



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Dec/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.759	2767.771	1) Madhya Pradesh	63.764	1528.541
2) Hydro	6.756	185.556	2) Gujrat	18.312	413.845
3) Gas	15.523	337.788	3) Goa	-6.799	-144.039
Total MSGENCO	150.038	3291.115	4) TAPS 1&2 (Inj.)	3.636	115.163
B) OTHERS			5) Pench (Excess)	-0.171	-1.839
1) RGPPL Gas	17.452	409.995	# Total Cent. Sector	78.742	1911.671
2) Wind Generation	4.933	65.745	F) Other Exchanges		
3) PENCH (MS)	0.171	1.839	1) With TPCL	-3.841	-92.559
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.450	581.991	1) MSEDCL Bilateral	6.770	136.259
2) TPCL Hydro	4.300	109.025	Include PX	1.090	67.766
TOTAL TPCL	31.750	691.016	2) MUMBAI Bilateral	4.817	111.400
3) REL Thermal	12.677	292.275	Include PX	0.000	5.057
D) STATE			3) MUMBAI Schedule	4.817	111.400
1) Thermal (A1+C1+C3)	167.886	3642.037	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	11.227	296.420	1) MSEDCL	247.495	5587.806
3) Gas (A3+B1)	32.975	747.783	2) TPCL	31.706	706.443
4) Wind (B2)	4.933	65.745	3) REL	16.560	369.360
TOTAL STATE	217.021	4751.985	TOTAL STATE	295.761	6663.609

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	5193	5282	5537
MSGENCO Hydro	333	928	117
MSGENCO Gas	608	654	651
MSGENCO Total Generation	6134	6864	6305
Central Sector Receipt	4021	3845	2109
RGPPL	619	859	642
WIND	150	124	319
Exchange with TPCL	-262	-304	6
MSEDCL DEMAND MET	10662	11415	9381
Load Shedding	3173	3335	0
MSEDCL DEMAND (INCL. LS)	13835	14750	9381
TPCL GENERATION	1655	1644	893
REL GENERATION	524	523	532
TPCL+REL DEMAND	2441	2471	1419
STATE DEMAND MET	13103	13886	10800
STATE DEMAND (INCL. LS)	16276	17221	10800
Frequency (Hz)	49.65	49.90	50.09
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4218 MW AT 21.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			63.97 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.37 Hz at 06.36 Hrs	49.24 Hz at 15.12 Hrs	49.84	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 23/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.96	33.00	86	72	80
Unit 2	1.82	38.36	79	70	70
Unit 3	0.00	30.71	0	0	0
Unit 4	0.47	16.70	74	0	70
Unit 5	4.13	81.73	180	167	180
Unit 6	4.12	54.65	185	160	170
Unit 7	4.25	91.71	191	164	180
	16.75	346.85			750
Bhusawal					
Unit 1	0.62	24.67	32	22	25
Unit 2	4.32	80.58	188	173	180
Unit 3	4.51	100.54	195	175	190
	9.45	205.79			395
Parli					
Unit 1	0.56	12.22	25	20	23
Unit 2	0.54	12.28	24	20	18
Unit 3	3.56	82.96	189	129	175
Unit 4	4.80	107.43	209	189	195
Unit 5	4.32	84.95	189	163	175
Unit 6	4.57	112.74	228	172	210
	18.35	412.57			796
Chandrapur					
Unit 1	3.37	82.32	154	119	160
Unit 2	3.26	85.17	164	109	160
Unit 3	3.96	83.77	189	114	170
Unit 4	4.15	89.70	198	136	210
Unit 5	10.73	199.82	464	436	450
Unit 6	10.42	202.72	455	402	450
Unit 7	10.56	229.76	462	406	450
	46.46	973.25			2050
Paras					
Unit 2	1.11	13.50	49	40	45
Unit 3	4.43	106.03	232	0	225
	5.54	119.53			270
Khaparkheda					
Unit 1	4.36	96.53	196	108	150
Unit 2	4.58	98.84	199	182	190
Unit 3	5.10	101.92	214	212	210
Unit 4	4.57	108.10	212	169	210
	18.62	405.38			760
Nasik					
Unit 1	2.35	51.80	102	91	100
Unit 2	0.76	49.42	100	0	100
Unit 3	4.80	100.26	206	192	195
Unit 4	4.68	102.91	205	186	190
Unit 5	0.00	0.00	0	0	0
	12.59	304.39			585
Uran					
All Units	15.52	337.79	674	600	620
	15.52	337.79			620
Koyna					
Stage 1-2	1.43	41.80	200	35	600
Stage 4	1.08	57.87	249	0	250
Kovna 12&4 Total	2.50	99.67			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.83	21.68	240	0	240
	3.33	121.35			1090
Hydro					
KDPH	0.48	1.74	20	19	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.23	8.54	59	0	60
BHTGR/VEER	0.91	21.63	39	38	40
BHIRA T.R.	0.24	6.09	41	0	40
RNGR+BHTSA	0.35	7.70	15	13	15
BHANDARDRA	0.00	0.05	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	1.12	0	0	0
GHATGHAR	1.22	17.34	125	0	0
	3.42	64.21			173
PENCH (MS)					
Pench (MS)	0.17	1.84	27	0	0
	0.17	1.84			0
Wind					
MalharPeth	0.24	3.79			
Vankuswadi	0.60	9.42			
ATIT	0.12	2.06			
Kale	0.22	2.92			
Satara	0.18	3.91			
Shirala	0.25	2.95			
K Mahankal	0.30	1.56			
Supa	0.06	1.38			
Vita	1.06	14.62			
Dondaicha	1.06	10.88			
Sakri	0.14	2.15			
Nandurbar	0.12	1.18			
Khadakale	0.36	4.52			
Khaparale	0.21	4.41			
	4.93	65.74			
Dabhol					
RGPP L II	17.45	410.00	972	412	600
RGPP L III	0.00	0.00	0	0	
	17.45	410.00			600
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	11.62	261.91	500	425	500
Trombay 6	8.62	211.86	510	150	500
Trombay 7A	2.30	58.76	118	70	100
Trombay 7B	1.45	34.91	67	53	60
Trombay 8	3.46	12.72	154	108	250
TATA Hydro	4.30	109.02	446	0	447
	31.75	691.02			1857
REL					
1&2	12.68	292.28	533	522	500
	12.68	292.28			500
Cent Sect					
Share		0.00			3063
		0.00			3063

MS PG CL	Thermal	127.76	2767.77		5606
	Thml+Gas	143.28	3105.56		6226
	Hydro	6.76	185.56		1263
	Total	150.04	3291.12		7489
State Total		217.02	4751.98		13509

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/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	5396	110	650	6156	412	321	2621	2610	-52	3	9502	1014	10516	1660	12176	50.10
2	5502	110	651	6263	540	337	2621	2301	-52	5	9446	534	9980	1470	11450	50.20
3	5537	117	651	6305	642	319	2621	2109	-52	6	9381	0	9381	1419	10800	50.09
4	5494	112	652	6258	653	329	2621	2183	-52	7	9430	0	9430	1406	10836	50.01
5	5495	118	651	6264	695	342	2621	2289	-52	8	9598	698	10296	1395	11691	49.99
6	5485	118	648	6251	749	379	2736	2549	-52	7	9950	1915	11865	1456	13321	49.79
7	5495	113	659	6267	829	409	3207	2582	-52	4	10114	2624	12738	1608	14346	49.97
8	5491	113	672	6276	918	282	3202	2948	-52	4	10448	2747	13195	1684	14879	49.78
9	5361	123	666	6150	742	196	3197	3357	-52	3	10448	3231	13679	1862	15541	49.59
10	5200	170	656	6026	631	178	3442	3486	-268	-211	10110	3329	13439	2196	15635	49.68
11	5104	295	647	6046	623	172	3480	4106	-312	-258	10689	3085	13774	2394	16168	49.69
12	5193	333	608	6134	619	150	3471	4021	-312	-262	10662	3173	13835	2441	16276	49.65
13	5252	277	600	6129	618	103	3471	3938	-312	-301	10487	3117	13604	2430	16034	49.78
14	5245	243	606	6094	615	100	3475	4120	-312	-302	10627	3134	13761	2330	16091	49.80
15	5264	415	628	6307	613	76	3483	3933	-312	-304	10625	3220	13845	2379	16224	49.79
16	5262	632	628	6522	608	67	3483	3569	-312	-304	10462	3136	13598	2368	15966	49.54
17	5279	569	632	6480	622	80	3483	3909	-312	-304	10792	3164	13956	2391	16347	49.75
18	5288	666	648	6602	684	96	3488	3824	-312	-302	10931	2850	13781	2389	16170	49.89
19	5282	928	654	6864	859	124	3067	3845	-312	-304	11415	3335	14750	2471	17221	49.90
20	5206	579	655	6440	946	129	3082	3941	-312	-303	11176	3440	14616	2464	17080	49.72
21	5197	282	656	6135	947	146	3085	4103	-312	-256	11098	3153	14251	2265	16516	49.58
22	5258	116	665	6039	958	187	3088	3619	-312	-257	10554	3173	13727	2092	15819	49.97
23	5247	106	669	6022	957	199	2913	2890	-223	-163	9905	2848	12753	1908	14661	49.74
24	5253	111	674	6038	972	211	2661	2524	-110	-57	9688	2085	11773	1790	13563	50.09
MUs	127.79	6.76	15.53	150.07	17.45	4.93	74.62	78.76	-4.82	-3.84	247.54	59.00	306.54	48.27	354.81	49.84

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 23/Dec/2009

Position as on 6.30 Hrs of 24/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							
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
Koradi Unit 3	105	21/12/2009	12:40	24/12/2009	09:56	ESP Work.	
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.	
Chandrapur Unit 2	210	24/12/2009	07.12	24/12/2009	12.48	Drum level High.	
Dabhol 2A	230	24/12/2009	13.00	24/12/2009	20.05	Withdrawn.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Dec/2009

Position as on 6.30 Hrs of 24/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Bhoisor (PGCIL)	24/12/2009	10.48	24/12/2009	13.45	Oil topping of line reactor.
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.
KOLHAPUR-MAPUSA-II	23/12/2009	23.59	24/12/2009	10.27	Hand Tripped to Control Over Voltage.
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
400/220 KV,315 MVA ICT-II at Lonikand	24/12/2009	09.08	24/12/2009	18.52	Q.M.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
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
Chinchwad-Urse	24/12/2009	09.00	24/12/2009	19.36	Insulator replacement work.
Khaparkhedha - Kanhan - II	24/12/2009	09.02	24/12/2009	15.08	Insulator replacement work.
Pedambe-Kharepatan	24/12/2009	09.15	24/12/2009	17.30	C.T.Meggering work.
Borivali-Boisar	24/12/2009	09.54	24/12/2009	14.55	Hot Line work.
URAN_HOCL	24/12/2009	10.00	24/12/2009	18.30	Hot Spot and R.M.work
220/66KV,50 MVA ICT-I at wardha.	24/12/2009	10.00	24/12/2009	13.46	To attend oil leakage.
220/132KV,100MVA ICT-II at Kanhan	24/12/2009	12.00	24/12/2009	14.39	Oil top up in OLTC tank.
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 HAND TRIPPED		
Main Bus-I at Dhule	17/12/2009	19.22	24/12/2009	09.17	H/T for isolating Bus-I at Dhule
Bus Coupler at Dhule	17/12/2009	19.22	24/12/2009	09.17	H/T for Isolating Bus-I at Dhule
Bhusawal- Aurangabad	21/12/2009	19:03	24/12/2009	10.24	H/T to control voltage Charge from Aurangabad end.
Karad-Lonikand.	24/12/2009	11.37	24/12/2009	11.57	For taking 80 MVAR reactor in service.
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- Koyna Stage IV	23/12/2009	12.54	24/12/2009	07.01	Distanace Protection.
Jejuri-Koyna STG-IV	23/12/2009	12.54	23/12/2009	22.53	Distanace Protection.
400/220 KV,315 MVA ICT-I at Parly.	24/12/2009	07.45	24/12/2009	16.26	B Ph.Buchholz trip.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Dec/2009

Position as on 6.30 Hrs of 24/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type TRIPPED		
Chandrapur-Warora - I	24/12/2009	13.25	24/12/2009	13.36	Tripped at Warora end only without any indication.
Alephata-Kathapur	24/12/2009	20.35	24/12/2009	21.00	Distance protection .
Chinchwad-Theur	24/12/2009	20.37	24/12/2009	21.18	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	85
Unit 2	105	70
Unit 3	105	0
Unit 4	105	0
Unit 5	200	170
Unit 6	210	160
Unit 7	210	165
	1040	650
Bhusawal		
Unit 1	58	52
Unit 2	210	180
Unit 3	210	190
	478	422
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	150
Unit 4	210	200
Unit 5	210	180
Unit 6	250	220
	940	796
Chandrapur		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	130
Unit 4	210	150
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	1920
Paras		
Unit 2	55	50
Unit 3	250	220
	305	270
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	800
Nasik		
Unit 1	120	100
Unit 2	120	0
Unit 3	210	195
Unit 4	210	185
Unit 5	210	0
	870	480
Uran		
All Units	852	640
	852	640
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	30
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	173
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	900
RGPL 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	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3060
	3143	3060