



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Dec/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	131.535	3660.433	1) Madhya Pradesh	50.775	1934.431
2) Hydro	3.446	218.821	2) Gujrat	18.772	538.257
3) Gas	15.811	440.854	3) Goa	-6.295	-186.889
Total MSGENCO	150.792	4320.108	4) TAPS 1&2 (Inj.)	3.676	140.764
B) OTHERS			5) Pench (Excess)	-0.067	-3.093
1) RGPPL Gas	22.942	565.957	# Total Cent. Sector	66.861	2423.470
2) Wind Generation	2.054	79.428	F) Other Exchanges		
3) PENCH (MS)	0.067	3.093	1) With TPCL	-3.551	-113.536
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	23.493	746.905	1) MSEDCL Bilateral	3.641	171.743
2) TPCL Hydro	2.318	122.640	Include PX	0.000	69.608
TOTAL TPCL	25.811	869.545	2) MUMBAI Bilateral	4.600	139.457
3) REL Thermal	12.578	381.149	Include PX	0.000	4.600
D) STATE			3) MUMBAI Schedule	4.600	139.457
1) Thermal (A1+C1+C3)	167.606	4788.487	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	5.831	344.554	1) MSEDCL	239.165	7278.520
3) Gas (A3+B1)	38.753	1006.811	2) TPCL	27.795	896.261
4) Wind (B2)	2.054	79.428	3) REL	14.141	467.917
TOTAL STATE	214.244	6219.280	TOTAL STATE	281.101	8642.698

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5667	5488	5349
MSGENCO Hydro	294	261	80
MSGENCO Gas	660	658	665
MSGENCO Total Generation	6621	6407	6094
Central Sector Receipt	3018	3754	1846
RGPPL	962	962	945
WIND	33	97	140
Exchange with TPCL	-275	-243	46
MSEDCL DEMAND MET	10359	10977	9071
Load Shedding	3106	3495	0
MSEDCL DEMAND (INCL. LS)	13465	14472	9071
TPCL GENERATION	1421	1394	699
REL GENERATION	530	524	510
TPCL+REL DEMAND	2226	2161	1163
STATE DEMAND MET	12585	13138	10234
STATE DEMAND (INCL. LS)	15691	16633	10234
Frequency (Hz)	49.75	49.70	50.19
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4090 MW At 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			55.65 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.5 Hz at 05.04 Hrs	49.05 Hz at 19.35 Hrs	49.92	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 30/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	2.01	46.88	87	81	80
Unit 2	1.52	42.74	76	12	60
Unit 3	1.78	39.93	80	67	70
Unit 4	1.94	24.83	88	68	70
Unit 5	3.61	108.15	163	128	160
Unit 6	3.96	82.00	174	156	160
Unit 7	3.92	119.74	183	141	160
	18.75	464.26			760
Bhusawal					
Unit 1	1.24	32.83	63	46	50
Unit 2	4.27	110.60	186	161	180
Unit 3	4.28	130.76	189	172	190
	9.78	274.19			420
Parli					
Unit 1	0.55	16.08	24	20	23
Unit 2	0.57	16.17	26	22	23
Unit 3	3.66	108.19	160	140	155
Unit 4	4.82	139.65	209	183	200
Unit 5	4.13	114.70	181	166	190
Unit 6	5.90	153.04	257	232	245
	19.63	547.84			836
Chandrapur					
Unit 1	3.44	106.85	146	140	150
Unit 2	3.56	109.42	157	129	160
Unit 3	3.41	111.84	169	91	200
Unit 4	4.12	118.39	188	155	210
Unit 5	10.12	269.64	440	380	450
Unit 6	9.76	270.69	421	368	450
Unit 7	10.94	301.40	470	422	450
	45.35	1288.23			2070
Paras					
Unit 2	1.10	20.88	48	40	46
Unit 3	5.39	138.13	234	214	240
	6.48	159.01			286
Khaparkheda					
Unit 1	4.62	128.94	204	184	190
Unit 2	2.66	126.32	197	0	0
Unit 3	5.10	136.94	215	198	210
Unit 4	4.90	142.29	214	178	210
	17.27	534.48			610
Nasik					
Unit 1	2.18	67.29	100	80	95
Unit 2	0.00	51.88	0	0	0
Unit 3	5.03	134.82	215	207	130
Unit 4	4.76	135.98	205	187	180
Unit 5	2.30	2.45	174	0	130
	14.27	392.42			535
Uran					
All Units	15.81	440.85	668	646	650
	15.81	440.85			650
Koyna					
Stage 1-2	1.14	51.52	80	35	600
Stage 4	0.00	59.46	0	0	250
Kovna 12&4 Total	1.14	110.98			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.10	23.73	90	0	240
	1.23	134.71			1090
Hydro					
KDPH	0.00	2.07	0	0	0
VTRNA	0.26	0.26	61	0	0
TILLARI	0.36	11.10	60	0	60
BHTGR/VEER	0.04	26.41	27	0	12
BHIRA T.R.	0.08	6.72	32	0	50
RNGR+BHTSA	0.36	9.92	15	15	15
BHANDARDRA	0.34	2.76	15	14	45
ELDARY	0.23	1.05	11	5	0
PAITHAN	0.06	1.31	9	0	10
GHATGHAR	0.47	22.50	125	0	0
	2.22	84.11			192
PENCH (MS)					
Pench (MS)	0.07	3.09	27	0	0
	0.07	3.09			0
Wind					
MalharPeth	0.04	4.30			
Vankuswadi	0.04	11.03			
ATIT	0.02	2.34			
Kale	0.03	3.47			
Satara	0.38	5.03			
Shirala	0.03	3.54			
K Mahankal	0.01	1.97			
Supa	0.07	1.76			
Vita	0.14	17.89			
Dondaicha	0.82	13.65			
Sakri	0.14	2.61			
Nandurbar	0.15	1.71			
Khadakale	0.14	5.32			
Khaparale	0.05	4.80			
	2.05	79.43			
Dabhol					
RGPP L II	22.94	565.96	966	942	960
RGPP L III	0.00	0.00	0	0	0
	22.94	565.96			960
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	9.73	331.95	500	200	500
Trombay 6	4.25	245.92	250	150	500
Trombay 7A	3.01	79.29	129	121	120
Trombay 7B	1.64	46.26	69	67	60
Trombay 8	4.86	41.66	250	150	250
TATA Hydro	2.32	122.64	309	0	447
	25.81	869.54			1877
REL					
1&2	12.58	381.15	532	477	500
	12.58	381.15			500
Cent Sect					
Share		0.00			3190
		0.00			3190

MS PG CL	Thermal	131.54	3660.43		5517
	Thml+Gas	147.35	4101.29		6167
	Hydro	3.45	218.82		1282
	Total	150.79	4320.11		7449
State Total		214.24	6219.28		13976

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	5350	85	668	6103	949	174	2602	2018	-37	18	9262	423	9685	1319	11004	50.14
2	5339	80	666	6085	948	139	2602	1834	-37	26	9032	0	9032	1231	10263	50.18
3	5349	80	665	6094	945	140	2602	1846	-37	46	9071	0	9071	1163	10234	50.19
4	5320	95	664	6079	943	146	2602	1988	-37	57	9213	0	9213	1123	10336	50.19
5	5244	80	666	5990	942	162	2602	2055	-37	34	9183	723	9906	1140	11046	50.20
6	5336	85	667	6088	943	154	2550	2208	-37	-12	9381	1995	11376	1219	12595	50.00
7	5429	80	668	6177	957	108	2758	2252	-44	-6	9488	2619	12107	1345	13452	49.88
8	5510	86	668	6264	956	96	2758	2795	-44	-7	10104	3136	13240	1417	14657	49.86
9	5565	100	666	6331	950	60	2681	2476	-44	-42	9775	3419	13194	1637	14831	49.88
10	5565	153	656	6374	956	34	3122	2757	-260	-201	9920	3362	13282	2038	15320	49.69
11	5654	323	650	6627	960	33	3177	3046	-305	-260	10406	3049	13455	2197	15652	49.78
12	5667	294	660	6621	962	33	3133	3018	-305	-275	10359	3106	13465	2226	15691	49.75
13	5727	200	657	6584	952	35	3132	3122	-306	-297	10396	3123	13519	2169	15688	49.84
14	5674	178	646	6498	959	40	3133	3083	-306	-298	10282	3156	13438	2080	15518	49.94
15	5679	85	646	6410	960	49	3132	3028	-306	-296	10151	3250	13401	2065	15466	49.92
16	5673	90	648	6411	966	69	3134	2979	-306	-297	10128	3146	13274	2097	15371	49.85
17	5468	79	650	6197	960	68	3142	3369	-306	-294	10317	3121	13438	2078	15516	49.81
18	5417	97	652	6166	961	79	3166	3593	-306	-292	10530	2834	13364	2077	15441	49.72
19	5496	342	655	6493	962	94	3041	3739	-306	-244	11071	3392	14463	2168	16631	49.77
20	5488	261	658	6407	962	97	3119	3754	-306	-243	10977	3495	14472	2161	16633	49.70
21	5448	233	658	6339	962	80	3120	3764	-306	-243	10902	3224	14126	2000	16126	49.71
22	5392	148	664	6204	966	57	2938	3277	-306	-237	10267	3249	13516	1898	15414	49.89
23	5359	115	656	6130	962	56	2739	2589	-216	-149	9588	2934	12522	1657	14179	49.98
24	5386	77	657	6120	959	51	2588	2271	-103	-39	9362	1830	11192	1435	12627	50.09
MUs	131.54	3.45	15.81	150.79	22.94	2.05	69.57	66.86	-4.60	-3.55	239.16	58.59	297.75	41.94	339.69	49.92

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 30/Dec/2009

Position as on 6.30 Hrs of 31/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
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.	02/02/2010
Dabhol 3B	230	10/12/2009	23.34		Continued.	Combustion Chamber Inspection.	10/01/2010
Dabhol 3X	290	10/12/2009	23.35		Continued.	Combustion Chamber Inspection.	10/01/2010
Koradi Unit 2	105	25/12/2009	19.06	30/12/2009	00.07	Boiler Tube Leakage.	
Nasik Unit 2	125	27/12/2009	21.50	31/12/2009	21.00	Boiler Tube Leakage	
Khaparkheda Unit 2	210	29/12/2009	10:32	30/12/2009	08.18	Tripped on Flame Failure.	
Cent_Sect NTPC(V-4)	210	30/12/2009	11.04	31/12/2009	11.27	Boiler Tube Leakage.	
Nasik Unit 5	210	30/12/2009	16.30		Continued.	Boiler Tube Leakage.	01/01/2010
Paras Unit 3	250	31/12/2009	10.59	31/12/2009	18.01	H/T DCS Failed	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Dec/2009

Position as on 6.30 Hrs of 31/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 - II	30/12/2009	22.19	31/12/2009	17.02	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		
Main Breaker of ICT-II at C'PUR	28/12/2009	12.13		Continued.	Main Breaker replacement,ICT on TBC
Karad-Newkoyna 1	30/12/2009	08.51	30/12/2009	16.59	Insulator replacement work.
BUS COUPLER @ NAGOTHANE	30/12/2009	15.09	30/12/2009	18.37	Tan delta & capacitance measurement.
Jejuri-Koyna STG-IV	31/12/2009	09.38	31/12/2009	18.05	Relay testing work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Padghe - Nashik - II	25/12/2009	08.50		Continued.	Errection of tower
Padghe - Jindal	25/12/2009	09.11		Continued.	Errection of Tower
220/132KV 100MVA ICT-II at Parli-II	26/12/2009	09.10		Continued.	Replacement of H.V./L.V.Breaker
220/132 KV 150MVA ICT at Nanded	28/12/2009	11.53		Continued.	HV Breaker replacement,ICT on TBC
Lonikand-Ranjangaon	28/12/2009	12.45	31/12/2009	18.08	Taken on TBC For CB Replacement at Lonikand end.
Mudshingi - Peth	30/12/2009	08.30	30/12/2009	17.15	Insulator Washing.
Mulund-Trombay	30/12/2009	09.40		Continued.	Relay pannel replacement work.
Aarey-Versova-II	30/12/2009	09.45	30/12/2009	18.11	Bay Maintenance work.
Khaperkheda-Koradi Ckt.	30/12/2009	11.27	30/12/2009	23.00	Replacement of Y Ph.CVT.
Mudshingi-Talangade - I	30/12/2009	11.35	30/12/2009	16.21	Annual Maintenance work.
Mudshingi - Peth	31/12/2009	08.40	31/12/2009	17.25	Cold washing of Insulator
Pedambe-Kharepatan	31/12/2009	09.12	31/12/2009	16.05	Hand cleaning of line Insulator
Urse-Sahara	31/12/2009	10.45	31/12/2009	15.24	Replacement of Insulator
Baramati - Lonand	31/12/2009	11.35	31/12/2009	13.55	CRM of breaker
Baramati-Kurkumb	31/12/2009	14.25	31/12/2009	16.20	CRM of breaker and other work
Baramati-Kalyani	31/12/2009	16.30	31/12/2009	17.45	CRM of breaker and other work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
132 KV BUS COUPLER at Kalmeshwar	30/12/2009	13.16	30/12/2009	14.48	Q.M.Work.
Paras-Malegaon	31/12/2009	11.00	31/12/2009	23.36	C.T.replacement work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV, 500MVA ICT at Lamboti	30/12/2009	11.51	30/12/2009	16.25	Attending Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	26/12/2009	18.00		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Dec/2009

Position as on 6.30 Hrs of 31/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Aurangabad - Bhenda	12/12/2009	09.39		Continued.	H/T at A'Bad to control ICT loading
Voltage Level : 220KV			Outage Type TRIPPED		
Pedambe-Mahad	28/12/2009	07.30	30/12/2009	20.13	Distance Protection
BBLSR-RANJANGAON	30/12/2009	02:24	30/12/2009	02:58	Dist. Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Hingna - Khapri	31/12/2009	01.45	31/12/2009	02.15	Distance protection
Kalmeshwar-Katol	31/12/2009	02.59	31/12/2009	10.57	Distance protection
Hingna - Khapri	31/12/2009	03.10	31/12/2009	11.25	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	80
Unit 4	105	80
Unit 5	200	160
Unit 6	210	170
Unit 7	210	170
	1040	810
Bhusawal		
Unit 1	58	50
Unit 2	210	180
Unit 3	210	190
	478	420
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	160
Unit 4	210	200
Unit 5	210	175
Unit 6	250	240
	940	821
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	160
Unit 4	210	180
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2000
Paras		
Unit 2	55	41
Unit 3	250	230
	305	271
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	800
Nasik		
Unit 1	120	98
Unit 2	120	0
Unit 3	210	208
Unit 4	210	208
Unit 5	210	0
	870	514
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	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	32
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	30
ELDARY	23	10
PAITHAN	12	0
GHATGHAR	250	0
	611	247
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	940
RGPL III	740	
	1700	940
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	150
TATA Hydro	444	447
	2024	1777
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3040
	3143	3040

	17616	7 of 7	13870
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