



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Nov/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Nov/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.025	1513.455	1) Madhya Pradesh	65.745	826.078
2) Hydro	3.754	246.502	2) Gujrat	8.304	212.953
3) Gas	11.722	202.783	3) Goa	-5.309	-88.623
Total MSGENCO	128.501	1962.740	4) TAPS 1&2 (Inj.)	7.310	101.333
B) OTHERS			5) Pench (Excess)	-0.048	0.252
1) RGPPL Gas	16.598	306.579	# Total Cent. Sector	76.002	1051.993
2) Wind Generation	1.298	97.316	F) Other Exchanges		
3) PENCH (MS)	0.048	10.256	1) With TPCL	-6.604	-91.931
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	31.783	422.608	1) MSEDCL Bilateral	2.361	47.080
2) TPCL Hydro	1.299	63.539	Include PX	0.000	7.152
TOTAL TPCL	33.082	486.147	2) MUMBAI Bilateral	7.700	98.560
3) REL Thermal	6.382	95.786	Include PX	0.000	19.496
D) STATE			3) MUMBAI Schedule	7.700	103.670
1) Thermal (A1+C1+C3)	151.190	2031.849	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	5.101	320.297	1) MSEDCL	215.843	3336.953
3) Gas (A3+B1)	28.320	509.362	2) TPCL	30.352	448.031
4) Wind (B2)	1.298	97.316	3) REL	15.714	225.845
TOTAL STATE	185.909	2958.824	TOTAL STATE	261.909	4010.829

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	4803	4761	4568
MSGENCO Hydro	233	434	123
MSGENCO Gas	482	498	475
MSGENCO Total Generation	5518	5693	5166
Central Sector Receipt	3213	3687	2654
RGPPL	639	951	632
WIND	73	107	33
Exchange with TPCL	-437	-371	-61
MSEDCL DEMAND MET	9006	10077	8424
Load Shedding	1846	2293	0
MSEDCL DEMAND (INCL. LS)	10852	12370	8424
TPCL GENERATION	1629	1663	997
REL GENERATION	264	265	268
TPCL+REL DEMAND	2330	2299	1326
STATE DEMAND MET	11336	12376	9750
STATE DEMAND (INCL. LS)	13182	14669	9750
Frequency (Hz)	49.71	49.99	50.05
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2909 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			37.13 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.49 Hz at 23.02 Hrs	49.22 Hz at 18.22 Hrs	49.89	0 % of Time

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and Mumbai bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 14/Nov/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.98	26.72	92	70	80
Unit 2	0.00	9.03	0	0	0
Unit 3	1.72	16.82	81	51	75
Unit 4	1.96	21.52	92	69	85
Unit 5	0.06	35.59	31	0	0
Unit 6	3.56	46.91	166	134	155
Unit 7	3.85	47.19	181	140	160
	13.13	203.77			555
Bhusawal					
Unit 1	1.16	8.39	55	40	50
Unit 2	4.01	57.48	180	155	180
Unit 3	4.05	58.96	185	75	190
	9.22	124.83			420
Parli					
Unit 1	0.55	7.89	24	21	20
Unit 2	0.54	6.62	24	22	20
Unit 3	3.99	44.57	175	146	165
Unit 4	4.70	61.21	211	176	200
Unit 5	4.19	56.14	180	169	170
Unit 6	0.00	0.00	0	0	0
	13.96	176.43			575
Chandrapur					
Unit 1	3.84	53.51	168	153	170
Unit 2	3.64	42.98	170	141	170
Unit 3	3.88	46.77	172	138	210
Unit 4	3.74	54.99	172	146	210
Unit 5	8.39	113.31	382	311	450
Unit 6	8.58	126.68	380	340	425
Unit 7	8.85	122.05	387	352	400
	40.94	560.28			2035
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.84	68.15	234	169	230
	4.84	68.15			230
Khaparkheda					
Unit 1	4.38	43.29	190	174	180
Unit 2	4.64	47.58	200	189	190
Unit 3	0.00	0.00	0	0	0
Unit 4	5.07	62.70	216	206	210
	14.08	153.57			580
Nasik					
Unit 1	1.95	27.54	93	65	90
Unit 2	1.96	23.65	97	60	90
Unit 3	4.47	63.47	199	173	190
Unit 4	4.30	53.72	192	163	185
Unit 5	4.17	58.04	179	166	180
	16.86	226.42			735
Uran					
All Units	11.72	202.78	509	448	450
	11.72	202.78			450
Koyna					
Stage 1-2	0.91	32.92	85	25	600
Stage 4	0.40	139.02	170	0	250
Koyna 12&4 Total	1.31	171.94			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.13	35.79	80	0	320
	1.44	207.72			1170
Hydro					
KDPH	0.00	3.62	0	0	0
VTRNA	0.00	0.00	0	0	50
TILLARI	0.36	6.12	60	0	60
BHTGR/VEER	0.96	11.58	40	40	15
BHIRA T.R.	0.16	4.10	54	0	80
RNGR+BHTSA	0.36	4.37	15	15	15
BHANDARDRA	0.42	3.78	38	0	25
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.73	10	0	10
GHATGHAR	0.00	4.48	0	0	0
	2.32	38.78			255
PENCH (MS)					
Pench (MS)	0.05	10.26	20	0	0
	0.05	10.26			0
Wind					
MalharPeth	0.10	7.28			
Vankuswadi	0.30	15.68			
ATIT	0.04	4.05			
Kale	0.05	6.75			
Satara	0.08	6.58			
Shirala	0.06	5.58			
K Mahankal	0.08	4.77			
Supa	0.04	1.65			
Vita	0.36	17.02			
Dondaicha	0.07	12.41			
Sakri	0.08	1.69			
Nandurbar	0.02	1.13			
Khadakale	0.04	6.81			
Khaparale	0.00	5.92			
	1.30	97.32			
Dabhol					
RGPP L II	16.60	306.58	955	353	900
RGPP L III	0.00	0.00	0	0	0
	16.60	306.58			900
Tata					
Trombay 4	1.69	4.77	97	52	150
Trombay 5	10.50	132.10	450	350	500
Trombay 6	8.97	143.72	510	150	500
Trombay 7A	2.96	39.11	126	121	120
Trombay 7B	1.64	22.11	69	68	60
Trombay 8	6.03	80.81	253	250	250
TATA Hydro	1.30	63.54	197	0	447
	33.08	486.15			2027
REL					
1&2	6.38	95.79	268	264	250
	6.38	95.79			250
Cent Sect					
Share					3251
					3251

MS PG CL	Thermal	113.02	1513.46		5130
	Thml+Gas	124.75	1716.24		5580
	Hydro	3.75	246.50		1425
	Total	128.50	1962.74		7005
State Total		185.91	2958.82		13433

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Nov/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	4610	128	509	5247	632	28	2518	2681	-103	-71	8517	0	8517	1599	10116	50.03
2	4569	123	448	5140	632	29	2518	2625	-103	-67	8359	0	8359	1462	9821	50.11
3	4583	118	448	5149	632	30	2518	2648	-103	-64	8395	0	8395	1380	9775	50.21
4	4568	123	475	5166	632	33	2521	2654	-103	-61	8424	0	8424	1326	9750	50.05
5	4606	149	498	5253	633	34	2518	2748	-103	-59	8609	0	8609	1325	9934	49.92
6	4679	203	498	5380	633	42	2518	3127	-103	-60	9122	513	9635	1383	11018	49.83
7	4713	123	502	5338	633	72	2518	2807	-103	-61	8789	1059	9848	1518	11366	49.93
8	4742	133	505	5380	632	79	2723	3072	-112	-72	9091	1155	10246	1608	11854	49.96
9	4807	138	498	5443	635	77	2716	2728	-112	-76	8807	1776	10583	1816	12399	49.72
10	4764	193	488	5445	637	69	3070	2833	-423	-389	8595	1976	10571	2180	12751	49.58
11	4803	233	482	5518	639	73	3140	3213	-468	-437	9006	1846	10852	2330	13182	49.71
12	4793	203	478	5474	636	49	3090	3084	-468	-438	8805	1873	10678	2355	13033	49.82
13	4764	95	482	5341	353	43	3116	3499	-468	-419	8817	1579	10396	2292	12688	49.89
14	4810	140	482	5432	366	38	3158	3327	-468	-417	8746	1644	10390	2207	12597	49.98
15	4730	164	482	5376	436	34	3169	3304	-468	-416	8734	1783	10517	2192	12709	49.89
16	4688	85	488	5261	630	33	3165	3053	-468	-416	8561	1797	10358	2180	12538	49.83
17	4697	90	490	5277	672	35	3168	3544	-468	-418	9110	1645	10755	2129	12884	49.79
18	4667	85	492	5244	825	33	3150	3428	-450	-397	9144	1883	11027	2164	13191	49.87
19	4728	353	492	5573	948	68	3201	3760	-428	-372	9997	2316	12313	2304	14617	49.79
20	4761	434	498	5693	951	107	3071	3687	-428	-371	10077	2293	12370	2299	14669	49.99
21	4781	177	495	5453	950	84	3101	3980	-428	-373	10101	1988	12089	2201	14290	49.81
22	4755	84	494	5333	953	66	3036	3720	-428	-372	9700	1986	11686	2050	13736	49.84
23	4766	85	496	5347	953	67	3031	3334	-446	-389	9312	1611	10923	1954	12877	49.85
24	4641	95	502	5238	955	75	3025	3146	-446	-389	9025	1094	10119	1814	11933	50.06
MUs	113.02	3.75	11.72	128.50	16.60	1.30	69.76	76.00	-7.70	-6.60	215.84	31.82	247.66	46.07	293.73	49.89

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 14/Nov/2009

Position as on 6.30 Hrs of 15/Nov/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
Paras Unit 2	55	11/10/2009	13:29		Continued.	AOH.	18/11/2009
Khaparkheda Unit 3	210	23/10/2009	23.59		Continued.	Annual Overhaul	16/11/2009
Parli Unit 6	250	31/10/2009	13.01		Continued.	Hydrogen Leakage.	18/11/2009
REL 2	250	02/11/2009	03.06		Continued.	Annual Overhaul	25/11/2009
Koradi Unit 5	200	11/11/2009	16.50	14/11/2009	21.58	To Attend Control Valve Work.	
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	30/11/2009
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	31/03/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	07/01/2010
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Koradi Unit 2	105	06/11/2009	21.23		Continued.	E.S.P. work	19/11/2009
Dabhol 2B	230	13/11/2009	18.07	14/11/2009	15.08	Tripped due to excitation problem	
Dabhol 2X	290	13/11/2009	18.07	14/11/2009	17.04	Tripped due to exciation problem	
Uran Unit 7	108	14/11/2009	00.02		Continued.	Filter replacement	19/11/2009
Dabhol 1A	230	14/11/2009	12.02	14/11/2009	12.57	Generator boiler trip	
Dabhol 1X	290	14/11/2009	12.02	14/11/2009	14.20	Generator Boiler trip	
Bhusawal Unit 3	210	14/11/2009	23.30		Continued.	Boiler Tube Leakage	17/11/2009
Cent_Sect NTPC(V-6)	210	15/11/2009	01.20		Continued.	Boiler Inspection work	18/11/2009

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Nov/2009

Position as on 6.30 Hrs of 15/Nov/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		
TILLARY-PHONDA	12/11/2009	09.50		Continued.	PLCC work at Amona Stn.(4 days)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
WARDHA-AKOLA-II	24/10/2009	16.46		Continued.	H/T due to over voltage
Chandrapur-Bhadravti - I	05/11/2009	10.07		Continued.	H/T To control C'pur-Parli line loading.
Dhule-Sar'Sarovar II	09/11/2009	10:48		Continued.	H/T for O/V.
Wardha - Akola - I	11/11/2009	02.40		Continued.	H/T for O/V.
Seoni - Wardha	11/11/2009	02.41		Continued.	H/T for O/V.
Kolhapur-Mapusa-II	13/11/2009	23.26	14/11/2009	08.56	H/T for O/V
Kolhapur-Mapusa Ckt I	14/11/2009	23.00	15/11/2009	10:00	H/T for O/V
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi-Chikodi	14/11/2009	17.05	14/11/2009	22.10	Distance protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132KV,200 MVA ICT-II at Bhusawal	26/10/2009	09.32		Continued.	Over hauling work.
Padgha - Nagothane - I	14/11/2009	07.36	14/11/2009	13.50	Retrofitting work
400KV Main Bus - I at Khadka	14/11/2009	13.30	14/11/2009	20.07	To replace Blade of R phase PG Isolator of Bus-I
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/100KV,125MVA ICT-IV at Kalwa	12/11/2009	22.45	14/11/2009	13.13	oil filtration work.
220KV Bus Section - I at Nasik GCR	13/11/2009	08.02	15/11/2009	13:27	Breaker and C.T.Replacement
220/33KV,100MVA T/F -III at Jamde	14/11/2009	10.30	14/11/2009	13.30	Q.M. work
Dahanu - Ghodbandar - I	15/11/2009	09.45	15/11/2009	17.39	Annual Maintenance.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhandara-Tekepar	29/10/2009	09.13		Continued.	Breaker Replacement.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
PADGHA-KHARGHAR	15/11/2009	08:30	15/11/2009	17:53	Y Ph CVT Repl.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Bale-Usmanabad	14/11/2009	10.50	14/11/2009	14.28	B phase CT Oil Indicator Glass replacement
Voltage Level : 400KV			Outage Type HAND TRIPPED		
C'pur-Parli II	04/11/2009	18.20		Continued.	Land Sliding at Loc.No 78 at Borgaon,Tal-Wani.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	06/11/2009	11:35		Continued.	To Control Chikhali line loading.
Mankapur - Uppalwadi	14/11/2009	16.42		Continued.	H/T to control Ambazari-Mankapur loading
Voltage Level : 400KV			Outage Type TRIPPED		
400KV Main Bus - II at Dabhol	14/11/2009	12.02	14/11/2009	12.10	Tripped while relay testing
New Koyna - Dabhol - II	14/11/2009	12.03	14/11/2009	12.18	Tripped
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Nov/2009

Position as on 6.30 Hrs of 15/Nov/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
N.Koyna-Phinolex	15/11/2009	10:00	15/11/2009	10:40	Tripped, Directional E/F relay operated.
Kolhapur-Sawantwadi	15/11/2009	16:22	15/11/2009	16:43	Tripped, Dist. Protn.
K'gaon-ONGC	15/11/2009	16:43	15/11/2009	17:28	Tripped, Dist. Protn.
Kalmeshwar-Ambazari	15/11/2009	21:23	15/11/2009	21:38	Tripped on Distance Protection Zone - 1.
220/132 KV, 100 MVA ICT-I At Kalmeshwar	15/11/2009	21:40	15/11/2009	21:45	Oil Temperature Alarm, O/C. Relay Inverse Type "R" Ph.
Voltage Level : 132KV			Outage Type TRIPPED		
132/33KV 25MVA T/F at Hinganghat.	09/11/2009	10:38		Continued.	T/F Caught fire and burnt.
Kalmeshwar-Saoner Ckt.	15/11/2009	21:40	15/11/2009	21:55	Tripped on Back up O/C., E/F Prot. L.B. T.16 MWv of Saoner S/Stn.
null					
Voltage Level : 220KV			Outage Type TRIPPED		
Sahara-B'dying	15/11/2009	16:23	15/11/2009	18:10	Tripped, Dist. Protn.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Nov/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	0
Unit 3	105	75
Unit 4	105	75
Unit 5	200	160
Unit 6	210	160
Unit 7	210	140
	1040	680
Bhusawal		
Unit 1	58	50
Unit 2	210	160
Unit 3	210	0
	478	210
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	165
Unit 4	210	200
Unit 5	210	160
Unit 6	250	0
	940	565
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	425
	2340	2060
Paras		
Unit 2	55	0
Unit 3	250	202
	305	202
Khaparkheda		
Unit 1	210	180
Unit 2	210	190
Unit 3	210	0
Unit 4	210	210
	840	580
Nasik		
Unit 1	120	80
Unit 2	120	95
Unit 3	210	180
Unit 4	210	180
Unit 5	210	185
	870	720
Uran		
All Units	852	480
	852	480
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	40
TILLARI	60	60
BHTGR/VEER	21	40
BHIRA T.R.	80	55
RNGR+BHTSA	20	5
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	210
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	900
RGPL III	740	
	1700	900
Tata		
Trombay 4	150	100
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	110
Trombay 7B	60	110
Trombay 8	250	210
TATA Hydro	444	447
	2024	1977
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3143	3118
	3143	3118