



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Nov/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Nov/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.705	1400.430	1) Madhya Pradesh	60.328	760.333
2) Hydro	4.320	242.748	2) Gujrat	2.140	204.649
3) Gas	15.717	191.061	3) Goa	-5.511	-83.314
Total MSGENCO	130.742	1834.239	4) TAPS 1&2 (Inj.)	7.298	94.023
B) OTHERS			5) Pench (Excess)	-0.160	0.300
1) RGPPL Gas	20.943	289.981	# Total Cent. Sector	64.095	975.991
2) Wind Generation	1.197	96.018	F) Other Exchanges		
3) PENCH (MS)	0.160	10.208	1) With TPCL	-6.601	-85.327
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	31.508	390.825	1) MSEDCL Bilateral	2.441	44.719
2) TPCL Hydro	3.518	62.240	Include PX	0.000	7.152
TOTAL TPCL	35.026	453.065	2) MUMBAI Bilateral	7.568	90.860
3) REL Thermal	6.397	89.404	Include PX	-0.048	19.496
D) STATE			3) MUMBAI Schedule	7.568	95.970
1) Thermal (A1+C1+C3)	148.610	1880.659	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	7.998	315.196	1) MSEDCL	210.536	3121.110
3) Gas (A3+B1)	36.660	481.042	2) TPCL	32.254	417.679
4) Wind (B2)	1.197	96.018	3) REL	15.770	210.131
TOTAL STATE	194.465	2772.915	TOTAL STATE	258.560	3748.920

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	4607	4728	4307
MSGENCO Hydro	191	428	123
MSGENCO Gas	649	664	654
MSGENCO Total Generation	5447	5820	5084
Central Sector Receipt	2242	3593	2322
RGPPL	956	630	904
WIND	35	56	72
Exchange with TPCL	-434	-391	-59
MSEDCL DEMAND MET	8273	9735	8323
Load Shedding	1083	2076	0
MSEDCL DEMAND (INCL. LS)	9356	11811	8323
TPCL GENERATION	1736	1771	960
REL GENERATION	265	264	267
TPCL+REL DEMAND	2435	2426	1286
STATE DEMAND MET	10708	12161	9609
STATE DEMAND (INCL. LS)	11791	14237	9609
Frequency (Hz)	49.43	49.82	50.17
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2670 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			13.08 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.45 Hz at 02.59 Hrs	49.24 Hz at 22.15 Hrs	49.86	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 13/Nov/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	2.14	24.74	96	83	80
Unit 2	0.00	9.03	0	0	0
Unit 3	1.78	15.10	82	62	75
Unit 4	1.15	19.56	89	0	0
Unit 5	0.00	35.53	0	0	0
Unit 6	3.57	43.35	157	138	160
Unit 7	3.77	43.34	178	136	160
	12.40	190.64			475
Bhusawal					
Unit 1	0.84	7.23	48	20	25
Unit 2	4.10	53.46	185	155	160
Unit 3	4.33	54.91	195	155	190
	9.27	115.61			375
Parli					
Unit 1	0.59	7.34	26	23	20
Unit 2	0.58	6.08	25	22	20
Unit 3	3.60	40.58	169	140	155
Unit 4	4.56	56.51	204	174	185
Unit 5	4.17	51.96	178	169	170
Unit 6	0.00	0.00	0	0	0
	13.49	162.47			550
Chandrapur					
Unit 1	3.86	49.66	167	154	165
Unit 2	3.56	39.33	171	141	170
Unit 3	3.51	42.89	178	134	200
Unit 4	3.61	51.24	165	138	150
Unit 5	8.74	104.92	399	274	450
Unit 6	8.98	118.10	420	340	425
Unit 7	9.10	113.20	423	349	425
	41.36	519.34			1985
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.79	63.31	233	165	220
	4.79	63.31			220
Khaparkheda					
Unit 1	4.28	38.91	186	152	180
Unit 2	4.28	42.95	195	158	190
Unit 3	0.00	0.00	0	0	0
Unit 4	4.93	57.63	214	181	210
	13.50	139.49			580
Nasik					
Unit 1	1.58	25.58	85	54	90
Unit 2	1.86	21.69	92	60	90
Unit 3	4.32	59.00	196	162	190
Unit 4	4.21	49.42	188	153	185
Unit 5	3.90	53.86	180	135	180
	15.88	209.56			735
Uran					
All Units	15.72	191.06	673	634	620
	15.72	191.06			620
Koyna					
Stage 1-2	0.81	32.00	75	10	600
Stage 4	0.00	138.62	0	0	250
Koyna 12&4 Total	0.81	170.63			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.23	35.66	94	0	320
	1.04	206.28			1170
Hydro					
KDPH	0.00	3.62	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.39	5.76	58	0	60
BHTGR/VEER	0.96	10.62	40	40	40
BHIRA T.R.	0.06	3.93	40	0	80
RNGR+BHTSA	0.36	4.01	15	15	15
BHANDARDRA	0.91	3.36	38	38	50
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.67	10	0	10
GHATGHAR	0.54	4.48	125	0	0
	3.28	36.46			255
PENCH (MS)					
Pench (MS)	0.16	10.21	27	0	
	0.16	10.21			
Wind					
MalharPeth	0.06	7.18			
Vankuswadi	0.26	15.38			
ATIT	0.08	4.01			
Kale	0.06	6.69			
Satara	0.07	6.50			
Shirala	0.09	5.52			
K Mahankal	0.07	4.70			
Supa	0.01	1.62			
Vita	0.35	16.66			
Dondaicha	0.06	12.34			
Sakri	0.01	1.62			
Nandurbar	0.01	1.11			
Khadakale	0.05	6.77			
Khaparale	0.02	5.92			
	1.20	96.02			
Dabhol					
RGPP L II	20.94	289.98	958	630	900
RGPP L III	0.00	0.00	0	0	
	20.94	289.98			900
Tata					
Trombay 4	1.46	3.08	76	52	50
Trombay 5	10.35	121.60	450	325	500
Trombay 6	9.16	134.74	510	150	500
Trombay 7A	2.92	36.16	125	98	120
Trombay 7B	1.62	20.47	69	61	60
Trombay 8	6.00	74.78	253	240	250
TATA Hydro	3.52	62.24	422	0	447
	35.03	453.06			1927
REL					
1&2	6.40	89.40	268	263	250
	6.40	89.40			250
Cent Sect					
Share					3251
					3251

MS PG CL	Thermal	110.70	1400.43		4920
	Thml+Gas	126.42	1591.49		5540
	Hydro	4.32	242.75		1425
	Total	130.74	1834.24		6965
State Total		194.46	2772.92		13293

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/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	4687	123	646	5456	955	81	2511	2271	-92	-93	8670	393	9063	1438	10501	50.17
2	4328	143	645	5116	953	82	2513	2270	-92	-62	8359	0	8359	1371	9730	50.13
3	4282	103	645	5030	905	81	2513	2437	-92	-62	8391	0	8391	1325	9716	50.26
4	4307	123	654	5084	904	72	2517	2322	-92	-59	8323	0	8323	1286	9609	50.17
5	4395	123	672	5190	943	75	2514	2447	-92	-61	8594	0	8594	1298	9892	49.99
6	4472	133	668	5273	958	50	2514	2636	-92	-60	8857	456	9313	1373	10686	49.71
7	4616	133	669	5418	957	45	2513	2523	-92	-57	8886	873	9759	1510	11269	49.76
8	4605	123	673	5401	956	40	2719	2416	-101	-65	8748	937	9685	1668	11353	49.98
9	4623	157	666	5446	958	36	2719	2209	-106	-67	8582	1161	9743	1878	11621	49.84
10	4638	191	656	5485	957	29	3028	2224	-418	-379	8316	1182	9498	2240	11738	49.71
11	4607	191	649	5447	956	35	3005	2242	-463	-434	8273	1083	9356	2435	11791	49.43
12	4581	181	649	5411	955	36	3004	2161	-465	-432	8157	666	8823	2535	11358	49.94
13	4649	123	642	5414	954	44	3036	2345	-467	-419	8364	0	8364	2497	10861	49.85
14	4729	128	634	5491	954	40	3036	2293	-467	-415	8363	0	8363	2393	10756	50.06
15	4731	123	636	5490	953	47	3036	2405	-467	-420	8475	0	8475	2401	10876	49.80
16	4742	123	638	5503	952	50	3036	2284	-467	-415	8374	0	8374	2449	10823	49.65
17	4720	123	644	5487	953	53	2999	2738	-467	-420	8811	0	8811	2437	11248	49.68
18	4735	148	648	5531	953	63	2987	3189	-454	-413	9323	503	9826	2395	12221	49.63
19	4788	354	659	5801	709	64	2969	3335	-388	-338	9598	1966	11564	2498	14062	49.76
20	4728	428	664	5820	630	56	2829	3593	-436	-391	9735	2076	11811	2426	14237	49.82
21	4688	381	660	5729	632	36	2842	3703	-436	-385	9742	1791	11533	2273	13806	49.68
22	4668	248	664	5580	633	30	2841	3592	-430	-374	9461	1801	11262	2133	13395	49.71
23	4682	284	665	5631	632	27	2855	3389	-444	-390	9289	1689	10978	1942	12920	49.78
24	4704	133	671	5508	631	25	2854	3071	-444	-390	8845	1226	10071	1823	11894	50.07
MUs	110.70	4.32	15.72	130.74	20.94	1.20	67.39	64.10	-7.57	-6.60	210.54	17.80	228.34	48.02	276.36	49.86

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 13/Nov/2009

Position as on 6.30 Hrs of 14/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
Koradi Unit 4	115	11/11/2009	04.24	13/11/2009	08.38	W/Dn BLR T/L.	
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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Nov/2009

Position as on 6.30 Hrs of 14/Nov/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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)
Mudshingi-Chikodi	13/11/2009	16.12	13/11/2009	18.02	Tan delta measurement
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 Ckt I	12/11/2009	23.12	13/11/2009	09.43	H/T for O/V.
Kolhapur-Mapusa-II	13/11/2009	23.26	14/11/2009	08.56	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-II	13/11/2009	09.03	13/11/2009	18.49	Relay retrofitting
400/220 KV,600 MVA ICT-II at Kalwa	13/11/2009	10.06	13/11/2009	20.46	Jumper replacement of Main Bus-II
400 KV Main Bus - II at Kalwa	13/11/2009	10.07	13/11/2009	20.39	Isolator work
400/220KV, 315MVA ICT-II at Padgha	13/11/2009	17.43	13/11/2009	19.09	OLTC Buchholz operated
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 KV M .B- II at Jejuri.	12/11/2009	22.00	13/11/2009	17.30	For connecting jumpers of ICT-2.
220/100KV,125MVA ICT-IV at Kalwa	12/11/2009	22.45	14/11/2009	13.13	oil filtration work.
Dahanu-Versova	13/11/2009	08.35	13/11/2009	17.45	Annual maint.
Mudshingi - Peth	13/11/2009	08.35	13/11/2009	10.53	Tan delta measurement
220/132KV,150MVA ICT-I at Bhoisor	13/11/2009	10.12	13/11/2009	16.42	R.M.work
Aurangabad - Padegaon - I.	13/11/2009	10.36	13/11/2009	18.46	Quarterly maintenance
220/132, 200MVA ICT at Theur	13/11/2009	10.46	13/11/2009	15.22	Tan delta measurement
Mudsingi-Karad II	13/11/2009	11.10	13/11/2009	13.10	Tan delta measurement
Mudshini - Talangade - II	13/11/2009	14.05	13/11/2009	15.22	Tan delta measurement
Mudshingi-Talangade - I	13/11/2009	15.27	13/11/2009	17.32	Tan delta measurement
220/33KV,100MVA T/F -III at Jamde	14/11/2009	10.30	14/11/2009	13.30	Q.M. work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhandara-Tekepar	29/10/2009	09.13		Continued.	Breaker Replacement.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Nov/2009

Position as on 6.30 Hrs of 14/Nov/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Karad-Vita-II	13/11/2009	08.09	13/11/2009	17.39	Insulator replacement
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 Bargaon,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		
K'gaon-Lonand	11/11/2009	11.02	13/11/2009	15.10	Distance Protection,B Ph to Earth.
Raymond-Washala	13/11/2009	10.50	13/11/2009	18.50	Distance protection
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.
Virur-Ashti	13/11/2009	05.44	13/11/2009	06.16	Backup protection operated
Ashti - Mul	13/11/2009	05.44	13/11/2009	06.25	Distance protection
Harangul - Nilanga	13/11/2009	21.10	13/11/2009	21.20	Distance protection
Parbhani-Purna	13/11/2009	21.16	13/11/2009	21.31	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Nov/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	0
Unit 3	105	75
Unit 4	105	85
Unit 5	200	0
Unit 6	210	155
Unit 7	210	160
	1040	555
Bhusawal		
Unit 1	58	50
Unit 2	210	180
Unit 3	210	190
	478	420
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	165
Unit 4	210	200
Unit 5	210	170
Unit 6	250	0
	940	575
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	400
	2340	2035
Paras		
Unit 2	55	0
Unit 3	250	230
	305	230
Khaparkheda		
Unit 1	210	180
Unit 2	210	190
Unit 3	210	0
Unit 4	210	210
	840	580
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	190
Unit 4	210	185
Unit 5	210	180
	870	735
Uran		
All Units	852	450
	852	450
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	50
TILLARI	60	60
BHTGR/VEER	21	15
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	25
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	255
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	0
	1700	900
Tata		
Trombay 4	150	150
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	2027
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3143	3251
	3143	3251