



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Sep/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	103.857	201.299	1) Madhya Pradesh	57.674	115.433
2) Hydro	3.500	11.550	2) Gujrat	12.090	30.711
3) Gas	15.883	30.826	3) Goa	-5.216	-10.960
Total MSGENCO	123.240	243.675	4) TAPS 1&2 (Inj.)	7.288	14.574
B) OTHERS			5) Pench (Excess)	-0.137	-1.158
1) RGPPL Gas	23.098	46.042	# Total Cent. Sector	71.699	148.600
2) Wind Generation	8.530	13.742	F) Other Exchanges		
3) PENCH (MS)	0.137	1.158	1) With TPCL	-5.657	-12.519
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.633	60.785	1) MSEDCL Bilateral	6.740	11.793
2) TPCL Hydro	2.785	6.240	Include PX	1.231	2.941
TOTAL TPCL	33.418	67.025	2) MUMBAI Bilateral	6.700	14.739
3) REL Thermal	12.607	25.239	Include PX	0.000	-0.694
D) STATE			3) MUMBAI Schedule	6.700	14.739
1) Thermal (A1+C1+C3)	147.097	287.323	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	6.422	18.948	1) MSEDCL	221.047	440.698
3) Gas (A3+B1)	38.981	76.868	2) TPCL	34.356	69.552
4) Wind (B2)	8.530	13.742	3) REL	17.323	35.227
TOTAL STATE	201.030	396.881	TOTAL STATE	272.726	545.477

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	4307	4392	4344
MSGENCO Hydro	177	566	63
MSGENCO Gas	658	664	667
MSGENCO Total Generation	5142	5622	5074
Central Sector Receipt	2933	3412	2420
RGPPL	960	964	963
WIND	378	324	381
Exchange with TPCL	-514	-286	40
MSEDCL DEMAND MET	8899	10046	8878
Load Shedding	1617	2139	137
MSEDCL DEMAND (INCL. LS)	10516	12185	9015
TPCL GENERATION	1552	1699	1040
REL GENERATION	525	525	526
TPCL+REL DEMAND	2591	2510	1526
STATE DEMAND MET	11490	12556	10404
STATE DEMAND (INCL. LS)	13107	14695	10541
Frequency (Hz)	49.33	49.43	49.70
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2161 MW at 19.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			23.05 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.2 Hz at 07.07 Hrs	48.79 Hz at 19.09 Hrs	49.64	1.97 % 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 02/Sep/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	0.58	0.74	66	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	1.58	2.76	73	51	70
Unit 5	0.22	0.22	72	0	0
Unit 6	3.41	6.10	152	130	130
Unit 7	3.44	6.58	162	122	150
	9.22	16.41			350
Bhusawal					
Unit 1	0.96	1.97	48	31	50
Unit 2	1.36	5.17	157	0	160
Unit 3	4.44	8.88	195	175	180
	6.75	16.02			390
Parli					
Unit 1	0.60	1.20	26	23	20
Unit 2	0.60	1.19	26	22	20
Unit 3	3.97	8.03	175	150	170
Unit 4	1.13	1.13	69	0	50
Unit 5	3.92	7.73	178	146	170
Unit 6	4.99	9.63	232	157	220
	15.21	28.91			650
Chandrapur					
Unit 1	3.41	6.58	158	76	150
Unit 2	2.77	5.20	120	105	105
Unit 3	3.12	5.03	154	88	150
Unit 4	4.25	7.13	192	169	180
Unit 5	7.75	14.31	385	270	400
Unit 6	7.88	13.51	375	236	300
Unit 7	7.07	14.59	343	241	300
	36.26	66.35			1585
Paras					
Unit 2	0.00	0.66	0	0	0
Unit 3	2.24	5.20	136	0	160
	2.24	5.86			160
Khaparkheda					
Unit 1	4.60	9.14	207	170	195
Unit 2	4.34	8.64	192	165	170
Unit 3	4.89	9.32	214	178	195
Unit 4	4.59	9.48	210	161	195
	18.41	36.57			755
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.96	3.82	94	56	85
Unit 3	4.74	9.42	206	179	200
Unit 4	4.68	9.20	204	190	190
Unit 5	4.39	8.74	193	172	180
	15.77	31.18			655
Uran					
All Units	15.88	30.83	668	654	650
	15.88	30.83			650
Koyna					
Stage 1-2	1.22	3.46	100	35	600
Stage 4	0.00	2.47	0	0	250
Kovna 12&4 Total	1.22	5.92			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.52	1.91	230	0	240
	1.74	7.84			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.28	0.28	61	0	0
TILLARI	0.41	0.84	58	0	60
BHTGR/VEER	0.48	0.95	20	20	10
BHIRA T.R.	0.32	0.77	81	0	80
RNGR+BHTSA	0.09	0.17	4	3	4
BHANDARDRA	0.06	0.06	38	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.11	12	0	10
GHATGHAR	0.06	0.53	60	0	0
	1.76	3.71			164
PENCH (MS)					
Pench (MS)	0.14	1.16	27	0	0
	0.14	1.16			0
Wind					
MalharPeth	0.45	0.78			
Vankuswadi	0.95	1.68			
ATIT	0.14	0.24			
Kale	0.05	0.10			
Satara	0.85	1.11			
Shirala	0.22	0.35			
K Mahankal	0.03	1.22			
Supa	0.08	0.12			
Vita	0.93	1.65			
Dondaicha	3.06	4.04			
Sakri	0.52	0.71			
Nandurbar	0.42	0.54			
Khadakale	0.33	0.45			
Khaparale	0.49	0.75			
	8.53	13.74			
Dabhol					
RGPP L II	23.10	46.04	965	956	895
RGPP L III	0.00	0.00	0	0	0
	23.10	46.04			895
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.08	24.14	505	495	500
Trombay 6	10.91	21.37	510	230	500
Trombay 7A	2.30	4.59	109	78	100
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.34	10.68	226	220	220
TATA Hydro	2.78	6.24	354	0	447
	33.42	67.02			1767
REL					
1&2	12.61	25.24	529	507	500
	12.61	25.24			500
Cent Sect					
Share					3320
					3320

MS PG CL	Thermal	103.86	201.30		4545
	Thml+Gas	119.74	232.12		5195
	Hydro	3.50	11.55		1254
	Total	123.24	243.68		6449
State Total		201.03	396.88		12931

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/Sep/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	4079	68	665	4812	965	248	2995	2894	-7	44	8990	451	9441	1850	11291	49.74
2	4161	58	666	4885	964	314	2886	2709	-17	36	8934	455	9389	1681	11070	49.76
3	4285	63	666	5014	964	337	2886	2587	-17	38	8950	276	9226	1598	10824	49.86
4	4344	63	667	5074	963	381	2886	2420	-17	40	8878	137	9015	1526	10541	49.70
5	4322	68	667	5057	964	393	2887	2683	-17	37	9134	0	9134	1530	10664	49.57
6	4393	113	668	5174	964	429	2888	2982	-17	30	9579	340	9919	1608	11527	49.59
7	4448	69	667	5184	963	409	2849	2575	-17	27	9158	1271	10429	1736	12165	49.85
8	4461	69	668	5198	963	466	2935	2433	-17	30	9090	1303	10393	1813	12206	49.87
9	4387	115	666	5168	963	334	2946	2477	-31	17	8959	1344	10303	2057	12360	49.66
10	4375	136	662	5173	962	374	3302	2959	-479	-442	9026	1415	10441	2404	12845	49.59
11	4307	177	658	5142	960	378	3377	2933	-553	-514	8899	1617	10516	2591	13107	49.33
12	4232	165	655	5052	960	383	3375	3052	-553	-526	8921	1491	10412	2646	13058	49.35
13	4300	106	656	5062	956	347	3374	3129	-553	-520	8974	1437	10411	2586	12997	49.29
14	4373	64	658	5095	959	336	3373	3022	-553	-517	8895	1395	10290	2464	12754	49.34
15	4417	74	662	5153	964	341	3371	2967	-553	-514	8911	1424	10335	2516	12851	49.72
16	4406	64	667	5137	962	419	3373	3002	-553	-519	9001	1208	10209	2506	12715	49.66
17	4342	69	659	5070	962	365	3373	3291	-535	-519	9169	1209	10378	2505	12883	49.72
18	4321	138	660	5119	963	381	3282	3340	-448	-430	9373	1385	10758	2456	13214	49.84
19	4345	230	658	5233	963	370	3216	3431	-316	-288	9719	1816	11535	2460	13995	49.66
20	4392	566	664	5622	964	324	3321	3412	-316	-286	10046	2139	12185	2510	14695	49.43
21	4385	568	658	5611	964	286	3324	3355	-316	-254	9989	1861	11850	2372	14222	49.56
22	4314	303	654	5271	963	299	3324	3442	-316	-253	9749	1857	11606	2212	13818	49.63
23	4271	81	662	5014	961	310	3286	3342	-277	-216	9411	1101	10512	2110	12622	49.87
24	4201	73	655	4929	962	313	3228	3258	-221	-158	9304	0	9304	1945	11249	49.74
MUs	103.86	3.50	15.89	123.25	23.10	8.54	76.06	71.70	-6.70	-5.66	221.06	26.93	247.99	51.68	299.67	49.64

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 02/Sep/2009

Position as on 6.30 Hrs of 03/Sep/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
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	08/09/2009
Nasik Unit 1	125	05/07/2009	6:15		Continued.	Generator Rotor Problem	30/09/2009
Koradi Unit 1	105	24/07/2009	01:20		Continued.	ANNUAL OVERHAUL	10/09/2009
Parli Unit 4	210	25/07/2009	00.58	02/09/2009	02.05	AOH.	
Koyna Unit 11	80	25/07/2009	15.30		Continued.	To attend Stator Earth Fault	25/09/2009
Cent_Sect NTPC(V-3)	210	25/08/2009	00.25		Continued.	A/OH	26/09/2009
Cent_Sect NTPC(K-1)	210	27/08/2009	23.55		Continued.	AOH	28/09/2009
Bhusawal Unit 2	210	02/09/2009	10.08		Continued.	Annual Overhaul.	16/10/2009
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	
Koradi Unit 3	105	26/08/2009	01.13		Continued.	Generator Rotor E/F	06/09/2009
Koradi Unit 5	200	31/08/2009	12.11	02/09/2009	18.44	CHP Problem.	
Koradi Unit 2	105	01/09/2009	04.43	02/09/2009	13.49	Wet Coal Problem.	
Paras Unit 2	55	01/09/2009	18.50		Continued.	Reverse Power Protection	05/09/2009
Paras Unit 3	250	02/09/2009	16.55	02/09/2009	18.49	Due to LT supply trip.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Sep/2009

Position as on 6.30 Hrs of 03/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Satpur	02/09/2009	10.58	02/09/2009	22.01	Reactor Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Koradi-Satpur	03/09/2009	16.00	03/09/2009	20.29	R phase Insulator sparking at satpur end
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	H/T FOR O/V
Akola - Wardha - I	01/09/2009	01.44		Continued.	Hand Tripped for Over Voltage.
Kolhapur-Mapusa Ckt I	01/09/2009	23.45	02/09/2009	17.39	H/T for O/V
Dhule-S'Sarovar I	02/09/2009	01.31		Continued.	H/T for O/V
Kolhapur-Mapusa-II	03/09/2009	00.07	03/09/2009	11.24	H/T for O/V
Kolhapur-Mapusa Ckt I	03/09/2009	21.51		Continued.	H/T due to O/V
Voltage Level : 400KV			Outage Type TRIPPED		
Seoni - Wardha	01/09/2009	01.44		Continued.	Tripped on Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV N'koyna-Bus Coupler	02/09/2009	06.16	02/09/2009	11.03	Oil Filtration work.
400/220 KV,315 MVA ICT-II at Chandrapur	02/09/2009	09.38	02/09/2009	15.37	Testing work.
400 KV M.B.2 At Lamboti.	02/09/2009	11.53	02/09/2009	16.59	Q.M.work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Karad - Ogalewadi - II	17/08/2009	07.20		Continued.	C.B.Replacement.Breaker on TBC at Ogalewadi
Kandalgaon-Lonand	26/08/2009	16.04	02/09/2009	12.32	Line on TBC at Lonand end(CB Prob)
Nasik TBC	28/08/2009	08.45		Continued.	Breaker replacement.
220/100 KV,125 MVA ICT-III at Trombay S/S.	31/08/2009	09.32		Continued.	Replacement of Relay Panels & Control Panels.
PADGHA-JINDAL	02/09/2009	09.20	02/09/2009	18.24	R.M. work.
220/132 KV,100 MVA ICT-I At Kalmeshwar	02/09/2009	10.02	02/09/2009	12.47	Q.M. Work.
Koradi-Ambazari ckt - II	02/09/2009	10.05	02/09/2009	13.13	Line isolator allignment work.
Karad-Vita-II	03/09/2009	10.35	03/09/2009	16.40	Insulator Replacement
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Yavatmal-Pusad	03/09/2009	11.40	03/09/2009	16.35	To attend Hot Spot
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	27/08/2009	09.07	02/09/2009	18.05	CKT H/T to load Akola ICT.
Wardha--Dhamangaon	01/09/2009	12.02	02/09/2009	10.00	H/T to Load Akola ICT
Kandalgaon-Lonand	02/09/2009	12.20	02/09/2009	12.32	H.T. to taken line on own breaker.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 315MVA ICT-I at Kharghar	03/09/2009	07.14	03/09/2009	13.05	B Phase LA Burst
Voltage Level : 220KV			Outage Type TRIPPED		
Ambazari-Amravati	02/09/2009	21.35	02/09/2009	21.58	Distance Protection
220KV Main Bus I & II at	02/09/2009	23.42	03/09/2009	00.28	Bus Fault

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Sep/2009

Position as on 6.30 Hrs of 03/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Versova					
Versova-Boiser	02/09/2009	23.42	03/09/2009	00.04	Tripped.
Ghodbandar-Versova-I	02/09/2009	23.42	02/09/2009	00.00	Tripped.
Versova-Dhanu	02/09/2009	23.42	02/09/2009	23.59	Tripped.
220/33 KV,100 MVA ICT-I At Versova	02/09/2009	23.42	03/09/2009	00.06	Tripped
220/33 KV,100 MVA ICT-III At Versova	02/09/2009	23.42	03/09/2009	00.28	Tripped
VERSOVA-AREY-I	02/09/2009	23.42	03/09/2009	00.14	Tripped.
220/33 KV,100 MVA ICT-IV At versova	02/09/2009	23.42	03/09/2009	00.28	Tripped
220/33 KV,100 MVA ICT-II At Versova	02/09/2009	23.42	02/09/2009	23.54	Tripped
Versova-Arey-II	02/09/2009	23.42	03/09/2009	00.14	Tripped
Versova-Ghodbandar-II	02/09/2009	23.42	02/09/2009	23.54	Tripped.
Bableshwar-Bhenda	03/09/2009	01.05	03/09/2009	10.34	Distance Protection
Trombay - Tifil	03/09/2009	18.30	03/09/2009	19.16	Backup Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Amravati - Achalpur	02/09/2009	17.16	02/09/2009	22.07	Y Phase CT Burst
Nanded - Tamsa	02/09/2009	22.18	03/09/2009	12.20	Distance Protection
Durgwada - Akola MIDC	03/09/2009	14.05	03/09/2009	14.45	Distance Protection
null					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Vita - Miraj	02/09/2009	12.35	02/09/2009	14.45	C.T. tan delta Testing.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	60
Unit 3	105	0
Unit 4	105	55
Unit 5	200	125
Unit 6	210	140
Unit 7	210	120
	1040	500
Bhusawal		
Unit 1	58	45
Unit 2	210	0
Unit 3	210	185
	478	230
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	50
Unit 5	210	170
Unit 6	250	220
	940	650
Chandrapur		
Unit 1	210	150
Unit 2	210	105
Unit 3	210	160
Unit 4	210	180
Unit 5	500	400
Unit 6	500	350
Unit 7	500	300
	2340	1645
Paras		
Unit 2	55	0
Unit 3	250	80
	305	80
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	200
Unit 4	210	200
	840	790
Nasik		
Unit 1	120	0
Unit 2	120	90
Unit 3	210	200
Unit 4	210	190
Unit 5	210	180
	870	660
Uran		
All Units	852	630
	852	630
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	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	4
BHANDARDRA	45	38
ELDARY	23	0
PAITHAN	12	9
GHATGHAR	250	0
	611	271
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		
RGPPL II	960	899
RGPPL III	740	
	1700	899
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	0
Trombay 8	250	220
TATA Hydro	444	447
	2024	1767
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3321
	3143	3321