



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Dec/2009 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.747	2513.488	1) Madhya Pradesh	67.853	1399.722
2) Hydro	4.637	169.646	2) Gujrat	19.390	376.130
3) Gas	15.259	306.866	3) Goa	-6.543	-130.465
Total MSGENCO	142.643	2990.000	4) TAPS 1&2 (Inj.)	3.623	107.900
B) OTHERS			5) Pench (Excess)	0.000	-1.668
1) RGPPL Gas	15.341	382.736	# Total Cent. Sector	84.323	1751.619
2) Wind Generation	5.661	55.295	F) Other Exchanges		
3) PENCH (MS)	0.000	1.668	1) With TPCL	-4.184	-85.014
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.548	526.564	1) MSEDCL Bilateral	6.188	122.606
2) TPCL Hydro	4.572	100.135	Include PX	1.237	65.472
TOTAL TPCL	32.120	626.699	2) MUMBAI Bilateral	4.805	101.826
3) REL Thermal	12.702	266.890	Include PX	0.000	5.057
D) STATE			3) MUMBAI Schedule	4.805	101.826
1) Thermal (A1+C1+C3)	162.997	3306.942	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	9.209	271.449	1) MSEDCL	243.784	5096.304
3) Gas (A3+B1)	30.600	689.602	2) TPCL	32.544	642.270
4) Wind (B2)	5.661	55.295	3) REL	16.453	336.290
TOTAL STATE	208.467	4323.288	TOTAL STATE	292.781	6074.864

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4973	5015	5263
MSGENCO Hydro	343	680	119
MSGENCO Gas	630	632	630
MSGENCO Total Generation	5946	6327	6012
Central Sector Receipt	4010	4397	2167
RGPPL	635	637	647
WIND	311	192	237
Exchange with TPCL	-286	-295	-23
MSEDCL DEMAND MET	10616	11258	9040
Load Shedding	3134	3396	1540
MSEDCL DEMAND (INCL. LS)	13750	14654	10580
TPCL GENERATION	1704	1689	862
REL GENERATION	528	524	531
TPCL+REL DEMAND	2518	2508	1416
STATE DEMAND MET	13134	13766	10456
STATE DEMAND (INCL. LS)	16268	17162	11996
Frequency (Hz)	49.80	49.80	50.07
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4510 MW at 19:00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			76.83 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.45 Hz at 16.04 Hrs	49.47 Hz at 18.09 Hrs	49.9	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 21/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.59	29.31	73	60	70
Unit 2	1.60	35.08	73	57	70
Unit 3	0.61	30.71	69	0	55
Unit 4	1.51	14.73	84	28	60
Unit 5	3.71	74.33	180	119	160
Unit 6	3.38	46.38	171	87	160
Unit 7	3.92	83.14	184	137	170
	16.34	313.68			745
Bhusawal					
Unit 1	1.28	23.36	58	50	52
Unit 2	4.07	72.13	184	132	165
Unit 3	4.30	91.63	187	171	190
	9.65	187.12			407
Parli					
Unit 1	0.55	11.11	24	22	23
Unit 2	0.44	11.33	22	0	23
Unit 3	0.06	75.58	37	0	0
Unit 4	4.45	97.94	208	156	200
Unit 5	3.92	76.38	175	146	175
Unit 6	5.11	103.29	225	200	220
	14.52	375.62			641
Chandrapur					
Unit 1	3.59	75.31	154	144	155
Unit 2	3.85	77.99	166	154	160
Unit 3	3.66	75.54	167	140	170
Unit 4	3.96	81.25	182	136	170
Unit 5	10.39	178.80	448	398	450
Unit 6	10.35	182.17	535	395	450
Unit 7	10.27	208.65	455	364	450
	46.06	879.70			2005
Paras					
Unit 2	1.09	11.25	48	33	25
Unit 3	4.97	96.36	230	124	235
	6.05	107.61			260
Khaparkheda					
Unit 1	1.30	91.92	195	0	190
Unit 2	4.58	89.58	198	182	190
Unit 3	5.00	91.83	214	202	210
Unit 4	5.01	98.61	216	201	210
	15.89	371.94			800
Nasik					
Unit 1	2.32	47.17	103	70	100
Unit 2	2.33	46.33	105	82	100
Unit 3	4.79	90.69	208	188	200
Unit 4	4.79	93.62	206	193	200
Unit 5	0.00	0.00	0	0	0
	14.23	277.81			600
Uran					
All Units	15.26	306.87	648	628	650
	15.26	306.87			650
Koyna					
Stage 1-2	0.89	38.22	120	15	460
Stage 4	0.53	55.03	249	0	250
Koyna 12&4 Total	1.42	93.25			710

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.30	19.69	120	0	240
	1.72	112.94			950
Hydro					
KDPH	0.48	0.79	20	18	19
VTRNA	0.00	0.00	0	0	0
TILLARI	0.38	7.94	59	0	60
BHTGR/VEER	1.30	19.42	54	54	40
BHIRA T.R.	0.18	5.56	41	0	41
RNGR+BHTSA	0.36	6.99	15	15	15
BHANDARDRA	0.00	0.05	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.08	10	0	10
GHATGHAR	0.16	14.87	124	0	15
	2.92	56.71			200
PENCH (MS)					
Pench (MS)	0.00	1.67	0	0	
	0.00	1.67			
Wind					
MalharPeth	0.41	3.18			
Vankuswadi	0.74	8.12			
ATIT	0.28	1.72			
Kale	0.31	2.46			
Satara	0.31	3.50			
Shirala	0.32	2.46			
K Mahankal	0.10	1.20			
Supa	0.13	1.22			
Vita	0.99	12.82			
Dondaicha	1.04	8.34			
Sakri	0.18	1.76			
Nandurbar	0.08	0.91			
Khadakale	0.31	3.86			
Khaparale	0.47	3.73			
	5.66	55.30			
Dabhol					
RGPP L II	15.34	382.74	649	626	580
RGPP L III	0.00	0.00	0	0	
	15.34	382.74			580
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	11.32	238.63	500	300	500
Trombay 6	8.82	194.54	510	150	500
Trombay 7A	2.21	54.16	120	70	120
Trombay 7B	1.43	32.00	67	54	60
Trombay 8	3.77	5.40	203	108	150
TATA Hydro	4.57	100.14	411	0	447
	32.12	626.70			1777
REL					
1&2	12.70	266.89	533	524	500
	12.70	266.89			500
Cent Sect					
Share		0.00			2933
		0.00			2933

MS PG CL	Thermal	122.75	2513.49		5458
	Thml+Gas	138.01	2820.35		6108
	Hydro	4.64	169.65		1150
	Total	142.64	2990.00		7258
State Total		208.47	4323.29		13048

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/Dec/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	5164	112	628	5904	643	223	2486	2704	-52	-22	9452	1730	11182	1568	12750	50.13
2	5176	117	629	5922	645	221	2486	2389	-52	-22	9155	1766	10921	1476	12397	50.12
3	5263	119	630	6012	647	237	2486	2167	-52	-23	9040	1540	10580	1416	11996	50.07
4	5276	119	630	6025	649	223	2486	2270	-52	-21	9146	1731	10877	1356	12233	50.19
5	5281	119	629	6029	647	258	2486	2530	-52	-25	9439	1795	11234	1361	12595	50.18
6	5288	119	640	6047	645	257	2594	2776	-52	-25	9700	2193	11893	1397	13290	49.92
7	5303	119	647	6069	645	296	3107	2400	-52	-25	9385	2975	12360	1561	13921	49.95
8	5169	104	644	5917	641	287	3094	3114	-52	-23	9936	3083	13019	1676	14695	49.64
9	5154	145	648	5947	640	283	3137	2980	-52	-39	9811	3357	13168	1901	15069	49.49
10	5211	185	645	6041	640	262	3441	3376	-267	-239	10080	3403	13483	2211	15694	49.73
11	5076	268	638	5982	639	307	3492	3938	-312	-292	10574	3135	13709	2461	16170	49.81
12	4973	343	630	5946	635	311	3480	4010	-312	-286	10616	3134	13750	2518	16268	49.80
13	5026	114	631	5771	629	266	3476	4128	-312	-279	10515	3112	13627	2504	16131	49.71
14	5024	119	631	5774	634	250	3476	4069	-312	-280	10447	3177	13624	2396	16020	50.05
15	4947	149	630	5726	626	192	3475	4336	-312	-282	10598	3277	13875	2436	16311	49.80
16	4971	134	628	5733	630	192	3475	4129	-312	-285	10399	3248	13647	2456	16103	49.75
17	4992	197	634	5823	635	183	3486	4404	-312	-291	10754	3092	13846	2456	16302	49.80
18	4981	337	632	5950	635	171	3485	4582	-312	-292	11046	2754	13800	2409	16209	49.77
19	5015	680	632	6327	637	192	3154	4397	-312	-295	11258	3396	14654	2508	17162	49.80
20	5066	338	638	6042	636	204	3170	4353	-312	-292	10943	3384	14327	2508	16835	49.90
21	5087	303	637	6027	637	205	3164	4377	-312	-281	10965	3137	14102	2347	16449	49.76
22	5093	129	644	5866	640	209	3078	4000	-312	-261	10454	3170	13624	2236	15860	50.04
23	5091	129	646	5866	641	210	2903	3620	-223	-206	10131	2944	13075	1981	15056	50.01
24	5120	139	638	5897	645	222	2785	3274	-110	-98	9940	2069	12009	1867	13876	50.25
MUs	122.75	4.64	15.26	142.64	15.34	5.66	73.90	84.32	-4.81	-4.18	243.78	66.60	310.39	49.01	359.39	49.90

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 21/Dec/2009

Position as on 6.30 Hrs of 22/Dec/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 5	210	25/11/2009	01:50		Continued.	AOH	29/12/2009
Koyna Unit 3	75	06/12/2009	05.45	21/12/2009	20:20	Pressure Shaft Problem.	
Koyna Unit 4	75	06/12/2009	06.30	21/12/2009	20:30	Pressure Shaft Problem.	
Koyna Unit 10	80	06/12/2009	11.00		Continued.	Retrofitting of Excitation System.	06/01/2010
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40	22/12/2009	04:12	Tripped	
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	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	Low Demand.	
Cent_Sect Tarapur 1	80	09/12/2009	09:22		Continued.	Condenser Tube Leakage.	31/12/2009
Dabhol 3B	230	10/12/2009	23.34		Continued.	Combustion Chamber Inspection.	30/12/2009
Dabhol 3X	290	10/12/2009	23.35		Continued.	Combustion Chamber Inspection.	30/12/2009
Cent_Sect NTPC(V-10)	500	19/12/2009	05:47	21/12/2009	06.15	Boiler Tube Leakage	
Parli Unit 3	210	20/12/2009	01.56	21/12/2009	22:07	Boiler Tube Leakage	
Parli Unit 2	30	20/12/2009	14.25	21/12/2009	01.34	Flame Failure.	
Khaparkheda Unit 1	210	21/12/2009	06:53	22/12/2009	20:33	Reheater Tube Leakage.	
Dabhol 2X	290	22/12/2009	04:47	22/12/2009	21:49	W/dn for CTG 2A Work 2 days outage.	
Dabhol 2B	230	22/12/2009	05:00	22/12/2009	20:43	W/Dn for CTG 2A Work 2 days outage.	
Koradi Unit 5	200	22/12/2009	11:48	22/12/2009	14:35	Aux Supply Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Dec/2009

Position as on 6.30 Hrs of 22/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
WARDHA-AKOLA-II	21/12/2009	14:29	21/12/2009	18:37	Oppertunity Outage for line Isolator work by PGCIL.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	16/12/2009	13:00		Continued.	H/T.
Voltage Level : 400KV			Outage Type TRIPPED		
DHULE-SAR'SAROVAR-I	17/12/2009	17.08		Continued.	Tower 3 and 4 Collapsed.
Dhule-Sar'Sarovar II	17/12/2009	22:33		Continued.	Tower 3 and 4 Collapsed.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
PADGHA-KHARGHAR	08/12/2009	10.52	21/12/2009	12:06	Line on TBC at Kharghar end for CB overhauling work.
Padgha-Lonikhand	19/12/2009	10.25		Continued.	LILO work at Chakan
Karad-Lonikand.	21/12/2009	05.14	21/12/2009	09:21	80 MVR Reactor Commissioning @ Karad end.
Main Bus-I at Jejuri	21/12/2009	10:51	21/12/2009	18:22	Pre Commissioning Work of 400/220 KV ICT-II at Jejuri.
M.Bus I at 400 KV Jejuri	22/12/2009	10:50	22/12/2009	15:50	Recommissioning work of New 400/220 KV ICT - 2.
Karad-New Koyna II	22/12/2009	14:40	22/12/2009	17:07	Insulator Replacement Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/100 125 MVA ICT - II @ Trombay	19/12/2009	00.27	22/12/2009	00:59	I/S.
220 KV Main Bus - II @ 400 KV Kalwa	20/12/2009	09.20	21/12/2009	16:50	Replacement of PT's Under LES & Maint.Work.
Aarey - Borivali	21/12/2009	07:05	21/12/2009	09:28	For Attending Hot Spot.
Tata-Tie-2 at Trombay.	21/12/2009	07:54	21/12/2009	08:44	Main Bus I Breaker Testing.
Pedambe-Kharepatan	21/12/2009	09:00	21/12/2009	16:30	Line Insulator Work.
Talangade-Mudshingi-II	21/12/2009	11:11	21/12/2009	17:07	Q.M. and Testing Work.
220/132, 200MVA ICT II at Jalna	21/12/2009	11:35	21/12/2009	19:15	Fire fighting Scheme/CTR Commissioning Work.
220/132 KV 125 MVA ICT - II at Borivali.	21/12/2009	12:12	21/12/2009	12:50	For Attending Hot Spot.
Karad - Miraj	22/12/2009	08:20	22/12/2009	17:46	Insulator Replacement.
Pedambe-Kharepatan	22/12/2009	08:45	22/12/2009	15:10	Insulator Washing.
220/100 KV,100 MVA T/F.I at Taloja.	22/12/2009	11:00	22/12/2009	21:02	LA Repl and TAN-DELTA Measurment.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Arvi-Talegaon	21/12/2009	11:50	21/12/2009	17:20	Replacement of Distance Protn., Scheme.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dhule - Babhaleshwar - I	18/12/2009	23.14	21/12/2009	17:31	To attend Main CB compressor air leakage.taken on Own Breaker.
Kalwa-Padgha II	22/12/2009	06:30	22/12/2009	13:48	Insulator replacement on Loc. 1110
400/220 KV 315 ICT-I DHULE	22/12/2009	09:58	22/12/2009	19:38	To Attend damaged Isolator ICT taken on TBC.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Dec/2009

Position as on 6.30 Hrs of 22/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Taloja-OCIL-I	22/12/2009	12:00	22/12/2009	17:10	To Attend CB Problem.
Uran-ONGC	22/12/2009	15:32	22/12/2009	17:12	To Attend Red Hot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	21/12/2009	11:56	21/12/2009	15:34	H/T to Control Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Bhenda	12/12/2009	09:39		Continued.	H/T at A'Bad to control ICT loading
Khaparkheda-Ambazari ckt - I	21/12/2009	14:17	21/12/2009	14:46	H/T to attend V.T. Selection Relay Problem.
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand-Karad	21/12/2009	18:02	21/12/2009	18:16	Trip, Direct trip on Remote fault, Auto Reclose Lockout.
Lonikand-Karad	22/12/2009	15:13	22/12/2009	15:47	Trip on Reactor Protn.(Charged without Reactor).
Voltage Level : 220KV			Outage Type TRIPPED		
220/33KV 50MVA T/F-I at Jalna	20/12/2009	23:55	21/12/2009	00:05	Tripped on Internal Fault.
Pedambe-Kharepatan	22/12/2009	16:50	22/12/2009	20:02	R Ph LA Burst (LA by pass).

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	60
Unit 3	105	0
Unit 4	105	75
Unit 5	200	165
Unit 6	210	160
Unit 7	210	170
	1040	700
Bhusawal		
Unit 1	58	25
Unit 2	210	180
Unit 3	210	190
	478	395
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	155
Unit 4	210	190
Unit 5	210	180
Unit 6	250	220
	940	785
Chandrapur		
Unit 1	210	155
Unit 2	210	160
Unit 3	210	180
Unit 4	210	180
Unit 5	500	450
Unit 6	500	425
Unit 7	500	450
	2340	2000
Paras		
Unit 2	55	35
Unit 3	250	225
	305	260
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	610
Nasik		
Unit 1	120	91
Unit 2	120	91
Unit 3	210	182
Unit 4	210	187
Unit 5	210	0
	870	551
Uran		
All Units	852	630
	852	630
Koyna		
Stage 1-2	600	460
Stage 4	1000	250
Stage 3	320	240
	1920	950
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	19
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	40
BHIRA T.R.	80	41
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	185
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	300
RGPL III	740	
	1700	300
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	90
Trombay 8	250	170
TATA Hydro	444	447
	2024	1827
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3105
	3143	3105