



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Jul/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Jul/2009 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	93.896	2005.902	1) Madhya Pradesh	46.605	909.045
2) Hydro	4.642	108.693	2) Gujrat	12.416	350.924
3) Gas	14.338	254.361	3) Goa	-5.702	-108.736
Total MSGENCO	112.876	2368.956	4) TAPS 1&2 (Inj.)	3.638	72.913
B) OTHERS			5) Pench (Excess)	-0.321	-3.168
1) RGPPL Gas	22.335	442.137	# Total Cent. Sector	56.636	1220.978
2) Wind Generation	21.809	296.966	F) Other Exchanges		
3) PENCH (MS)	0.321	3.168	1) With TPCL	-3.695	-88.066
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.262	555.395	1) MSEDCL Bilateral	0.614	48.040
2) TPCL Hydro	5.314	61.448	Include PX	0.000	1.086
TOTAL TPCL	32.576	616.843	2) MUMBAI Bilateral	4.123	82.064
3) REL Thermal	12.664	238.267	Include PX	1.927	32.017
D) STATE			3) MUMBAI Schedule	4.123	91.494
1) Thermal (A1+C1+C3)	133.822	2799.564	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	10.277	173.309	1) MSEDCL	210.282	4247.307
3) Gas (A3+B1)	36.673	696.498	2) TPCL	32.346	623.624
4) Wind (B2)	21.809	296.966	3) REL	16.588	319.554
TOTAL STATE	202.581	3966.337	TOTAL STATE	259.216	5190.485

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3801	4017	3848
MSGENCO Hydro	359	568	66
MSGENCO Gas	630	616	631
MSGENCO Total Generation	4790	5201	4545
Central Sector Receipt	2580	2531	2120
RGPPL	930	933	931
WIND	926	968	881
Exchange with TPCL	-373	-194	36
MSEDCL DEMAND MET	8853	9462	8530
Load Shedding	1579	1455	0
MSEDCL DEMAND (INCL. LS)	10432	10917	8530
TPCL GENERATION	1568	1621	863
REL GENERATION	527	528	530
TPCL+REL DEMAND	2468	2343	1357
STATE DEMAND MET	11321	11805	9887
STATE DEMAND (INCL. LS)	12900	13260	9887
Frequency (Hz)	49.51	49.38	49.78
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1951 MW at 11.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			18.07 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.17 Hz at 16.03 Hrs	48.73 Hz at 23.06 Hrs	49.47	5.09 % 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 20/Jul/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.24	22.27	79	13	50
Unit 2	1.65	11.13	73	64	70
Unit 3	1.74	20.45	80	45	70
Unit 4	0.00	0.00	0	0	0
Unit 5	2.50	50.50	137	60	90
Unit 6	2.66	64.51	151	72	120
Unit 7	1.11	47.54	131	0	110
	10.91	216.40			510
Bhusawal					
Unit 1	0.41	18.58	21	12	20
Unit 2	3.30	65.61	159	98	140
Unit 3	3.28	72.48	150	125	130
	6.99	156.67			290
Parli					
Unit 1	0.50	9.74	22	20	20
Unit 2	0.57	11.39	25	22	20
Unit 3	1.24	33.24	144	0	0
Unit 4	3.51	70.95	160	120	150
Unit 5	3.95	78.09	170	160	160
Unit 6	0.00	0.00	0	0	0
	9.77	203.41			350
Chandrapur					
Unit 1	3.55	73.60	157	143	150
Unit 2	3.45	71.34	150	138	145
Unit 3	3.24	79.39	156	107	110
Unit 4	3.78	78.31	182	149	190
Unit 5	9.61	187.47	439	369	425
Unit 6	9.25	160.84	461	347	400
Unit 7	0.00	141.54	0	0	0
	32.88	792.49			1420
Paras					
Unit 2	0.82	17.78	40	26	40
Unit 3	2.55	84.90	152	0	120
	3.37	102.68			160
Khaparkheda					
Unit 1	3.97	81.63	186	133	160
Unit 2	3.88	77.21	174	152	160
Unit 3	3.92	82.65	168	160	160
Unit 4	3.96	82.93	175	158	160
	15.72	324.42			640
Nasik					
Unit 1	0.00	8.17	0	0	0
Unit 2	2.04	20.42	96	6	85
Unit 3	3.91	18.88	180	133	170
Unit 4	4.23	85.14	178	175	180
Unit 5	4.08	77.22	174	165	170
	14.25	209.84			605
Uran					
All Units	14.34	254.36	636	422	600
	14.34	254.36			600
Koyna					
Stage 1-2	1.92	29.08	345	35	600
Stage 4	0.27	22.24	177	0	250
Kovna 12&4 Total	2.19	51.31			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.87	23.58	292	0	320
	3.06	74.89			1170
Hydro					
KDPH	0.00	1.21	0	0	0
VTRNA	0.27	4.47	61	0	60
TILLARI	0.51	12.10	60	0	60
BHTGR/VEER	0.14	0.43	6	6	6
BHIRA T.R.	0.29	5.74	80	0	80
RNGR+BHTSA		3.59	0	0	3
BHANDARDRA	0.36	1.97	34	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR		4.28			0
	1.58	33.80			209
PENCH (MS)					
Pench (MS)	0.32	3.17	24	0	
	0.32	3.17			
Wind					
MalharPeth	0.97	15.53			
Vankuswadi	2.13	33.71			
ATIT	0.40	7.40			
Kale	0.24	5.77			
Satara	2.37	22.10			
Shirala	0.76	12.74			
K Mahankal	0.13	7.49			
Supa	0.32	6.02			
Vita	4.07	71.88			
Dondaicha	6.33	68.53			
Sakri	1.09	10.72			
Nandurbar	0.89	7.77			
Khadakale	1.16	16.29			
Khaparale	0.95	11.01			
	21.81	296.97			
Dabhol					
RGPP L II	22.34	442.14	935	927	890
RGPP L III	0.00	0.00	0	0	
	22.34	442.14			890
Tata					
Trombay 4	0.00	0.04	0	0	0
Trombay 5	11.08	215.88	470	380	500
Trombay 6	9.94	201.66	510	150	500
Trombay 7A	2.36	55.51	110	85	100
Trombay 7B	0.00	6.13	0	0	0
Trombay 8	3.88	76.18	207	142	175
TATA Hydro	5.31	61.45	375	56	447
	32.58	616.84			1722
REL					
1&2	12.66	238.27	530	513	500
	12.66	238.27			500
Cent Sect					
Share					2597
					2597

MS PG CL	Thermal	93.90	2005.90		3975
	Thml+Gas	108.23	2260.26		4575
	Hydro	4.64	108.69		1379
	Total	112.88	2368.96		5954
State Total		202.58	3966.34		11663

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	3769	128	595	4492	929	740	2273	2260	3	34	8478	621	9099	1600	10699	49.32
2	3847	76	598	4521	929	870	2276	2232	3	36	8605	621	9226	1463	10689	49.45
3	3809	71	606	4486	932	869	2276	2141	3	40	8485	338	8823	1397	10220	49.75
4	3848	66	631	4545	931	881	2276	2120	3	36	8530	0	8530	1357	9887	49.78
5	3833	91	620	4544	929	900	2276	2265	3	32	8687	173	8860	1324	10184	49.36
6	3820	566	614	5000	929	894	2271	2265	3	33	9144	564	9708	1460	11168	49.20
7	3982	257	629	4868	930	884	2257	2052	3	36	8793	1327	10120	1611	11731	49.51
8	4062	122	634	4818	930	881	2253	2192	3	41	8886	1237	10123	1714	11837	49.66
9	4001	152	631	4784	928	896	2253	2326	3	36	8994	1121	10115	1955	12070	49.50
10	3917	115	636	4668	931	911	2357	2580	-255	-271	8819	1312	10131	2322	12453	49.54
11	3801	359	630	4790	930	926	2458	2580	-360	-373	8853	1579	10432	2468	12900	49.51
12	3817	238	614	4669	929	880	2537	2592	-430	-445	8625	1595	10220	2559	12779	49.36
13	3778	225	611	4614	927	899	2721	2412	-407	-423	8429	1606	10035	2559	12594	49.57
14	3795	85	590	4470	927	887	2705	2318	-300	-318	8284	1421	9705	2411	12116	49.47
15	3798	81	579	4458	930	910	2710	2328	-330	-352	8274	1065	9339	2468	11807	49.58
16	3875	121	566	4562	928	944	2710	2358	-327	-348	8444	215	8659	2457	11116	49.71
17	3926	58	540	4524	932	958	2708	2515	-327	-351	8578	119	8697	2435	11132	49.67
18	4012	89	578	4679	933	866	2701	2605	-307	-278	8805	119	8924	2356	11280	49.56
19	3985	148	619	4752	933	1007	2687	2673	-279	-245	9140	470	9610	2308	11918	49.53
20	4017	568	616	5201	933	968	2648	2531	-226	-194	9462	1455	10917	2343	13260	49.38
21	4066	559	609	5234	933	919	2598	2352	-179	-132	9329	1597	10926	2273	13199	49.23
22	4082	240	606	4928	933	1051	2587	2334	-179	-133	9137	1502	10639	2159	12798	49.15
23	4045	142	564	4751	934	944	2576	2336	-138	-93	8895	1125	10020	2014	12034	49.21
24	4010	85	422	4517	935	927	2542	2269	-109	-63	8608	835	9443	1922	11365	49.24
MUs	93.90	4.64	14.34	112.88	22.34	21.81	59.66	56.64	-4.12	-3.70	210.28	22.02	232.30	48.94	281.24	49.47

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 20/Jul/2009

Position as on 6.30 Hrs of 21/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
Parli Unit 6	250	03/06/2009	06.35		Continued.	Annual Overhaul	20/07/2009
Cent_Sect Tarapur 2	80	16/06/2009	22:10		Continued.	Refueling Outage.	30/07/2009
Nasik Unit 1	125	05/07/2009	6:15		Continued.	Annual Overhaul.	09/08/2009
Parli Unit 3	210	10/07/2009	13.43	20/07/2009	01.58	P.A. Fan Tripped.	20/07/2009
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	
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	
Cent_Sect Kawas ST1C	116	03/06/2009	16:33		Continued.	Bearing Temp. High	27/07/2009
Koradi Unit 4	115	28/06/2009	14.18		Continued.	Coal Bunkering problem.	22/07/2009
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	10/08/2009
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Paras Unit 3	250	19/07/2009	23.00	20/07/2009	05.54	Flame Failure	
Uran Unit 8	108	20/07/2009	22.52	21/07/2009	22.07	Withdrawn	
Bhusawal Unit 1	58	21/07/2009	00.27		Continued.	Withdrawn	
Parli Unit 5	210	21/07/2009	00.29		Continued.	Withdrawn	
Paras Unit 2	55	21/07/2009	00.32		Continued.	Withdrawn	
Parli Unit 1	30	21/07/2009	01.04		Continued.	Withdrawn	
Parli Unit 3	210	21/07/2009	01.04		Continued.	Withdrawn	
Parli Unit 4	210	21/07/2009	01.06		Continued.	Withdrawn	
Nasik Unit 3	210	21/07/2009	01.10		Continued.	Withdrawn	
Koradi Unit 2	105	21/07/2009	02.13		Continued.	Withdrawn	
Khaparkheda Unit 1	210	21/07/2009	06.36	21/07/2009	23.23	Withdrawn	
Khaparkheda Unit 2	210	21/07/2009	06.37	21/07/2009	20.53	Withdrawn	
Khaparkheda Unit 4	210	21/07/2009	06.47		Continued.	Withdrawn	
Bhusawal Unit 2	210	21/07/2009	10.10		Continued.	Withdrawn	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jul/2009

Position as on 6.30 Hrs of 21/Jul/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		
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	16/07/2009	20.48	21/07/2009	19.22	H/T For O/V.
Kolhapur-Mapusa-II	19/07/2009	23.35		Continued.	H/T for Over Voltage
DHULE-SAR'SAROVAR-I	21/07/2009	07.30	21/07/2009	19.21	H/T for O/V
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Collapsed.
Voltage Level : 220KV			Outage Type TRIPPED		
Boiser-Taps	21/07/2009	02.40	21/07/2009	18.34	B phase VT Fuse blow out
KALMESHWAR-PANDURNA	21/07/2009	04.15	21/07/2009	15.15	Tripped
IntraState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Nasik-Bablsr Ckt I	09/07/2009	09:45		Continued.	CKT on TBC,for Main Breaker Replacement.
220/132 KV,63 MVA,ICT-2 at Lonand.	10/07/2009	12.10		Continued.	HV C.B.Repl.(ICT is on TBC)
Bus Coupler at Khaparkheda	16/07/2009	11.57		Continued.	C.B.O/H Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Lonikand-Bhosari	20/07/2009	10.19	20/07/2009	17.15	Repairing of damaged conductor
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 315 MVA ICT at Akola	16/07/2009	14.37	20/07/2009	08.58	LV CB H/T
400/220KV,315MVA ICT-II at BBLSR	18/07/2009	01.33		Continued.	H/T H V Side & L V Side Breakers due to fire in cable.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
BBLSR-RANJANGAON	18/07/2009	06.02		Continued.	To Control ICT Loading.
Parli-Osmanabad	21/07/2009	05.55		Continued.	H/T to control Girwali ICT Load
Koradi-Butibori	21/07/2009	06.40		Continued.	To control Koradi ICT Loading
Wardha--Dhamangaon	21/07/2009	18.57		Continued.	To control Koradi ICT Loading
Wardha-Badnera	21/07/2009	18.58		Continued.	to control Koradi ICT Loading
Ambazari-Amravati	21/07/2009	18.58	21/07/2009	21.20	To control Koradi ICT Loading
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC Pole-I	21/07/2009	02.08	21/07/2009	05.31	POLE-I Blocked
HVDC POLE - II	21/07/2009	02.08	21/07/2009	05.31	POLE-II Blocked
HVDC Pole-I	21/07/2009	07.15	21/07/2009	10.21	POLE-I Blocked
HVDC POLE - II	21/07/2009	07.15	21/07/2009	10.21	POLE-II Blocked
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand- Koyna Stage IV	21/07/2009	08.59	21/07/2009	16.04	Tripped on Distance Prot. B phase-E

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Jul/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	0
Unit 3	105	0
Unit 4	105	0
Unit 5	200	0
Unit 6	210	130
Unit 7	210	0
	1040	130
Bhusawal		
Unit 1	58	0
Unit 2	210	110
Unit 3	210	110
	478	220
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
	940	0
Chandrapur		
Unit 1	210	110
Unit 2	210	135
Unit 3	210	130
Unit 4	210	125
Unit 5	500	325
Unit 6	500	325
Unit 7	500	0
	2340	1150
Paras		
Unit 2	55	0
Unit 3	250	160
	305	160
Khaparkheda		
Unit 1	210	170
Unit 2	210	160
Unit 3	210	155
Unit 4	210	150
	840	635
Nasik		
Unit 1	120	0
Unit 2	120	90
Unit 3	210	0
Unit 4	210	170
Unit 5	210	170
	870	430
Uran		
All Units	852	315
	852	315
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	9
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	60
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	269
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	890
RGPPPL III	740	
	1700	890
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	0
Trombay 8	250	175
TATA Hydro	444	447
	2024	1722
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2576
	3143	2576

	17616	10167
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