



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Jul/2009

State Load Dispatch Center,Airoli (MSETCL)
Daily system Report for 25/Jul/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	88.557	2378.398	1) Madhya Pradesh	39.230	1120.792
2) Hydro	7.338	161.453	2) Gujrat	22.372	455.767
3) Gas	13.551	316.099	3) Goa	-5.785	-137.390
Total MSGENCO	109.446	2855.950	4)TAPS 1&2 (Inj.)	5.975	99.233
B) OTHERS			5)Pench (Excess)	-1.009	-5.592
1) RGPPL Gas	22.433	554.393	# Total Cent. Sector	60.783	1532.810
2) Wind Generation	21.220	403.351	F) Other Exchanges		
3) PENCH (MS)	1.009	7.250	1) With TPCL	-5.355	-107.673
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	22.761	688.261	1) MSEDCL Bilateral	0.614	58.003
2) TPCL Hydro	6.689	90.712	Include PX	0.000	2.020
TOTAL TPCL	29.450	778.973	2) MUMBAI Bilateral	3.572	101.825
3) REL Thermal	12.641	301.684	Include PX	1.401	40.378
D) STATE			3) MUMBAI Schedule	3.572	111.255
1) Thermal (A1+C1+C3)	123.959	3368.343	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	15.036	259.415	1) MSEDCL	209.536	5253.331
3) Gas (A3+B1)	35.984	870.492	2) TPCL	31.025	785.463
4) Wind (B2)	21.220	403.351	3) REL	16.422	402.861
TOTAL STATE	196.199	4901.601	TOTAL STATE	256.983	6441.655

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3582	3760	3634
MSGENCO Hydro	266	640	174
MSGENCO Gas	625	605	554
MSGENCO Total Generation	4473	5005	4362
Central Sector Receipt	2626	2986	2071
RGPPL	935	933	934
WIND	903	952	736
Exchange with TPCL	-450	-342	-10
MSEDCL DEMAND MET	8539	9586	8145
Load Shedding	1365	1910	0
MSEDCL DEMAND (INCL. LS)	9904	11496	8145
TPCL GENERATION	1435	1391	869
REL GENERATION	528	526	529
TPCL+REL DEMAND	2413	2259	1408
STATE DEMAND MET	10952	11845	9553
STATE DEMAND (INCL. LS)	12317	13755	9553
Frequency (Hz)	49.74	49.35	49.65
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1879 MW at 20.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			18.02 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.16 Hz at 18.00 Hrs	48.79 Hz at 20.09 Hrs	49.57	1.16 % 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 25/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	0.58	14.16	74	0	70
Unit 3	1.32	25.58	68	37	60
Unit 4	1.15	2.94	72	25	70
Unit 5	4.08	64.88	179	143	170
Unit 6	4.43	80.87	193	176	170
Unit 7	0.00	47.54	0	0	0
	11.55	260.90			540
Bhusawal					
Unit 1	0.33	20.31	21	0	20
Unit 2	0.00	68.29	0	0	0
Unit 3	3.22	87.66	168	102	170
	3.55	176.26			190
Parli					
Unit 1	0.53	11.58	24	21	20
Unit 2	0.55	13.61	26	20	20
Unit 3	3.38	46.26	158	117	150
Unit 4	0.05	79.64	49	0	0
Unit 5	3.64	91.92	165	140	150
Unit 6	0.00	0.00	0	0	0
	8.16	243.01			340
Chandrapur					
Unit 1	3.41	89.53	157	125	155
Unit 2	3.39	87.26	149	126	145
Unit 3	3.98	96.84	191	144	200
Unit 4	4.14	95.74	200	140	180
Unit 5	9.05	214.52	406	340	425
Unit 6	8.76	198.00	421	285	400
Unit 7	0.00	141.54	0	0	0
	32.74	923.44			1505
Paras					
Unit 2	1.00	20.71	46	37	34
Unit 3	1.06	92.00	123	0	0
	2.05	112.71			34
Khaparkheda					
Unit 1	4.32	98.61	189	159	180
Unit 2	4.34	94.58	188	172	180
Unit 3	4.38	99.41	183	180	180
Unit 4	4.40	98.90	189	179	180
	17.44	391.49			720
Nasik					
Unit 1	0.00	8.17	0	0	0
Unit 2	1.83	29.23	89	56	80
Unit 3	3.68	32.16	185	122	170
Unit 4	3.94	105.14	179	150	170
Unit 5	3.62	95.88	174	120	160
	13.07	270.58			580
Uran					
All Units	13.55	316.10	631	485	620
	13.55	316.10			620
Koyna					
Stage 1-2	1.42	37.52	200	30	600
Stage 4	0.94	40.60	362	0	250
Koyna 12&4 Total	2.36	78.12			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.97	33.15	220	0	240
	3.33	111.27			1090
Hydro					
KDPH	0.95	2.92	40	39	0
VTRNA	0.14	5.82	61	0	60
TILLARI	1.16	16.85	60	0	60
BHTGR/VEER	0.22	0.86	9	9	0
BHIRA T.R.	0.48	8.06	80	0	80
RNGR+BHTSA	0.11	3.92	5	4	0
BHANDARDRA	0.95	6.40	40	39	34
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.00	5.35	0	0	0
	4.01	50.18			234
PENCH (MS)					
Pench (MS)	1.01	7.25	52	25	
	1.01	7.25			
Wind					
MalharPeth	0.91	19.79			
Vankuswadi	2.17	44.98			
ATIT	0.33	9.19			
Kale	0.24	8.08			
Satara	0.88	28.69			
Shirala	0.78	17.20			
K Mahankal	1.17	9.14			
Supa	0.90	8.64			
Vita	3.94	90.48			
Dondaicha	5.88	100.88			
Sakri	1.13	16.22			
Nandurbar	0.56	11.08			
Khadakale	0.47	22.42			
Khaparale	1.87	16.58			
	21.22	403.35			
Dabhol					
RGPP L II	22.43	554.39	938	931	890
RGPP L III	0.00	0.00	0	0	
	22.43	554.39			890
Tata					
Trombay 4	0.00	0.04	0	0	0
Trombay 5	11.05	271.40	480	400	500
Trombay 6	10.84	252.13	510	220	500
Trombay 7A	0.02	64.90	22	0	0
Trombay 7B	0.00	6.13	0	0	0
Trombay 8	0.85	93.65	156	0	175
TATA Hydro	6.69	90.71	475	56	447
	29.45	778.97			1622
REL					
1&2	12.64	301.68	531	507	500
	12.64	301.68			500
Cent Sect					
Share					2898
					2898

MS PG CL	Thermal	88.56	2378.40		3909
	Thml+Gas	102.11	2694.50		4529
	Hydro	7.34	161.45		1324
	Total	109.45	2855.95		5853
State Total		196.20	4901.60		11763

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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	3621	206	512	4339	937	732	2579	2420	5	-2	8478	0	8478	1619	10097	49.54
2	3554	172	512	4238	937	877	2511	2496	5	1	8601	0	8601	1478	10079	49.54
3	3578	165	516	4259	937	862	2442	2312	5	-6	8416	0	8416	1419	9835	49.76
4	3600	179	548	4327	936	821	2442	2126	5	-7	8255	0	8255	1399	9654	49.85
5	3634	174	554	4362	934	736	2442	2071	5	-10	8145	0	8145	1408	9553	49.65
6	3685	249	614	4548	934	685	2442	2457	5	-13	8663	195	8858	1519	10377	49.50
7	3733	268	631	4632	934	683	2445	2556	5	-13	8844	721	9565	1548	11113	49.53
8	3745	185	625	4555	935	618	2448	2645	5	-21	8784	884	9668	1674	11342	49.60
9	3685	190	610	4485	936	848	2448	2333	5	-69	8585	1171	9756	1925	11681	49.75
10	3647	271	623	4541	934	829	2475	2551	-217	-385	8522	1123	9645	2251	11896	49.52
11	3582	266	625	4473	935	903	2567	2626	-319	-450	8539	1365	9904	2413	12317	49.74
12	3557	266	620	4443	938	895	2620	2758	-347	-479	8607	1246	9853	2461	12314	49.43
13	3636	244	605	4485	931	772	2634	2566	-347	-476	8330	1216	9546	2436	11982	49.66
14	3678	190	564	4432	935	1043	2587	2228	-253	-383	8281	631	8912	2291	11203	49.77
15	3698	205	530	4433	933	1089	2540	2381	-253	-384	8478	167	8645	2310	10955	49.58
16	3741	186	485	4412	933	1042	2540	2545	-253	-384	8574	360	8934	2267	11201	49.61
17	3725	191	511	4427	935	1043	2540	2582	-253	-385	8628	912	9540	2257	11797	49.81
18	3699	233	540	4472	935	1011	2559	2522	-241	-324	8641	1047	9688	2190	11878	49.57
19	3789	314	576	4679	934	971	2552	2925	-268	-337	9197	1511	10708	2188	12896	49.53
20	3760	640	605	5005	933	952	2784	2986	-268	-342	9586	1910	11496	2259	13755	49.35
21	3785	977	598	5360	936	964	2896	2792	-219	-279	9825	1719	11544	2205	13749	49.35
22	3813	794	568	5175	935	884	2847	2557	-178	-240	9336	1646	10982	2137	13119	49.25
23	3806	516	490	4812	933	1027	2822	2749	-142	-201	9345	1211	10556	1962	12518	49.42
24	3768	257	489	4514	933	933	2793	2597	-61	-166	8836	916	9752	1830	11582	49.44
MUs	88.52	7.34	13.55	109.41	22.43	21.22	61.96	60.78	-3.57	-5.36	209.50	19.95	229.45	47.45	276.89	49.57

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 25/Jul/2009

Position as on 6.30 Hrs of 26/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	28/07/2009
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	
Koradi Unit 1	105	24/07/2009	01:20		Continued.	ANNUAL OVERHAUL	04/09/2009
Tata Trombay 7A	120	25/07/2009	00.21		Continued.	Gas path inspection.	29/07/2009
Parli Unit 4	210	25/07/2009	00.58		Continued.	AOH.	20/08/2009
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	
Paras Unit 3	250	23/07/2009	03.41	25/07/2009	12.32	Coal Bunkering Problem	
Cent_Sect Kawas GT1A	106	24/07/2009	09.42		Continued.	Low demand.	
Cent_Sect Gandhar U3	144	24/07/2009	10.41		Continued.	Low demand.	
Bhusawal Unit 2	210	24/07/2009	11.55		Continued.	Boiler Tube Leakage.	
Tata Trombay 8	250	25/07/2009	07.48	26/07/2009	06.08	Condenser Low vacume.	
Koradi Unit 4	115	26/07/2009	02.55		Continued.	Coal Bunkering Problem.	30/07/2009
Nasik Unit 3	210	26/07/2009	07.30	26/07/2009	10.20	Coal Bunkering Problem.	29/07/2009
Khaparkheda Unit 1	210	26/07/2009	11.01		Continued.	Boiler Tube Leakage.	29/07/2009
Tata Trombay 8	250	26/07/2009	12.20		Continued.	Furnance Pressure Low.	28/07/2009
Nasik Unit 5	210	26/07/2009	19.08		Continued.	L B B Operated At Nasik GCR.	30/07/2009
Koradi Unit 5	200	26/07/2009	22.22		Continued.	Boiler Tube Leakage.	29/07/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Jul/2009

Position as on 6.30 Hrs of 26/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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
Kolhapur-Mapusa Ckt I	22/07/2009	13:13	25/07/2009	13.24	H/T for O/V.
Chandrapur-Bhadravati-II	23/07/2009	13.46		Continued.	H/T For O/V.
DHULE-SAR'SAROVAR-I	25/07/2009	02.05	25/07/2009	09.38	For O/V.
Kolhapur-Mapusa-II	25/07/2009	23.23	26/07/2009	01.58	H/T For O/V.
Kolhapur-Mapusa Ckt I	26/07/2009	02.02	26/07/2009	08.50	Relay heating problem.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Colloped.
Dhule-Sar'Sarovar II	23/07/2009	00:18		Continued.	H/T For O/V.
Kolhapur-Mapusa Ckt I	26/07/2009	20.05	26/07/2009	23.13	Distance Protection,Y,B To Earth.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV, 315MVA ICT-I @ New Koyna.	25/07/2009	11.40	25/07/2009	17.50	SMS Work, ICT On TBC.
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 on TBC
Bus Coupler at Khaparkheda	16/07/2009	11.57		Continued.	C.B.O/H Work.
Miraj-Vita	23/07/2009	11.24	25/07/2009	19.50	Commissioning of dist.Prot Relay.
220/132 KV 63MVA T/F I at Lonand	23/07/2009	11.50		Continued.	Errection of New T/F
220/132,200MVA Tr.-2 @ A' Nager	25/07/2009	09.30	25/07/2009	17.20	Retrofitting Work.
C'pur-Sicom-I	26/07/2009	09.50		Continued.	C.B.Replacement Work.Line on TBC.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
132 KV Dhule-Dhule Ckt.	25/07/2009	10.35	25/07/2009	16.50	Y Ph.C.T. Replacement.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,315MVA ICT-II at BBLSR	18/07/2009	01.33	25/07/2009	16.31	H/T H V Side & L V Side Breakers due to fire in cable.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	24/07/2009	06.25		Continued.	H/T To increase Akola ICT Load
Wardha--Dhamangaon	24/07/2009	06.26		Continued.	H/T To increase Akola ICT load.
Pusad - Parbhani	25/07/2009	06.19	25/07/2009	17.56	H/T to control loading of Pusad-Bhugaon
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Amravati-Morshi Ckt.	24/07/2009	21.15		Continued.	On TBC.
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Jul/2009

Position as on 6.30 Hrs of 26/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
400/220kv 315MVA ICT-II at Karad.	26/07/2009	11.17	26/07/2009	12.23	NDR,PDR L V Breaker.
Voltage Level : 220KV			Outage Type TRIPPED		
K'gaon-Lonand	25/07/2009	15.02	25/07/2009	15.27	Trip, Y to E.
220/6.6 KV 40 MVA Station T/F- I @ Kaparkheda	26/07/2009	09.28	26/07/2009	10.22	Earth Fault.
Miraj-Vita	26/07/2009	10.55	26/07/2009	17.35	Bus bar Protection operated.
Karad - Vita - I	26/07/2009	10.55	26/07/2009	14.40	Bus bar Protection Operated.
Karad-Vita-II	26/07/2009	10.55	26/07/2009	14.35	Bus Bar Protection Operated.
Vita - Karkambh	26/07/2009	10.55	26/07/2009	13.50	Bus Bar Protection Operated.
VITA-PANDHARPUR	26/07/2009	10.55	26/07/2009	15.13	Bus Bar Protection Operated.
Vita-Maisal	26/07/2009	10.55	26/07/2009	14.40	Bus Bar Protection Operated.
Vita - Ghatnandre	26/07/2009	10.55	26/07/2009	15.15	Bus Bar Protecton Operated.
LAMBOTI-PANDHARPUR	26/07/2009	12.56	26/07/2009	14.00	Tripped.
Kolhapur - Peth	26/07/2009	15.25	26/07/2009	20.47	Distance Protection.
Nasik-Bablswr Ckt II	26/07/2009	19.08		Continued.	Distance Protection.
Ghatghar-Nasik	26/07/2009	19.08	26/07/2009	21.08	L B B Operated.
Bus-Sect.III at Nasik	26/07/2009	19.08	26/07/2009	20.36	L B B Operated.
Bus Section - II @ Nasik	26/07/2009	19.08	26/07/2009	20.42	L B B Operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Jul/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	0
Unit 3	105	70
Unit 4	105	0
Unit 5	200	170
Unit 6	210	170
Unit 7	210	0
	1040	410
Bhusawal		
Unit 1	58	20
Unit 2	210	0
Unit 3	210	150
	478	170
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	150
Unit 4	210	0
Unit 5	210	150
Unit 6	250	0
	940	340
Chandrapur		
Unit 1	210	150
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	1520
Paras		
Unit 2	55	35
Unit 3	250	100
	305	135
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
	840	680
Nasik		
Unit 1	120	0
Unit 2	120	80
Unit 3	210	170
Unit 4	210	170
Unit 5	210	160
	870	580
Uran		
All Units	852	620
	852	620
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	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	4
BHANDARDRA	45	30
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	234
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	960	890
RGPL III	740	
	1700	890
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	190
TATA Hydro	444	447
	2024	1637
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2855
	3143	2855