



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Dec/2009 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.515	830.545	1) Madhya Pradesh	70.557	435.650
2) Hydro	5.181	43.658	2) Gujrat	16.380	106.869
3) Gas	14.297	100.608	3) Goa	-5.977	-42.945
Total MSGENCO	139.993	974.811	4) TAPS 1&2 (Inj.)	7.403	51.670
B) OTHERS			5) Pench (Excess)	-0.111	-1.031
1) RGPPL Gas	21.602	154.572	# Total Cent. Sector	88.252	550.213
2) Wind Generation	1.378	12.867	F) Other Exchanges		
3) PENCH (MS)	0.111	1.031	1) With TPCL	-4.553	-27.522
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	24.504	172.483	1) MSEDCL Bilateral	6.086	32.436
2) TPCL Hydro	5.870	33.937	Include PX	3.566	15.880
TOTAL TPCL	30.374	206.420	2) MUMBAI Bilateral	5.273	32.429
3) REL Thermal	12.735	89.135	Include PX	0.070	0.399
D) STATE			3) MUMBAI Schedule	5.273	32.429
1) Thermal (A1+C1+C3)	157.754	1092.163	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	11.162	78.626	1) MSEDCL	246.783	1665.972
3) Gas (A3+B1)	35.899	255.180	2) TPCL	31.466	211.407
4) Wind (B2)	1.378	12.867	3) REL	16.196	111.647
TOTAL STATE	206.193	1438.836	TOTAL STATE	294.445	1989.026

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5029	5106	4899
MSGENCO Hydro	252	640	72
MSGENCO Gas	619	613	518
MSGENCO Total Generation	5900	6359	5489
Central Sector Receipt	4297	4440	2873
RGPPL	894	897	908
WIND	33	39	71
Exchange with TPCL	-317	-399	-7
MSEDCL DEMAND MET	10807	11363	9334
Load Shedding	3219	3366	1205
MSEDCL DEMAND (INCL. LS)	14026	14729	10539
TPCL GENERATION	1629	1546	770
REL GENERATION	529	524	533
TPCL+REL DEMAND	2475	2469	1310
STATE DEMAND MET	13282	13832	10644
STATE DEMAND (INCL. LS)	16501	17198	11849
Frequency (Hz)	49.69	49.80	50.36
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4567 MW AT 20.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			84.09 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.52 Hz at 05.04 Hrs	49.24 Hz at 20.05 Hrs	49.9	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 07/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.92	12.54	90	64	70
Unit 2	1.81	11.71	82	67	70
Unit 3	1.73	11.69	85	44	75
Unit 4	0.00	6.17	0	0	0
Unit 5	3.89	26.77	176	141	150
Unit 6	3.62	25.26	162	140	135
Unit 7	3.84	26.44	182	137	165
	16.81	120.58			665
Bhusawal					
Unit 1	1.30	8.72	59	46	55
Unit 2	0.05	13.58	40	0	0
Unit 3	4.50	30.41	196	180	190
	5.84	52.71			245
Parli					
Unit 1	0.40	3.12	24	0	0
Unit 2	0.56	3.90	26	22	20
Unit 3	4.08	27.48	178	160	170
Unit 4	4.68	32.12	212	178	175
Unit 5	0.00	20.18	0	0	0
Unit 6	5.48	35.26	237	218	245
	15.20	122.06			610
Chandrapur					
Unit 1	3.60	25.14	154	145	160
Unit 2	3.82	25.46	162	155	160
Unit 3	3.85	24.97	189	139	180
Unit 4	3.86	25.76	180	130	180
Unit 5	10.75	69.80	467	414	450
Unit 6	9.97	44.74	445	366	450
Unit 7	10.50	69.58	456	399	450
	46.33	285.45			2030
Paras					
Unit 2	0.64	4.29	28	26	30
Unit 3	4.44	33.15	195	173	180
	5.07	37.44			210
Khaparkheda					
Unit 1	4.44	30.62	195	162	190
Unit 2	4.00	26.58	181	115	190
Unit 3	4.56	32.08	206	178	210
Unit 4	4.68	32.06	212	160	210
	17.69	121.34			800
Nasik					
Unit 1	2.28	15.08	102	82	100
Unit 2	2.19	15.20	104	75	100
Unit 3	4.60	33.02	200	180	195
Unit 4	4.51	27.67	198	179	195
Unit 5	0.00	0.00	0	0	0
	13.57	90.97			590
Uran					
All Units	14.30	100.61	651	502	550
	14.30	100.61			550
Koyna					
Stage 1-2	1.68	12.31	230	30	460
Stage 4	0.65	11.09	258	0	250
Kovna 12&4 Total	2.34	23.40			710

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.60	4.77	158	0	240
	2.94	28.17			950
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.36	2.59	62	0	60
BHTGR/VEER	0.72	4.36	30	30	20
BHIRA T.R.	0.20	1.80	70	0	80
RNGR+BHTSA	0.32	2.08	14	12	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.29	0	0	10
GHATGHAR	0.64	4.36	125	0	0
	2.25	15.48			185
PENCH (MS)					
Pench (MS)	0.11	1.03	27	0	
	0.11	1.03			
Wind					
MalharPeth	0.09	0.55			
Vankuswadi	0.23	1.62			
ATIT	0.04	0.23			
Kale	0.05	0.33			
Satara	0.07	0.54			
Shirala	0.03	0.33			
K Mahankal	0.04	0.24			
Supa	0.03	0.27			
Vita	0.46	2.92			
Dondaicha	0.07	2.86			
Sakri	0.01	0.87			
Nandurbar	0.02	0.35			
Khadakale	0.00	0.73			
Khaparale	0.23	1.04			
	1.38	12.87			
Dabhol					
RGPP L II	21.60	154.57	908	891	914
RGPP L III	0.00	0.00	0	0	
	21.60	154.57			914
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	11.00	76.26	460	435	500
Trombay 6	9.53	64.22	505	150	500
Trombay 7A	2.47	19.17	124	72	100
Trombay 7B	1.50	11.01	69	54	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.87	33.94	479	0	447
	30.37	206.42			1607
REL					
1&2	12.74	89.14	533	524	500
	12.74	89.14			500
Cent Sect					
Share		0.00			3367
		0.00			3367

MS PG CL	Thermal	120.52	830.54		5150
	Thml+Gas	134.81	931.15		5700
	Hydro	5.18	43.66		1135
	Total	139.99	974.81		6835
State Total		206.19	1438.84		13223

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/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	4819	72	523	5414	904	66	2590	2726	-41	-14	9096	1643	10739	1508	12247	50.27
2	4844	72	502	5418	907	61	2590	2911	-41	-12	9285	1584	10869	1366	12235	50.29
3	4889	72	506	5467	908	65	2590	2835	-41	-10	9265	1273	10538	1339	11877	50.35
4	4899	72	518	5489	908	71	2573	2873	-41	-7	9334	1205	10539	1310	11849	50.36
5	4905	72	534	5511	908	77	2573	2977	-41	-9	9464	1321	10785	1321	12106	50.10
6	4960	77	612	5649	906	78	2673	3428	-41	-11	10050	1934	11984	1407	13391	49.80
7	5042	82	636	5760	905	84	2785	3096	-61	-33	9812	2922	12734	1538	14272	49.86
8	5079	72	651	5802	904	75	3103	3468	-61	-34	10215	3205	13420	1661	15081	49.90
9	5110	78	650	5838	903	68	3099	3497	-65	-34	10272	3539	13811	1856	15667	50.02
10	5134	131	638	5903	901	51	3351	3645	-280	-251	10249	3502	13751	2244	15995	49.96
11	5109	206	628	5943	897	45	3399	3908	-325	-292	10501	3175	13676	2438	16114	49.71
12	5029	252	619	5900	894	33	3385	4297	-325	-317	10807	3219	14026	2475	16501	49.69
13	4940	236	610	5786	891	28	3395	3974	-325	-313	10366	3223	13589	2443	16032	49.60
14	5003	254	607	5864	892	33	3358	4193	-325	-309	10673	3260	13933	2400	16333	49.66
15	5026	330	608	5964	894	44	3250	3928	-325	-308	10522	3391	13913	2407	16320	49.75
16	5087	314	603	6004	896	45	3250	4084	-325	-308	10721	3350	14071	2395	16466	49.78
17	5122	292	604	6018	894	38	3281	4213	-325	-310	10853	3308	14161	2393	16554	49.68
18	5105	287	607	5999	895	36	3341	4410	-325	-311	11034	2975	14009	2364	16373	49.73
19	5106	640	613	6359	897	39	3363	4440	-398	-399	11363	3366	14729	2469	17198	49.80
20	5113	591	616	6320	899	42	3010	4244	-328	-316	11216	3428	14644	2402	17046	49.79
21	5090	672	616	6378	899	44	3020	4110	-327	-256	11202	3193	14395	2223	16618	49.68
22	5072	149	602	5823	899	69	3024	3858	-325	-250	10421	3222	13643	2096	15739	49.98
23	5017	84	596	5697	899	86	3026	3770	-325	-254	10201	2947	13148	1842	14990	49.83
24	5015	74	598	5687	902	100	2893	3367	-256	-195	9861	2153	12014	1765	13779	50.10
MUs	120.52	5.18	14.30	139.99	21.60	1.38	72.92	88.25	-5.27	-4.55	246.78	66.34	313.12	47.66	360.78	49.90

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 07/Dec/2009

Position as on 6.30 Hrs of 08/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	10/12/2009
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
Cent_Sect TARAPUR-3	540	08/12/2009	13.35		Continued.	Maintaince Work.	14/12/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	15/12/2009
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.	
Bhusawal Unit 2	210	04/12/2009	07.06	07/12/2009	22.50	Boiler T/L.	
Koradi Unit 4	115	04/12/2009	20.31		Continued.	Boiler T/L.	09/12/2009
Parli Unit 5	210	05/12/2009	22.33	08/12/2009	17.38	ESP Problem	
Parli Unit 1	30	06/12/2009	00.23	07/12/2009	05.53	Boiler Tube Leakage	
Cent_Sect NTPC(V-6)	210	08/12/2009	02.02	08/12/2009	23.57	Boiler T/L.	
Chandrapur Unit 5	500	08/12/2009	02.32		Continued.	Boiler T/L.	12/12/2009
Uran Unit 6	108	08/12/2009	06:38	08/12/2009	17:23	Filter Replacement.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Dec/2009

Position as on 6.30 Hrs of 08/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		
Mudshingi-Ponda	06/12/2009	11.45		Continued.	For LILO Work @ Amona S/S.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
WARDHA-AKOLA-II	24/10/2009	16.46		Continued.	H/T due to over voltage
DHULE-SAR'SAROVAR-I	01/12/2009	13:16		Continued.	H/T for O/V.
Akola-Aurangabad-II	08/12/2009	15.43		Continued.	H/T/For PLCC Work.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Chandrapur	07/12/2009	09.19	07/12/2009	15.08	Testing Work.
BBLSR - Dhule - II	07/12/2009	11.57	07/12/2009	13.25	Taken on TBC to attend Hot Spot on Isolator.
Bus coupler at Koradi	08/12/2009	09.45	08/12/2009	14.34	Testing Work of CT's.
400/220KV 105MVA Spare ICT at Nagothane	08/12/2009	11.21	08/12/2009	17.57	For PRV Work
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		Continued.	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
Karad-M'peth	07/12/2009	10.40	07/12/2009	16.55	Testing Work.
220/132, 200MVA ICT II at Jalna	07/12/2009	11.14	07/12/2009	16.00	ciommissioning Of C.T.R,Protection scheme.
220 KV Main Bus - II at Aurangbad	07/12/2009	11.17	07/12/2009	16.55	Jumpering Work.
Apta-Nagothane	08/12/2009	07.02	08/12/2009	19.19	Bus-Sec-outage at Apta
Apta - Taloja	08/12/2009	07.04	08/12/2009	19.22	Bus-Sec-Outage at Apta
220/100 KV,200 MVA ICT-I @ Apta	08/12/2009	07.05	08/12/2009	19.27	Bus-Sec-Outage at Apta
Apta-Uran-III	08/12/2009	07.12	08/12/2009	19.30	Bus-Section outage at Apta
Apta-Uran-IV	08/12/2009	07.23	08/12/2009	19.32	Bus-section outage at Apta.
Apta Bus-section I	08/12/2009	07.26	08/12/2009	19.24	Conductor Repl.Work and CB Testing.
ONGC-TSS	08/12/2009	09.37	08/12/2009	18.55	Oil Leakage Of CT.
Karad-Oglewadi-I	08/12/2009	10.13	08/12/2009	17.51	Bus Outage at Ogalewadi
Karad - Ogalewadi - II	08/12/2009	10.15	08/12/2009	17.26	Bus outage at Ogalewadi
Taloja Bus-Section II	08/12/2009	10.22	08/12/2009	13.55	Jumpering Replacement Work.
220/132 KV 200 MVA ICT-II at Harangul	08/12/2009	10.56	08/12/2009	13.00	Q.M.Work
220/132 KV 200 MVA ICT-I at Harangul S/S.	08/12/2009	13.00	08/12/2009	14.00	To attend Buchhloz relay alarm to release air from Buchholz relay.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132 KV 150MVA ICT at Nanded	07/12/2009	21.09	08/12/2009	02.41	Oil Leakage from R-phase OLTC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Dec/2009

Position as on 6.30 Hrs of 08/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	06/12/2009	11.18		Continued.	H/T to Control ICT Loading @ Aurangabad.
Akola - Aurangabad - II	07/12/2009	00.27	07/12/2009	10.08	Hand Tripped for Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha--Dhamangaon	30/11/2009	03.23	07/12/2009	11.15	To load Akola ICT
Aurangabad - Bhenda	04/12/2009	18.12		Continued.	H/T To control ICT Loading.
Vita - Pandharpur	08/12/2009	06.42	08/12/2009	10.50	Bus Section Isolator Sparking.
Vita Bus-Sectionalizer	08/12/2009	07.55		Continued.	Heavy Sparking on Isolator.
Mudshingi - Peth	08/12/2009	10.20	08/12/2009	17.55	Cold line washing of Insulator string.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	06/11/2009	11:35		Continued.	To Control Chikhali line loading.
Bhusawal - Pachora	04/12/2009	11.48	08/12/2009	08.31	H/T To Control Khadka ICT Load.
Pahur - Pachora	04/12/2009	12.07	08/12/2009	08.32	H/T To Control Khadka ICT Load.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Padgha- II	07/12/2009	07.13	07/12/2009	07.48	Dist.Prot,B-Ph Zone-I
220/132KV 200MVA ICT-I at Jalna S/stn.	08/12/2009	09.55	08/12/2009	10.05	Tripped, trip relay.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	75
Unit 3	105	70
Unit 4	105	0
Unit 5	200	170
Unit 6	210	160
Unit 7	210	160
	1040	715
Bhusawal		
Unit 1	58	52
Unit 2	210	120
Unit 3	210	190
	478	362
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	200
Unit 5	210	0
Unit 6	250	230
	940	640
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	200
Unit 4	210	180
Unit 5	500	0
Unit 6	500	450
Unit 7	500	450
	2340	1600
Paras		
Unit 2	55	25
Unit 3	250	180
	305	205
Khaparkheda		
Unit 1	210	190
Unit 2	210	170
Unit 3	210	190
Unit 4	210	160
	840	710
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	190
Unit 4	210	180
Unit 5	210	0
	870	550
Uran		
All Units	852	630
	852	630
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	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	175
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	855
RGPL III	740	
	1700	855
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	3354
	3143	3354

	17616	7 of 7	12873
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