



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Dec/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.366	3528.898	1) Madhya Pradesh	55.343	1883.656
2) Hydro	5.963	215.375	2) Gujrat	19.483	519.485
3) Gas	14.441	425.043	3) Goa	-6.336	-180.594
Total MSGENCO	146.770	4169.316	4) TAPS 1&2 (Inj.)	3.664	137.088
B) OTHERS			5) Pench (Excess)	-0.229	-3.026
1) RGPPL Gas	23.483	543.015	# Total Cent. Sector	71.925	2356.609
2) Wind Generation	2.111	77.374	F) Other Exchanges		
3) PENCH (MS)	0.229	3.026	1) With TPCL	-3.199	-109.985
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	23.802	723.412	1) MSEDCL Bilateral	3.641	168.102
2) TPCL Hydro	2.573	120.322	Include PX	0.000	69.608
TOTAL TPCL	26.375	843.734	2) MUMBAI Bilateral	4.703	134.857
3) REL Thermal	12.704	368.571	Include PX	-0.276	4.600
D) STATE			3) MUMBAI Schedule	4.703	134.857
1) Thermal (A1+C1+C3)	162.872	4620.881	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	8.765	338.723	1) MSEDCL	241.319	7039.355
3) Gas (A3+B1)	37.924	968.058	2) TPCL	28.154	868.466
4) Wind (B2)	2.111	77.374	3) REL	14.124	453.776
TOTAL STATE	211.672	6005.036	TOTAL STATE	283.597	8361.597

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5307	5270	5262
MSGENCO Hydro	409	756	109
MSGENCO Gas	502	658	638
MSGENCO Total Generation	6218	6684	6009
Central Sector Receipt	3523	3803	1976
RGPPL	974	973	988
WIND	24	145	40
Exchange with TPCL	-232	-290	69
MSEDCL DEMAND MET	10507	11315	9109
Load Shedding	3120	3386	1314
MSEDCL DEMAND (INCL. LS)	13627	14701	10423
TPCL GENERATION	1427	1443	699
REL GENERATION	528	527	531
TPCL+REL DEMAND	2187	2260	1161
STATE DEMAND MET	12694	13575	10270
STATE DEMAND (INCL. LS)	15814	16961	11584
Frequency (Hz)	49.57	49.53	50.17
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4287 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			67.79 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.37 Hz at 04.06 Hrs	49 Hz at 19.48 Hrs	49.73	.03 % 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 29/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	2.08	44.87	90	83	80
Unit 2	0.00	41.22	0	0	0
Unit 3	1.38	38.14	72	35	50
Unit 4	1.66	22.90	86	39	70
Unit 5	3.76	104.54	172	127	140
Unit 6	3.84	78.04	175	135	140
Unit 7	4.04	115.82	188	142	150
	16.75	445.52			630
Bhusawal					
Unit 1	1.18	31.59	53	37	52
Unit 2	4.31	106.33	188	159	180
Unit 3	3.76	126.48	185	0	190
	9.24	264.40			422
Parli					
Unit 1	0.53	15.54	24	20	23
Unit 2	0.54	15.60	24	20	23
Unit 3	3.48	104.53	158	109	155
Unit 4	4.18	134.83	193	157	200
Unit 5	4.01	110.57	180	152	190
Unit 6	5.84	147.14	253	234	240
	18.56	528.20			831
Chandrapur					
Unit 1	3.44	103.41	147	134	155
Unit 2	3.63	105.86	158	134	160
Unit 3	4.25	108.44	195	142	200
Unit 4	4.21	114.28	192	128	210
Unit 5	10.25	259.51	447	405	425
Unit 6	10.28	260.93	445	415	450
Unit 7	10.80	290.46	462	425	450
	46.88	1242.89			2050
Paras					
Unit 2	1.07	19.78	48	40	50
Unit 3	5.21	132.74	234	204	220
	6.28	152.53			270
Khaparkheda					
Unit 1	4.68	124.32	204	180	190
Unit 2	2.00	123.66	192	0	190
Unit 3	4.84	131.84	214	192	210
Unit 4	4.94	137.39	215	168	210
	16.46	517.21			800
Nasik					
Unit 1	2.25	65.11	100	89	90
Unit 2	0.00	51.88	0	0	0
Unit 3	5.02	129.79	211	202	200
Unit 4	4.77	131.22	205	189	190
Unit 5	0.15	0.15	25	0	0
	12.19	378.14			480
Uran					
All Units	14.44	425.04	678	493	600
	14.44	425.04			600
Koyna					
Stage 1-2	1.75	50.38	235	35	600
Stage 4	0.44	59.46	228	0	250
Koyna 12&4 Total	2.19	109.84			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.40	23.63	124	0	240
	2.59	133.48			1090
Hydro					
KDPH	0.00	2.07	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.37	10.73	59	0	60
BHTGR/VEER	0.77	26.37	32	32	25
BHIRA T.R.	0.11	6.64	50	0	40
RNGR+BHTSA	0.30	9.56	15	12	15
BHANDARDRA	0.34	2.42	15	14	60
ELDARY	0.25	0.81	11	10	15
PAITHAN	0.06	1.26	9	0	10
GHATGHAR	1.18	22.02	125	0	0
	3.37	81.90			225
PENCH (MS)					
Pench (MS)	0.23	3.03	27	0	0
	0.23	3.03			0
Wind					
MalharPeth	0.05	4.26			
Vankuswadi	0.20	10.99			
ATIT	0.04	2.32			
Kale	0.07	3.44			
Satara	0.07	4.65			
Shirala	0.07	3.52			
K Mahankal	0.08	1.96			
Supa	0.08	1.69			
Vita	0.30	17.76			
Dondaicha	0.78	12.83			
Sakri	0.16	2.46			
Nandurbar	0.12	1.56			
Khadakale	0.07	5.18			
Khaparale	0.03	4.75			
	2.11	77.37			
Dabhol					
RGPP L II	23.48	543.02	988	966	934
RGPP L III	0.00	0.00	0	0	0
	23.48	543.02			934
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	9.80	322.22	500	200	500
Trombay 6	4.47	241.66	300	150	500
Trombay 7A	3.00	76.28	130	122	120
Trombay 7B	1.64	44.62	69	67	60
Trombay 8	4.90	36.80	251	150	150
TATA Hydro	2.57	120.32	351	0	447
	26.38	843.73			1777
REL					
1&2	12.70	368.57	532	527	500
	12.70	368.57			500
Cent Sect					
Share		0.00			3210
		0.00			3210

MS PG CL	Thermal	126.37	3528.90		5483
	Thml+Gas	140.81	3953.94		6083
	Hydro	5.96	215.38		1315
	Total	146.77	4169.32		7398
State Total		211.67	6005.04		13819

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	5329	108	638	6075	984	52	2613	2178	-59	-4	9285	1687	10972	1280	12252	50.01
2	5328	108	638	6074	985	49	2613	2133	-59	43	9284	1665	10949	1188	12137	50.07
3	5299	104	638	6041	986	38	2613	1991	-59	47	9121	1399	10520	1183	11703	50.00
4	5262	109	638	6009	988	40	2613	1976	-59	69	9109	1314	10423	1161	11584	50.17
5	5291	108	637	6036	988	39	2613	2051	-59	71	9212	1374	10586	1160	11746	49.96
6	5301	109	674	6084	985	39	2565	2413	-59	19	9567	2147	11714	1211	12925	49.66
7	5360	109	678	6147	987	54	2784	2435	-59	-10	9639	3088	12727	1272	13999	49.80
8	5411	115	558	6084	986	35	2784	2772	-59	-7	9897	3354	13251	1434	14685	49.58
9	5441	142	508	6091	983	30	2605	2629	-59	-5	9755	3555	13310	1692	15002	49.48
10	5399	285	508	6192	980	28	3112	3083	-272	-215	10068	3453	13521	2036	15557	49.64
11	5307	409	502	6218	974	24	3219	3523	-287	-232	10507	3120	13627	2187	15814	49.57
12	5239	468	498	6205	972	29	3182	3470	-255	-201	10488	3075	13563	2226	15789	49.60
13	5221	508	493	6222	966	65	3237	3592	-318	-280	10591	2980	13571	2216	15787	49.48
14	5014	343	496	5853	972	85	3236	3702	-318	-278	10345	3025	13370	2106	15476	49.70
15	4994	249	497	5740	969	112	3236	3729	-318	-280	10270	3216	13486	2104	15590	49.65
16	5101	284	516	5901	970	139	3236	3438	-318	-279	10169	3140	13309	2084	15393	49.59
17	5155	248	600	6003	972	117	3149	3594	-226	-190	10496	3120	13616	2075	15691	49.64
18	5215	418	656	6289	971	125	3159	3704	-226	-191	10898	2792	13690	2093	15783	49.55
19	5270	756	658	6684	973	145	3126	3803	-321	-290	11315	3386	14701	2260	16961	49.53
20	5206	365	656	6227	970	138	3200	3935	-321	-290	10980	3477	14457	2203	16660	49.44
21	5273	292	662	6227	974	186	3210	3496	-321	-261	10622	3235	13857	2023	15880	49.58
22	5261	109	670	6040	982	201	3037	3243	-321	-255	10211	3261	13472	1883	15355	49.95
23	5221	104	656	5981	980	200	2940	2787	-231	-145	9803	2902	12705	1701	14406	49.78
24	5254	113	657	6024	986	125	2784	2259	-118	-35	9359	2124	11483	1500	12983	50.08
MUs	126.15	5.96	14.33	146.45	23.48	2.10	70.87	71.94	-4.70	-3.20	240.99	65.89	306.88	42.28	349.16	49.73

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 29/Dec/2009

Position as on 6.30 Hrs of 30/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	29/12/2009	19:50	AOH	
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.	02/01/2010
Dabhol 3X	290	10/12/2009	23.35		Continued.	Combustion Chamber Inspection.	01/01/2010
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		Continued.	Boiler Tube Leakage	01/01/2010
Uran Unit 5	108	29/12/2009	07:20	29/12/2009	14:47	Filter Replacement Work.	
Khaparkheda Unit 2	210	29/12/2009	10:32	30/12/2009	08.18	Tripped on Flame Failure.	
Bhusawal Unit 3	210	29/12/2009	12:57	29/12/2009	15:54	Auxiliary Ac Supply Failure.	
Cent_Sect NTPC(V-4)	210	30/12/2009	11.04		Continued.	Boiler Tube Leakage.	02/01/2010
Nasik Unit 5	210	30/12/2009	16.30		Continued.	Boiler Tube Leakage.	01/01/2010

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Dec/2009

Position as on 6.30 Hrs of 30/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari-I	29/12/2009	09:28	29/12/2009	18:30	Line Maintenance Work.
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		Continued.	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-Lonikand	19/12/2009	10.25	29/12/2009	20.21	LILLO work at Chakan
Main Breaker of ICT-II at C'PUR	28/12/2009	12.13		Continued.	Main Breaker replacement,ICT on TBC
Lonikhand - Chakan	29/12/2009	00:00	29/12/2009	19:25	New line.
Padghe - Chakan	29/12/2009	00:00	29/12/2009	19:45	New Line.
Karad-Newkoyana 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.
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		Continued.	Taken on TBC For CB Replacement at Lonikand end.
Mudshingi - Karad - IV	29/12/2009	08:25	29/12/2009	17:53	Line Maintenance Work.
Kalwa - Khargar	29/12/2009	09:39	29/12/2009	13:02	For Attending Hot Spot.
K'gaon-ONGC	29/12/2009	13:15	29/12/2009	18:50	Isolator Work.
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.
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.
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		
Aurangabad - Bhenda	12/12/2009	09.39		Continued.	H/T at A'Bad to control ICT loading

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Dec/2009

Position as on 6.30 Hrs of 30/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
Parli - Lamboti	29/12/2009	00.01	29/12/2009	19:20	Distance protection
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	60
Unit 3	105	70
Unit 4	105	70
Unit 5	200	160
Unit 6	210	160
Unit 7	210	160
	1040	760
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	155
Unit 4	210	200
Unit 5	210	190
Unit 6	250	245
	940	836
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	200
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2070
Paras		
Unit 2	55	46
Unit 3	250	240
	305	286
Khaparkheda		
Unit 1	210	190
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
	840	610
Nasik		
Unit 1	120	95
Unit 2	120	0
Unit 3	210	130
Unit 4	210	180
Unit 5	210	130
	870	535
Uran		
All Units	852	650
	852	650
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	0
TILLARI	60	60
BHTGR/VEER	21	12
BHIRA T.R.	80	50
RNGR+BHTSA	20	15
BHANDARDRA	45	45
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	192
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		
RGPPPL II	960	960
RGPPPL III	740	0
	1700	960
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	3190
	3143	3190