.11	115.50	180	153	170
Unit 6	0.00	0.00	0	0	0
	9.34	291.56			370
Chandrapur					
Unit 1	3.66	111.96	158	142	160
Unit 2	3.14	108.12	149	105	145
Unit 3	4.54	123.83	201	164	200
Unit 4	4.78	123.03	205	183	200
Unit 5	10.60	274.65	480	406	425
Unit 6	9.74	255.25	425	370	400
Unit 7	0.00	141.54	0	0	0
	36.46	1138.38			1530
Paras					
Unit 2	0.57	24.24	27	18	20
Unit 3	2.99	110.38	138	88	130
	3.56	134.61			150
Khaparkheda					
Unit 1	4.40	112.44	195	169	190
Unit 2	4.53	120.24	197	180	190
Unit 3	3.98	126.71	196	151	190
Unit 4	4.65	126.31	207	152	190
	17.56	485.70			760
Nasik					
Unit 1	0.00	8.17	0	0	0
Unit 2	1.24	37.27	68	40	50
Unit 3	4.11	49.11	200	149	170
Unit 4	0.00	121.82	0	0	0
Unit 5	3.81	110.89	185	148	160
	9.16	327.27			380
Uran					
All Units	13.60	401.35	626	501	580
	13.60	401.35			580
Koyna					
Stage 1-2	2.36	48.07	350	30	600
Stage 4	3.73	56.36	823	0	250
Koyna 12&4 Total	6.09	104.43			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.76	42.49	240	0	240
	7.85	146.92			1090
Hydro					
KDPH	0.95	8.58	40	39	38
VTRNA	0.12	6.28	61	0	0
TILLARI	1.32	21.71	60	2	60
BHTGR/VEER	0.24	2.75	10	10	10
BHIRA T.R.	0.48	10.76	80	0	80
RNGR+BHTSA	0.10	4.53	4	4	0
BHANDARDRA	0.00	10.58	0	0	32
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.00	5.63	0	0	0
	3.20	70.82			220
PENCH (MS)					
Pench (MS)	0.68	11.16	53	0	
	0.68	11.16			
Wind					
MalharPeth	1.12	25.91			
Vankuswadi	1.67	57.82			
ATIT	0.40	11.79			
Kale	0.14	9.33			
Satara	1.00	38.34			
Shirala	0.77	21.80			
K Mahankal	0.21	10.87			
Supa	0.38	10.95			
Vita	3.26	109.55			
Dondaicha	4.53	135.50			
Sakri	0.98	23.29			
Nandurbar	0.47	14.62			
Khadakale	1.25	31.92			
Khaparale	0.66	21.28			
	16.86	522.97			
Dabhol					
RGPP L II	22.47	689.19	942	928	890
RGPP L III	0.00	0.00	0	0	
	22.47	689.19			890
Tata					
Trombay 4	0.00	0.04	0	0	0
Trombay 5	12.00	343.14	500	500	500
Trombay 6	10.29	316.10	510	160	500
Trombay 7A	2.18	69.13	98	88	120
Trombay 7B	0.00	6.13	0	0	0
Trombay 8	2.66	96.78	151	78	80
TATA Hydro	4.00	123.06	323	2	447
	31.12	954.40			1647
REL					
1&2	12.65	377.66	529	525	500
	12.65	377.66			500
Cent Sect					
Share					2950
					2950

MS PG CL	Thermal	96.61	2903.78		4015
	Thml+Gas	110.21	3305.13		4595
	Hydro	11.05	217.74		1310
	Total	121.26	3522.87		5905
State Total		205.03	6078.25		11892

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/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	3959	541	581	5081	937	637	2623	2629	-53	-99	9238	940	10178	1732	11910	49.40
2	3914	390	520	4824	938	683	2629	2698	-53	-98	9098	939	10037	1579	11616	49.60
3	3924	195	530	4649	939	768	2629	2934	-53	-95	9248	959	10207	1491	11698	49.85
4	3992	140	535	4667	939	646	2629	2672	-53	-94	8883	930	9813	1462	11275	49.99
5	4030	145	525	4700	938	700	2629	2722	-53	-93	9020	883	9903	1462	11365	49.87
6	4054	208	585	4847	938	627	2619	3172	-53	-98	9513	1180	10693	1556	12249	49.72
7	4086	233	527	4846	937	611	2539	2690	-53	-103	9009	2546	11555	1662	13217	49.75
8	4061	174	562	4797	937	608	2537	2450	-53	-104	8698	2692	11390	1826	13216	49.71
9	4108	195	593	4896	936	583	2566	2514	-84	-136	8820	2535	11355	2097	13452	49.67
10	4115	271	625	5011	934	611	2778	2848	-397	-446	8985	2284	11269	2422	13691	49.50
11	4075	252	622	4949	934	718	2872	2775	-603	-654	8738	2837	11575	2694	14269	49.44
12	4080	254	617	4951	934	847	2924	2784	-650	-689	8880	2729	11609	2706	14315	49.30
13	4094	149	626	4869	928	733	2945	2749	-650	-672	8660	2715	11375	2688	14063	49.50
14	4072	152	620	4844	931	848	2899	2562	-579	-604	8634	2418	11052	2535	13587	49.37
15	4041	141	620	4802	932	811	2879	2576	-579	-605	8569	2379	10948	2576	13524	49.33
16	3989	187	592	4768	934	921	2823	2948	-579	-605	9019	2103	11122	2586	13708	49.50
17	3995	205	610	4810	933	884	2862	3044	-579	-604	9067	2216	11283	2552	13835	49.38
18	3999	161	619	4779	933	776	2772	2970	-487	-515	8943	2363	11306	2519	13825	49.54
19	4049	657	532	5238	935	677	2777	2934	-410	-434	9350	2457	11807	2453	14260	49.54
20	4014	1356	505	5875	939	606	2894	3040	-411	-433	10027	2927	12954	2458	15412	49.30
21	3936	1517	510	5963	940	642	2801	2785	-317	-342	9988	2708	12696	2396	15092	49.39
22	4056	1268	505	5829	940	673	2656	2528	-176	-204	9766	2631	12397	2266	14663	49.36
23	4053	1200	501	5754	942	604	2629	2611	-147	-187	9724	1614	11338	2126	13464	49.43
24	3910	1060	535	5505	940	643	2545	2427	-147	-166	9364	1198	10562	2004	12566	49.35
MUs	96.61	11.05	13.60	121.25	22.47	16.86	65.46	66.06	-7.21	-8.08	219.24	49.18	268.42	51.85	320.27	49.53

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 31/Jul/2009

Position as on 6.30 Hrs of 01/Aug/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
Parli Unit 6	250	03/06/2009	06.35		Continued.	Annual Overhaul	05/08/2009
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	10/08/2009
Nasik Unit 1	125	05/07/2009	6:15		Continued.	Annual Overhaul.	09/08/2009
Chandrapur Unit 7	500	16/07/2009	04:53		Continued.	A/OH.	16/08/2009
Cent_Sect NTPC(V-7)	500	18/07/2009	23.27		Continued.	Annual Overhaul.	20/08/2009
Koradi Unit 7	210	20/07/2009	09.57		Continued.	Annual Overhaul	10/08/2009
Koradi Unit 1	105	24/07/2009	01:20		Continued.	ANNUAL OVERHAUL	04/09/2009
Parli Unit 4	210	25/07/2009	00.58		Continued.	AOH.	20/08/2009
Koyna Unit 11	80	25/07/2009	15.30		Continued.	Stator Earth fault	25/09/2009
Cent_Sect NTPC(K-5)	500	31/07/2009	23.50		Continued.	Annual Overhaul	30/08/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	20/12/2009
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	15/02/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	25/10/2009
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Cent_Sect NTPC(V-3)	210	30/07/2009	11:18	31/07/2009	11.36	Boiler Tube Leakage.	
Uran Unit 8	108	31/07/2009	01:00	31/07/2009	03:57	R ph CT sparking.	
Uran Unit 8	108	31/07/2009	05.41	31/07/2009	06.34	Boiler damper discrepancy.	
Koyna ST - IV 3	250	31/07/2009	19.24	01/08/2009	01.08	Spherical Valve Prob.	
Parli Unit 1	30	31/07/2009	23.08	01/08/2009	07.14	UAT Tripped.	
Cent_Sect TARAPUR-3	540	01/08/2009	02.28		Continued.	Low Vaccume	03/08/2009
Uran Unit 8	108	01/08/2009	09.58	01/08/2009	10.10	Tripped on boiler protn.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Jul/2009

Position as on 6.30 Hrs of 01/Aug/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		
Kolhapur-Phonda Ckt. I	26/07/2009	09.10		Continued.	Outage.
Tillary-Phonda	26/07/2009	09.52		Continued.	Outage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	H/T FOR O/V
AKOLA-WARDHA--I	09/07/2009	06:32		Continued.	H/T FOR O/V
Dhule-Sar'Sarovar II	23/07/2009	00:18		Continued.	H/T For O/V.
Chandrapur-Bhadravati-II	23/07/2009	13.46	31/07/2009	07.25	H/T For O/V.
Kolhapur-Mapusa-II	30/07/2009	23:16	31/07/2009	13.43	H/T for O.V.
Kolhapur-Mapusa Ckt I	01/08/2009	00.33	01/08/2009	06.52	H/T For O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Collapsed.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bblswr-Padgha Ckt II	31/07/2009	08.16	31/07/2009	17.55	Q.M.Work.
400/220KV,315MVA ICT-II at BBLSR	01/08/2009	10.25	01/08/2009	14.10	B Ph.HV & LV bushing repl.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/132 KV,63 MVA,ICT-2 at Lonand.	10/07/2009	12.10		Continued.	HV C.B.Repl.,ICT on TBC
220/132 KV 63MVA T/F I at Lonand	23/07/2009	11.50		Continued.	Errection of New T/F
C'pur-Sicom-I	26/07/2009	09.50		Continued.	C.B.Replacement Work.Line on TBC.
Miraj-Vita	30/07/2009	09:45	01/08/2009	19.55	Repl. of dist. prot. Relay.
Wardha - Yawatmal	31/07/2009	10.21	31/07/2009	18.32	Retrofitting Work.
Kolhapur-Karad-IV	31/07/2009	11.08	31/07/2009	16.48	Isolator work.
220 KV AUX-BUS at Dhule	31/07/2009	13.15	31/07/2009	16.20	Exten. Of Aux.Bus Work.
Kalyani-Bhigwan	31/07/2009	14.55	31/07/2009	17.05	Relay Retrofitting Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boiser - Palghar - II	30/07/2009	11:07	31/07/2009	00:10	Retrofitting work.
Boiser - MIDC	31/07/2009	09.53	31/07/2009	21.58	Insulator Replacement.
132 KV Bus Coupler at Kanhan	31/07/2009	15.21	31/07/2009	19.09	Replacement Of O/C Relay.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
HVDC Pole I Padgha	01/08/2009	15.12	01/08/2009	16.07	PCP card failure at Padgha end.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Raymond-Washala	01/08/2009	15.25	01/08/2009	17.20	Red Hot at Loc.220 Y Ph.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	24/07/2009	06.25	31/07/2009	07.25	H/T To increase Akola ICT Load
Voltage Level : 132KV			Outage Type TRIPPED		
Parli-Gangakhed	01/08/2009	05.50	01/08/2009	06.06	Dist.Prot.R Ph.to E
KHAMGAON-WARWAT BAKAL CKT	01/08/2009	18.45	01/08/2009	19.02	Tripped on Dist.Prot. R Ph.-zone-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Aug/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	45
Unit 3	105	40
Unit 4	105	45
Unit 5	200	150
Unit 6	210	150
Unit 7	210	0
	1040	430
Bhusawal		
Unit 1	58	45
Unit 2	210	160
Unit 3	210	170
	478	375
Parli		
Unit 1	30	0
Unit 2	30	20
Unit 3	210	150
Unit 4	210	0
Unit 5	210	170
Unit 6	250	0
	940	340
Chandrapur		
Unit 1	210	155
Unit 2	210	145
Unit 3	210	200
Unit 4	210	200
Unit 5	500	425
Unit 6	500	400
Unit 7	500	0
	2340	1525
Paras		
Unit 2	55	20
Unit 3	250	130
	305	150
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	50
Unit 3	210	170
Unit 4	210	0
Unit 5	210	142
	870	362
Uran		
All Units	852	600
	852	600
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	38
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	32
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	220
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		
RGPL II	960	890
RGPL III	740	0
	1700	890
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	0
Trombay 8	250	150
TATA Hydro	444	446
	2024	1716
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2502
	3143	2502

	17616	11460
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