



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Dec/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.673	1294.005	1) Madhya Pradesh	73.800	739.831
2) Hydro	4.791	81.666	2) Gujrat	12.673	162.673
3) Gas	14.261	156.655	3) Goa	-6.422	-67.384
Total MSGENCO	141.725	1532.326	4) TAPS 1&2 (Inj.)	3.650	71.636
B) OTHERS			5) Pench (Excess)	0.000	-1.668
1) RGPPL Gas	14.717	232.752	# Total Cent. Sector	83.701	905.088
2) Wind Generation	4.163	23.685	F) Other Exchanges		
3) PENCH (MS)	0.000	1.668	1) With TPCL	-4.753	-46.986
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	25.264	272.302	1) MSEDCL Bilateral	6.921	57.027
2) TPCL Hydro	5.480	56.506	Include PX	6.171	35.018
TOTAL TPCL	30.744	328.808	2) MUMBAI Bilateral	5.727	55.187
3) REL Thermal	12.727	139.999	Include PX	0.799	2.842
D) STATE			3) MUMBAI Schedule	5.727	55.187
1) Thermal (A1+C1+C3)	160.664	1706.306	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	10.271	139.840	1) MSEDCL	239.553	2648.533
3) Gas (A3+B1)	28.978	389.407	2) TPCL	31.880	338.632
4) Wind (B2)	4.163	23.685	3) REL	16.343	177.129
TOTAL STATE	204.076	2259.238	TOTAL STATE	287.776	3164.294

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5210	5279	4800
MSGENCO Hydro	352	704	80
MSGENCO Gas	599	605	602
MSGENCO Total Generation	6161	6588	5482
Central Sector Receipt	3517	4007	3279
RGPPL	612	614	614
WIND	263	110	146
Exchange with TPCL	-319	-355	6
MSEDCL DEMAND MET	10234	10964	9527
Load Shedding	3762	3844	1693
MSEDCL DEMAND (INCL. LS)	13996	14808	11220
TPCL GENERATION	1576	1605	864
REL GENERATION	530	528	531
TPCL+REL DEMAND	2425	2488	1389
STATE DEMAND MET	12659	13452	10916
STATE DEMAND (INCL. LS)	16421	17296	12609
Frequency (Hz)	49.75	49.75	49.85
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4589 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			91.08 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.28 Hz at 04.04 Hrs	49.18 Hz at 06.50 Hrs	49.73	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 11/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.82	19.85	84	69	70
Unit 2	1.74	18.39	77	65	70
Unit 3	1.61	17.71	80	41	70
Unit 4	0.00	6.17	0	0	0
Unit 5	3.12	34.99	177	0	150
Unit 6	3.66	39.96	162	136	150
Unit 7	3.96	41.92	183	124	150
	15.93	178.99			660
Bhusawal					
Unit 1	0.54	12.57	28	19	25
Unit 2	4.21	29.96	188	167	180
Unit 3	4.26	47.78	190	165	190
	9.00	90.31			395
Parli					
Unit 1	0.59	5.46	26	23	20
Unit 2	0.58	6.20	25	23	20
Unit 3	4.07	43.32	180	158	165
Unit 4	4.66	51.00	203	180	180
Unit 5	4.41	33.60	192	172	180
Unit 6	4.93	55.46	239	178	230
	19.25	195.05			795
Chandrapur					
Unit 1	3.64	39.37	154	146	160
Unit 2	3.91	40.42	168	156	160
Unit 3	3.89	41.22	190	143	190
Unit 4	4.48	42.62	203	170	200
Unit 5	6.38	77.14	421	0	100
Unit 6	9.66	83.80	430	375	425
Unit 7	10.23	109.12	450	403	450
	42.19	433.70			1685
Paras					
Unit 2	0.62	6.76	29	24	25
Unit 3	3.55	49.56	196	0	180
	4.18	56.32			205
Khaparkheda					
Unit 1	4.70	49.28	206	188	190
Unit 2	4.65	44.48	202	185	190
Unit 3	5.07	51.30	215	207	210
Unit 4	4.25	49.51	213	159	160
	18.67	194.57			750
Nasik					
Unit 1	2.27	24.06	99	91	95
Unit 2	2.17	23.89	99	80	94
Unit 3	4.56	51.43	197	184	190
Unit 4	4.46	45.69	200	170	180
Unit 5	0.00	0.00	0	0	0
	13.46	145.07			559
Uran					
All Units	14.26	156.66	611	496	600
	14.26	156.66			600
Koyna					
Stage 1-2	1.24	22.06	155	30	460
Stage 4	0.63	23.87	327	0	250
Koyna 12&4 Total	1.87	45.93			710

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.35	9.94	150	0	240
	2.22	55.87			950
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.36	4.03	60	0	60
BHTGR/VEER	0.89	7.27	37	37	30
BHIRA T.R.	0.34	3.04	81	0	80
RNGR+BHTSA	0.33	3.50	15	13	15
BHANDARDRA	0.00	0.05	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.04	0.50	9	0	10
GHATGHAR	0.61	7.40	120	0	0
	2.57	25.80			195
PENCH (MS)					
Pench (MS)	0.00	1.67	0	0	
	0.00	1.67			
Wind					
MalharPeth	0.46	1.47			
Vankuswadi	0.87	3.85			
ATIT	0.35	0.80			
Kale	0.32	1.09			
Satara	0.34	1.46			
Shirala	0.31	1.13			
K Mahankal	0.08	0.67			
Supa	0.10	0.49			
Vita	0.77	5.53			
Dondaicha	0.00	2.92			
Sakri	0.00	0.88			
Nandurbar	0.00	0.37			
Khadakale	0.33	1.61			
Khaparale	0.22	1.42			
	4.16	23.68			
Dabhol					
RGPP L II	14.72	232.75	614	612	600
RGPP L III	0.00	0.00	0	0	
	14.72	232.75			600
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	11.50	120.86	500	460	500
Trombay 6	9.84	103.56	500	180	500
Trombay 7A	2.44	29.07	124	70	120
Trombay 7B	1.48	16.98	68	54	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.48	56.51	481	0	447
	30.74	328.81			1627
REL					
1&2	12.73	140.00	533	528	500
	12.73	140.00			500
Cent Sect					
Share		0.00			2985
		0.00			2985

MS PG CL	Thermal	122.67	1294.00		5049
	Thml+Gas	136.93	1450.66		5649
	Hydro	4.79	81.67		1145
	Total	141.72	1532.33		6794
State Total		204.08	2259.24		12506

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	4770	80	600	5450	613	112	2552	3325	-42	-3	9497	1868	11365	1607	12972	49.89
2	4788	80	600	5468	613	130	2553	3202	-42	1	9414	1900	11314	1470	12784	50.02
3	4800	80	602	5482	614	146	2554	3279	-42	6	9527	1693	11220	1389	12609	49.85
4	4797	85	604	5486	614	186	2555	3176	-42		9462	1969	11431	1363	12794	50.00
5	4910	85	604	5599	612	238	2636	3320	-42	1	9770	2079	11849	1371	13220	49.95
6	4973	160	605	5738	612	273	2710	3488	-42	-3	10108	2342	12450	1436	13886	49.66
7	5119	135	606	5860	613	268	3280	3048	-60	-18	9771	3570	13341	1570	14911	49.51
8	5145	80	607	5832	613	252	3279	3162	-60	-19	9840	3893	13733	1690	15423	49.49
9	5163	101	609	5873	614	197	3102	3175	-63	-28	9831	4073	13904	1881	15785	49.58
10	5192	257	605	6054	614	226	3414	3249	-316	-266	9877	4048	13925	2197	16122	49.62
11	5210	352	599	6161	612	263	3444	3517	-361	-319	10234	3762	13996	2425	16421	49.75
12	5063	279	590	5932	613	267	3488	3642	-407	-362	10092	3795	13887	2488	16375	49.66
13	5052	80	599	5731	614	226	3486	3660	-407	-376	9855	3817	13672	2446	16118	49.67
14	5077	85	604	5766	613	167	3486	3917	-407	-376	10087	3822	13909	2329	16238	49.81
15	5214	100	580	5894	614	142	3486	3625	-407	-375	9900	3935	13835	2390	16225	49.65
16	5258	120	581	5959	613	129	3486	3549	-407	-376	9874	3873	13747	2406	16153	49.65
17	5293	135	577	6005	613	111	3487	3761	-407	-376	10114	3798	13912	2383	16295	49.72
18	5359	150	584	6093	614	113	3497	3966	-407	-377	10409	3451	13860	2403	16263	49.74
19	5279	704	605	6588	614	110	2978	4007	-398	-355	10964	3844	14808	2488	17296	49.75
20	5251	634	606	6491	612	108	2889	3849	-361	-336	10724	4029	14753	2425	17178	49.62
21	5220	486	611	6317	613	116	2854	3764	-323	-274	10536	3775	14311	2283	16594	49.65
22	5258	234	597	6089	614	126	2859	3580	-323	-269	10140	3809	13949	2137	16086	49.89
23	5241	207	590	6038	613	120	2762	3181	-234	-179	9773	3083	12856	1893	14749	49.65
24	5258	82	496	5836	613	137	2533	3249	-121	-74	9761	2257	12018	1754	13772	49.83
MUs	122.69	4.79	14.26	141.74	14.72	4.16	73.37	83.69	-5.73	-4.75	239.56	78.48	318.04	48.22	366.27	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 11/Dec/2009

Position as on 6.30 Hrs of 12/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
Tata Trombay 8	250	25/11/2009	00:35		Continued.	Performance Guarantee Test	15/12/2009
Nasik Unit 5	210	25/11/2009	01:50		Continued.	AOH	17/12/2009
Koyna Unit 3	75	06/12/2009	05.45		Continued.	Pressure Shaft Problem.	22/12/2009
Koyna Unit 4	75	06/12/2009	06.30		Continued.	Pressure Shaft Problem.	22/12/2009
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		Continued.	Tripped	17/12/2009
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.	
Chandrapur Unit 5	500	08/12/2009	02.32	11/12/2009	03.57	Boiler T/L.	
Cent_Sect Tarapur 1	80	09/12/2009	09:22		Continued.	Condenser Tube Leakage.	
Dabhol 3B	230	10/12/2009	23.34		Continued.	Combustion Chamber Inspection.	23/12/2009
Dabhol 3X	290	10/12/2009	23.35		Continued.	Combustion Chamber Inspection.	23/12/2009
Paras Unit 3	250	11/12/2009	10.39	11/12/2009	14.10	Drum Level Low.	
Koradi Unit 5	200	11/12/2009	18.15	11/12/2009	21.27	DC Supply Failure.	
Cent_Sect NTPC(K-4)	500	11/12/2009	18.57	12/12/2009	20.33	Boiler T/L.	
Koradi Unit 6	210	12/12/2009	01.40		Continued.	Boiler T/L	15/12/2009
Koradi Unit 1	105	12/12/2009	07.51		Continued.	Reheater Tube Leakage.	14/12/2009
Nasik Unit 3	210	12/12/2009	09.20	12/12/2009	10.20	Oil Leakage.	
Paras Unit 2	55	12/12/2009	12.09		Continued.	Condenser Tube Leakage.	14/12/2009
Nasik Unit 3	210	12/12/2009	23.00		Continued.	Condenser Tube Leakage.	14/12/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Dec/2009

Position as on 6.30 Hrs of 12/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Bhilai	10/12/2009	08.50	11/12/2009	01.40	Line Maint., Relay Replacement.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Padgha - Boisar (PGCIL)	11/12/2009	11.03	11/12/2009	18.29	Main Bus-II outage at Padgha.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar II	09/12/2009	12:38		Continued.	H/T for O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
PADGHA-KHARGHAR	08/12/2009	10.52		Continued.	Line on TBC at Kharghar end for CB overhauling work.
Kalwa-M.B -I	09/12/2009	08:08		Continued.	Installation of Isolator Scissor assembly.
400/220 KV,600 MVA ICT-I @ Kalwa	11/12/2009	10.30	11/12/2009	15.09	Taken on TBC for Isolator replacement.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/132 KV 150 MVA ICT @ Amravati	22/11/2009	09:26	12/12/2009	13.20	Augmentation of 150 MVA ICT by 200 MVA ICT and other Works.
220/66KV T/F at SICOM	27/11/2009	09:45		Continued.	L V Bkr Replacement work.
220/100 125 MVA ICT - II @ Trombay	03/12/2009	09.01		Continued.	Repl. Of CR Pannel and CT's
Talangade - Mumewadi	11/12/2009	09.18	11/12/2009	16.49	Line stringing work.
220/100kv,125MVA ICT-II at Borivali	11/12/2009	09.43	11/12/2009	11.58	To attend Hot Spot.
Kalwa-Mahape	11/12/2009	11.35	11/12/2009	19.52	For extending the existing bus.
Padgha-Kamba	11/12/2009	11.37	11/12/2009	18.57	Main Bus-II outage at Padgha.
220 KV Main Bus II at Padgha	11/12/2009	12.32	11/12/2009	19.05	Jumpering work.
220/33 KV,100 MVA ICT-IV at Aarey	12/12/2009	08.59	12/12/2009	17.41	R.M.Work.
Nasik-Bablsr Ckt II	12/12/2009	09.21	12/12/2009	14.55	Q.M.Work.
220/33 KV,100 MVA T/F at Walve.	12/12/2009	10.00	12/12/2009	14.35	Quarterly Maintenance work of CT.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Boisar - Boisar MIDC	11/12/2009	08.38	11/12/2009	20.15	R.M.Work
Deepnagar-Khadka I	11/12/2009	08.57	11/12/2009	15.53	For interconnecting work of 132 KV diverted Deepnagar-Malkapur ckt.
Malkapur-Warangaon	11/12/2009	09.40	11/12/2009	15.52	For interconnecting work of 132 KV diverted Deepnagar-Malkapur ckt.
132KV Bus-1@Bhusawal	11/12/2009	15.31	11/12/2009	15.53	For Phasing out of 132 KV Malkapur ckt being shifted on Phekri ckt.I
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Kalyan	11/12/2009	09.07	11/12/2009	17.03	Bay Maint. work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Lonikand-Karad	12/12/2009	17:55		Continued.	Line taken on TBC at Lonikand end for B ph CB pole replacement
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Dec/2009

Position as on 6.30 Hrs of 12/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Akola - Aurangabad - II	10/12/2009	11.27	11/12/2009	13.23	Line taken in service from both ends.
Lonikand-Karad	12/12/2009	16.28	12/12/2009	17.55	Line taken on TBC at Lonikand end. B Ph.pole of CB burst.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Bhenda	04/12/2009	18.12	11/12/2009	14.15	H/T To control ICT Loading.
Aurangabad - Bhenda	12/12/2009	09.39		Continued.	H/T at A'Bad to control ICT loading
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	06/11/2009	11:35		Continued.	To Control Chikhali line loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal- Aurangabad	09/12/2009	19:02	12/12/2009	09.30	Tripped on O/V.
Bblswr-Padgha Ckt II	11/12/2009	09.34	11/12/2009	09.51	Tripped from BBLSR end only.
STG IV-New Koyna-II	12/12/2009	20.57	12/12/2009	21.30	Tripped on over voltage.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	70
Unit 3	105	70
Unit 4	105	0
Unit 5	200	150
Unit 6	210	0
Unit 7	210	150
	1040	500
Bhusawal		
Unit 1	58	25
Unit 2	210	180
Unit 3	210	180
	478	385
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	195
Unit 5	210	180
Unit 6	250	200
	940	785
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	120
Unit 4	210	200
Unit 5	500	450
Unit 6	500	425
Unit 7	500	450
	2340	1965
Paras		
Unit 2	55	35
Unit 3	250	200
	305	235
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	800
Nasik		
Unit 1	120	91
Unit 2	120	91
Unit 3	210	172
Unit 4	210	172
Unit 5	210	0
	870	526
Uran		
All Units	852	600
	852	600
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	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	30
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	195
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	600
RGPL III	740	
	1700	600
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2819
	3143	2819