



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Sep/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.117	2131.588	1) Madhya Pradesh	53.760	1025.442
2) Hydro	12.786	126.858	2) Gujrat	26.597	422.101
3) Gas	14.280	295.233	3) Goa	-5.829	-115.543
Total MSGENCO	134.183	2553.679	4) TAPS 1&2 (Inj.)	7.243	145.107
B) OTHERS			5) Pench (Excess)	-1.187	-3.827
1) RGPPL Gas	21.330	451.957	# Total Cent. Sector	80.584	1473.280
2) Wind Generation	5.702	155.129	F) Other Exchanges		
3) PENCH (MS)	1.187	10.522	1) With TPCL	-2.666	-128.226
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.360	556.631	1) MSEDCL Bilateral	5.456	103.768
2) TPCL Hydro	0.771	63.831	Include PX	0.000	2.941
TOTAL TPCL	31.131	620.462	2) MUMBAI Bilateral	3.353	141.854
3) REL Thermal	12.598	252.414	Include PX	0.000	3.858
D) STATE			3) MUMBAI Schedule	3.353	143.679
1) Thermal (A1+C1+C3)	150.075	2940.633	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	14.744	201.211	1) MSEDCL	240.320	4516.341
3) Gas (A3+B1)	35.610	747.190	2) TPCL	30.112	660.914
4) Wind (B2)	5.702	155.129	3) REL	16.281	340.007
TOTAL STATE	206.131	4044.163	TOTAL STATE	286.713	5517.262

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	4448	4636	4254
MSGENCO Hydro	650	1205	294
MSGENCO Gas	602	609	548
MSGENCO Total Generation	5700	6450	5096
Central Sector Receipt	3550	3696	3169
RGPPL	900	900	898
WIND	104	212	335
Exchange with TPCL	-117	-149	-50
MSEDCL DEMAND MET	10187	11162	9495
Load Shedding	2513	2756	1440
MSEDCL DEMAND (INCL. LS)	12700	13918	10935
TPCL GENERATION	1374	1501	1117
REL GENERATION	523	522	526
TPCL+REL DEMAND	2014	2172	1693
STATE DEMAND MET	12201	13334	11188
STATE DEMAND (INCL. LS)	14714	16090	12628
Frequency (Hz)	49.59	49.72	49.24
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3654 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			64.71 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.16 Hz at 09:05 Hrs	48.78 Hz at 00:03 Hrs	49.51	3.23 % 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 20/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	1.74	25.77	76	59	70
Unit 3	1.84	22.97	80	68	70
Unit 4	1.79	27.25	82	61	75
Unit 5	0.00	39.65	0	0	0
Unit 6	3.30	60.25	158	106	120
Unit 7	3.82	44.76	198	121	180
	12.49	220.64			515
Bhusawal					
Unit 1	1.27	19.31	58	48	50
Unit 2	0.00	5.17	0	0	0
Unit 3	4.38	82.66	198	154	190
	5.64	107.15			240
Parli					
Unit 1	0.57	11.47	25	22	20
Unit 2	0.56	11.56	25	21	20
Unit 3	3.98	75.64	183	141	170
Unit 4	4.16	67.18	191	145	170
Unit 5	3.35	77.97	178	108	160
Unit 6	2.09	84.80	214	0	0
	14.71	328.62			540
Chandrapur					
Unit 1	3.71	71.22	163	144	165
Unit 2	0.00	13.65	0	0	0
Unit 3	2.87	65.61	143	104	120
Unit 4	4.47	89.15	205	145	170
Unit 5	9.42	163.24	456	260	300
Unit 6	9.59	157.54	435	335	425
Unit 7	9.96	163.49	433	389	425
	40.03	723.89			1605
Paras					
Unit 2	0.28	8.48	20	0	0
Unit 3	4.72	81.19	214	186	200
	4.99	89.67			200
Khaparkheda					
Unit 1	4.70	92.44	204	186	200
Unit 2	4.51	88.78	193	181	190
Unit 3	0.00	87.96	0	0	0
Unit 4	5.07	97.67	215	204	210
	14.28	366.85			600
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.18	40.48	100	81	89
Unit 3	4.25	77.90	200	147	144
Unit 4	4.45	90.51	199	180	167
Unit 5	4.09	85.88	189	153	148
	14.97	294.76			548
Uran					
All Units	14.28	295.23	625	535	610
	14.28	295.23			610
Koyna					
Stage 1-2	2.86	28.95	260	40	600
Stage 4	6.01	43.05	760	0	250
Koyna 12&4 Total	8.88	72.00			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.06	22.49	318	0	320
	10.94	94.50			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.03	0.55	25	0	0
TILLARI	0.12	8.41	60	0	60
BHTGR/VEER	0.48	7.12	20	20	23
BHIRA T.R.	0.34	7.26	42	0	80
RNGR+BHTSA	0.14	2.15	15	0	4
BHANDARDRA	0.00	0.33	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.10	10	0	0
GHATGHAR	0.67	5.44	125	0	0
	1.85	32.36			167
PENCH (MS)					
Pench (MS)	1.19	10.52	53	46	
	1.19	10.52			
Wind					
MalharPeth	0.08	5.57			
Vankuswadi	0.23	12.41			
ATIT	0.04	2.56			
Kale	0.02	1.21			
Satara	0.10	6.04			
Shirala	0.10	3.82			
K Mahankal	0.02	6.22			
Supa	0.10	1.93			
Vita	0.83	21.92			
Dondaicha	2.78	60.89			
Sakri	0.42	10.19			
Nandurbar	0.48	8.29			
Khadakale	0.33	6.66			
Khaparale	0.16	7.43			
	5.70	155.13			
Dabhol					
RGPP L II	21.33	451.96	906	612	897
RGPP L III	0.00	0.00	0	0	
	21.33	451.96			897
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	218.44	505	500	500
Trombay 6	11.22	214.68	510	320	500
Trombay 7A	2.51	44.78	121	89	100
Trombay 7B	1.51	13.24	68	58	60
Trombay 8	3.01	65.50	128	121	120
TATA Hydro	0.77	63.83	172	0	447
	31.13	620.46			1727
REL					
1&2	12.60	252.41	527	522	500
	12.60	252.41			500
Cent Sect					
Share					3310
					3310

MS PG CL	Thermal	107.12	2131.59		4248
	Thml+Gas	121.40	2426.82		4858
	Hydro	12.79	126.86		1337
	Total	134.18	2553.68		6195
State Total		206.13	4044.16		12629

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	4383	989	535	5907	612	236	3329	3128	-190	-170	9760	1377	11137	1980	13117	48.99
2	4381	504	552	5437	902	296	3211	3068	-71	-51	9699	1425	11124	1834	12958	49.14
3	4354	295	561	5210	902	343	3212	3278	-71	-52	9728	1298	11026	1755	12781	49.34
4	4254	294	548	5096	898	335	3212	3169	-71	-50	9495	1440	10935	1693	12628	49.24
5	4259	402	555	5216	900	318	3212	3245	-71	-45	9681	1538	11219	1671	12890	49.33
6	4336	447	594	5377	900	320	3212	3250	-71	-43	9851	1730	11581	1745	13326	49.48
7	4477	129	625	5231	900	279	3210	2926	-71	-48	9335	2601	11936	1743	13679	49.53
8	4519	80	624	5223	900	332	3214	3167	-30	-5	9663	2753	12416	1719	14135	49.52
9	4494	68	617	5179	906	208	3205	3161	-30	-3	9504	2948	12452	1793	14245	49.57
10	4474	115	622	5211	905	158	3203	3149	-121	-90	9386	3016	12402	1922	14324	49.87
11	4446	341	607	5394	905	131	3254	3496	-148	-114	9865	2749	12614	1990	14604	49.59
12	4448	650	602	5700	900	104	3264	3550	-148	-117	10187	2513	12700	2014	14714	49.59
13	4373	770	595	5738	900	144	3263	3418	-148	-109	10141	2448	12589	2014	14603	49.50
14	4423	737	600	5760	900	148	3273	3357	-148	-110	10105	2541	12646	1971	14617	49.59
15	4471	450	602	5523	900	180	3273	3387	-148	-111	9929	2769	12698	1971	14669	49.62
16	4418	116	615	5149	900	226	3272	3563	-148	-111	9777	2989	12766	1973	14739	49.86
17	4386	75	622	5083	900	290	3273	3611	-148	-113	9821	2818	12639	1957	14596	49.90
18	4461	127	615	5203	900	246	3261	3682	-171	-141	9940	2441	12381	1894	14275	49.67
19	4576	726	612	5914	900	230	3226	3763	-197	-167	10693	2725	13418	1994	15412	49.78
20	4636	1205	609	6450	900	212	3315	3696	-197	-149	11162	2756	13918	2172	16090	49.72
21	4600	1337	582	6519	900	245	3316	3600	-197	-167	11147	2472	13619	2175	15794	49.60
22	4650	1313	598	6561	900	240	3288	3255	-169	-151	10855	2501	13356	2170	15526	49.37
23	4667	951	594	6212	900	225	3431	3370	-312	-293	10464	2306	12770	2141	14911	49.24
24	4631	665	594	5890	900	256	3395	3295	-275	-256	10132	1682	11814	2104	13918	49.21
MUs	107.12	12.79	14.28	134.18	21.33	5.70	78.32	80.58	-3.35	-2.67	240.32	55.84	296.16	46.40	342.55	49.51

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/Sep/2009

Position as on 6.30 Hrs of 21/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
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	22/09/2009
Bhusawal Unit 2	210	02/09/2009	10.08		Continued.	Annual Overhaul.	16/10/2009
Chandrapur Unit 2	210	05/09/2009	23:46		Continued.	AOH.	05/10/2009
Cent_Sect Gandhar U3	144	14/09/2009	09.30		Continued.	A.O.H.	30/09/2009
Cent_Sect Gandhar U4	224	17/09/2009	00.11		Continued.	A O H.	25/09/2009
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	
Koyna ST-IV 2	250	18/09/2009	09:00		Continued.	Maint.Work.	25/09/2009
Paras Unit 2	55	19/09/2009	00:03	20/09/2009	08.36	Coal Cycle Problem.	
Dabhol 1X	290	19/09/2009	07:29	20/09/2009	00:43	Low drum level.	
Khaparkheda Unit 3	210	19/09/2009	07:52		Continued.	B.T.L.	23/09/2009
Koradi Unit 5	200	19/09/2009	22:04		Continued.	I.D. Fan problem.	23/09/2009
Parli Unit 6	250	20/09/2009	02:47	20/09/2009	13.24	Coal mill problem.	

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

Position as on 6.30 Hrs of 21/Sep/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	01/09/2009	01.44		Continued.	Hand Tripped for Over Voltage.
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 TBC At Kolhapur	15/09/2009	10.40	20/09/2009	12.45	TBC Breaker Overhauling.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/100 KV,125 MVA ICT-III at Trombay S/S.	31/08/2009	09.32		Continued.	Replacement of Relay Panels & Control Panels.
Kolhapur-Sawantwadi	19/09/2009	12:20		Continued.	Breaker over houling, Line on TBC
Boisor-Versova	20/09/2009	07.00	20/09/2009	15.32	Outage.
M.B.I at Varsova	20/09/2009	07.10	20/09/2009	15.32	Jumper Connection.
Kandalgaon-Lonand	20/09/2009	07.46	20/09/2009	18.40	E/W Replacement.Work.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	19/09/2009	01:03		Continued.	H/T to increase load on Akola ICT.
Pusad - Parbhani	20/09/2009	19.40	20/09/2009	20.51	To control Chandrapur ICT loading.
Wardha--Dhamangaon	20/09/2009	19.48	20/09/2009	21.01	To Control Chandrapur ICT loading
Voltage Level : 500KV			Outage Type TRIPPED		
Chandrapur - Padgha Pole -I	20/09/2009	19.19	20/09/2009	20.24	Convertor Breaker Blocked,Fire Alarm.
Chandrapur-Padaghe Pole - II	20/09/2009	19.19	20/09/2009	20.24	Convertor Breaker Blocked,Fire Alarm.
Voltage Level : 220KV			Outage Type TRIPPED		
BBLSR-A"Nagar II	20/09/2009	13.23	20/09/2009	14.02	Dist.Protection
220/132 KV,100 MVA T/F-II @ Malegaon	20/09/2009	14.40	20/09/2009	18.05	PRV Problem.
Padghe - Nashik - II	20/09/2009	18.30	20/09/2009	19.00	Dist.Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Ambazari - Amravati	20/09/2009	19.26	20/09/2009	20.58	Dist.Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	75
Unit 4	105	75
Unit 5	200	0
Unit 6	210	140
Unit 7	210	160
	1040	520
Bhusawal		
Unit 1	58	50
Unit 2	210	0
Unit 3	210	190
	478	240
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	170
Unit 5	210	170
Unit 6	250	220
	940	770
Chandrapur		
Unit 1	210	165
Unit 2	210	0
Unit 3	210	130
Unit 4	210	200
Unit 5	500	450
Unit 6	500	425
Unit 7	500	410
	2340	1780
Paras		
Unit 2	55	40
Unit 3	250	180
	305	220
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	0
Unit 4	210	210
	840	600
Nasik		
Unit 1	120	0
Unit 2	120	96
Unit 3	210	194
Unit 4	210	195
Unit 5	210	172
	870	657
Uran		
All Units	852	600
	852	600
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	0
TILLARI	60	60
BHTGR/VEER	21	22
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	162
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		
RGPP II	960	900
RGPP III	740	
	1700	900
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	125
TATA Hydro	444	447
	2024	1752
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3360
	3143	3360

	17616	13231
--	--------------	--------------