



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Dec/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.524	2640.012	1) Madhya Pradesh	65.055	1464.777
2) Hydro	9.154	178.800	2) Gujrat	19.403	395.533
3) Gas	15.399	322.265	3) Goa	-6.775	-137.240
Total MSGENCO	151.077	3141.077	4) TAPS 1&2 (Inj.)	3.627	111.527
B) OTHERS			5) Pench (Excess)	0.000	-1.668
1) RGPPL Gas	9.807	392.543	# Total Cent. Sector	81.310	1832.929
2) Wind Generation	5.517	60.812	F) Other Exchanges		
3) PENCH (MS)	0.000	1.668	1) With TPCL	-3.704	-88.718
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.977	554.541	1) MSEDCL Bilateral	6.883	129.489
2) TPCL Hydro	4.590	104.725	Include PX	1.203	66.675
TOTAL TPCL	32.567	659.266	2) MUMBAI Bilateral	4.757	106.583
3) REL Thermal	12.708	279.598	Include PX	0.000	5.057
D) STATE			3) MUMBAI Schedule	4.757	106.583
1) Thermal (A1+C1+C3)	167.209	3474.151	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	13.744	285.193	1) MSEDCL	244.007	5340.311
3) Gas (A3+B1)	25.206	714.808	2) TPCL	32.467	674.737
4) Wind (B2)	5.517	60.812	3) REL	16.510	352.800
TOTAL STATE	211.676	4534.964	TOTAL STATE	292.984	6367.848

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	5271	5418	5143
MSGENCO Hydro	615	448	133
MSGENCO Gas	640	652	640
MSGENCO Total Generation	6526	6518	5916
Central Sector Receipt	3706	4420	2508
RGPPL	340	338	645
WIND	406	153	278
Exchange with TPCL	-259	-289	5
MSEDCL DEMAND MET	10719	11140	9352
Load Shedding	3210	3462	204
MSEDCL DEMAND (INCL. LS)	13929	14602	9556
TPCL GENERATION	1632	1660	875
REL GENERATION	528	524	533
TPCL+REL DEMAND	2419	2473	1403
STATE DEMAND MET	13138	13613	10755
STATE DEMAND (INCL. LS)	16348	17075	10959
Frequency (Hz)	49.82	49.63	50.12
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4657 MW AT 21.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			71.39 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.42 Hz at 00.12 Hrs	49.22 Hz at 16.34 Hrs	49.85	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 22/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.72	31.03	79	54	70
Unit 2	1.46	36.54	65	50	60
Unit 3	0.00	30.71	0	0	0
Unit 4	1.49	16.22	84	25	75
Unit 5	3.27	77.60	182	0	165
Unit 6	4.16	50.54	192	138	160
Unit 7	4.32	87.46	196	147	170
	16.42	330.10			700
Bhusawal					
Unit 1	0.69	24.05	52	20	25
Unit 2	4.13	76.26	182	148	180
Unit 3	4.40	96.03	188	179	190
	9.22	196.34			395
Parli					
Unit 1	0.55	11.66	24	22	20
Unit 2	0.41	11.74	22	13	20
Unit 3	3.82	79.40	186	49	155
Unit 4	4.69	102.63	209	173	190
Unit 5	4.25	80.63	189	158	180
Unit 6	4.88	108.17	233	174	220
	18.60	394.22			785
Chandrapur					
Unit 1	3.64	78.95	158	146	155
Unit 2	3.92	81.91	167	157	160
Unit 3	4.26	79.81	201	141	180
Unit 4	4.29	85.54	200	138	180
Unit 5	10.30	189.10	444	398	450
Unit 6	10.13	192.30	440	395	425
Unit 7	10.55	219.20	458	406	450
	47.09	926.79			2000
Paras					
Unit 2	1.14	12.39	50	45	35
Unit 3	5.24	101.60	234	195	225
	6.38	113.99			260
Khaparkheda					
Unit 1	0.26	92.17	85	0	0
Unit 2	4.68	94.26	200	180	190
Unit 3	4.98	96.81	214	194	210
Unit 4	4.91	103.53	213	190	210
	14.82	386.77			610
Nasik					
Unit 1	2.28	49.45	105	64	91
Unit 2	2.33	48.66	108	82	91
Unit 3	4.77	95.46	207	187	182
Unit 4	4.61	98.23	202	182	187
Unit 5	0.00	0.00	0	0	0
	13.99	291.80			551
Uran					
All Units	15.40	322.26	662	629	630
	15.40	322.26			630
Koyna					
Stage 1-2	2.15	40.37	295	40	460
Stage 4	1.77	56.80	280	0	250
Koyna 12&4 Total	3.92	97.17			710

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.16	20.85	238	0	240
	5.08	118.02			950
Hydro					
KDPH	0.47	1.26	20	18	19
VTRNA	0.00	0.00	0	0	0
TILLARI	0.37	8.31	60	0	60
BHTGR/VEER	1.30	20.72	54	54	40
BHIRA T.R.	0.29	5.85	42	0	41
RNGR+BHTSA	0.36	7.35	15	15	15
BHANDARDRA	0.00	0.05	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.04	1.12	10	0	10
GHATGHAR	1.24	16.12	125	0	0
	4.07	60.78			185
PENCH (MS)					
Pench (MS)	0.00	1.67	0	0	
	0.00	1.67			
Wind					
MalharPeth	0.37	3.55			
Vankuswadi	0.70	8.82			
ATIT	0.22	1.94			
Kale	0.24	2.70			
Satara	0.23	3.72			
Shirala	0.24	2.70			
K Mahankal	0.06	1.27			
Supa	0.10	1.32			
Vita	0.73	13.55			
Dondaicha	1.47	9.82			
Sakri	0.25	2.01			
Nandurbar	0.14	1.05			
Khadakale	0.30	4.16			
Khaparale	0.47	4.20			
	5.52	60.81			
Dabhol					
RGPPPL II	9.81	392.54	647	333	300
RGPPPL III	0.00	0.00	0	0	
	9.81	392.54			300
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	11.66	250.29	500	380	500
Trombay 6	8.70	203.24	510	150	500
Trombay 7A	2.30	56.46	126	71	120
Trombay 7B	1.46	33.46	69	53	90
Trombay 8	3.86	9.26	250	150	170
TATA Hydro	4.59	104.72	473	0	447
	32.57	659.27			1827
REL					
1&2	12.71	279.60	533	524	500
	12.71	279.60			500
Cent Sect					
Share		0.00			3105
		0.00			3105

MS PG CL	Thermal	126.52	2640.01		5301
	Thml+Gas	141.92	2962.28		5931
	Hydro	9.15	178.80		1135
	Total	151.08	3141.08		7066
State Total		211.68	4534.96		12798

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	5088	127	640	5855	645	244	2611	2421	-48	5	9170	891	10061	1700	11761	50.20
2	5105	127	640	5872	647	263	2611	2589	-48	6	9377	891	10268	1541	11809	50.22
3	5095	137	640	5872	645	269	2611	2407	-48	4	9197	601	9798	1451	11249	50.12
4	5143	133	640	5916	645	278	2611	2508	-48	5	9352	204	9556	1403	10959	50.12
5	5199	129	639	5967	624	268	2611	2552	-48	5	9416	155	9571	1402	10973	50.02
6	5262	134	635	6031	345	303	2743	3082	-48	3	9764	1955	11719	1497	13216	49.71
7	5310	129	640	6079	337	271	3219	2789	-48	5	9481	3114	12595	1612	14207	49.64
8	5372	254	644	6270	336	282	3213	2915	-48	3	9806	3442	13248	1714	14962	49.86
9	5344	380	631	6355	337	242	3208	2809	-51	2	9745	3613	13358	1879	15237	49.71
10	5355	572	634	6561	339	303	3458	3260	-266	-210	10253	3526	13779	2208	15987	50.05
11	5271	615	640	6526	340	406	3500	3706	-311	-259	10719	3210	13929	2419	16348	49.82
12	5206	598	638	6442	339	279	3496	3700	-311	-260	10500	3240	13740	2491	16231	49.68
13	5162	627	636	6425	337	212	3500	4002	-311	-277	10699	3213	13912	2448	16360	49.73
14	5126	677	634	6437	337	153	3498	3844	-311	-281	10490	3261	13751	2378	16129	49.80
15	5152	538	629	6319	333	118	3498	4185	-311	-282	10673	3386	14059	2399	16458	49.64
16	5243	789	629	6661	335	116	3498	3303	-311	-286	10129	3286	13415	2417	15832	49.57
17	5308	692	634	6634	338	109	3498	3918	-311	-288	10711	3249	13960	2405	16365	49.70
18	5315	495	642	6452	338	125	3496	4458	-311	-290	11083	2932	14015	2396	16411	49.80
19	5384	636	646	6666	338	154	3067	4324	-311	-289	11193	3266	14459	2500	16959	49.66
20	5418	448	652	6518	338	153	3081	4420	-311	-289	11140	3462	14602	2473	17075	49.63
21	5469	496	655	6620	341	182	3085	4298	-311	-257	11184	3223	14407	2324	16731	49.64
22	5448	163	659	6270	357	211	3089	3852	-311	-256	10434	3247	13681	2120	15801	49.97
23	5389	129	662	6180	416	274	2998	3025	-222	-162	9733	2961	12694	1981	14675	49.98
24	5360	129	660	6149	420	302	2880	2943	-109	-56	9758	2120	11878	1821	13699	50.14
MUs	126.52	9.15	15.40	151.08	9.81	5.52	75.08	81.31	-4.76	-3.70	244.01	62.45	306.46	48.98	355.43	49.85

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 22/Dec/2009

Position as on 6.30 Hrs of 23/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 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
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.	
Paras Unit 3	250	23/12/2009	08.50	23/12/2009	11.12	Furnace Pressure High.	
Dabhol 2A	230	23/12/2009	09.13	23/12/2009	16.30	Strainer Cleaning.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Dec/2009

Position as on 6.30 Hrs of 23/Dec/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	16/12/2009	13:00		Continued.	H/T.
Kolhapur-Mapusa Ckt I	23/12/2009	00:09	23/12/2009	09.22	H/T for O/V.
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-Lonikhand	19/12/2009	10.25		Continued.	LILO work at Chakan
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
Bus Section-III at Nasik GCR	17/12/2009	10.55	23/12/2009	16:01	Replacement of Breaker
220/100 125 MVA ICT - II @ Trombay	19/12/2009	00.27	22/12/2009	00:59	I/S.
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.
Vita - Pandharpur	23/12/2009	08.50	23/12/2009	17.00	Insulator Replacement.
Talandgade-Ichalkaranj -II	23/12/2009	10.02	23/12/2009	13.02	Q.M.,Testing Work.
220/132 KV 100 MVA ICT - I @ Bale	23/12/2009	10.05	23/12/2009	12.40	Q.M.Work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Achalpur - Anjangaon	21/12/2009	10:05	23/12/2009	14.50	CT Replacement Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
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		
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 : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Bhenda	12/12/2009	09.39		Continued.	H/T at A'Bad to control ICT loading
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand-Karad	22/12/2009	15:13	22/12/2009	15:47	Trip on Reactor Protn.(Charged without Reactor).
Jejuri-Koyna STG-IV	23/12/2009	12.54	23/12/2009	22.53	Distanace Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
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 23/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	0
Unit 4	105	70
Unit 5	200	180
Unit 6	210	170
Unit 7	210	180
	1040	750
Bhusawal		
Unit 1	58	25
Unit 2	210	180
Unit 3	210	190
	478	395
Parli		
Unit 1	30	23
Unit 2	30	18
Unit 3	210	175
Unit 4	210	195
Unit 5	210	175
Unit 6	250	210
	940	796
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2050
Paras		
Unit 2	55	45
Unit 3	250	225
	305	270
Khaparkheda		
Unit 1	210	150
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	760
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	195
Unit 4	210	190
Unit 5	210	0
	870	585
Uran		
All Units	852	620
	852	620
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	18
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	40
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	173
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	600
RGPL III	740	
	1700	600
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1857
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3063
	3143	3063

	17616	13509
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