



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Dec/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.720	591.632	1) Madhya Pradesh	60.899	295.053
2) Hydro	9.417	34.881	2) Gujrat	18.231	76.223
3) Gas	12.268	71.486	3) Goa	-6.019	-31.095
Total MSGENCO	143.405	697.999	4) TAPS 1&2 (Inj.)	7.370	36.870
B) OTHERS			5) Pench (Excess)	-0.128	-0.851
1) RGPPL Gas	21.181	111.077	# Total Cent. Sector	80.353	376.200
2) Wind Generation	0.875	9.985	F) Other Exchanges		
3) PENCH (MS)	0.128	0.851	1) With TPCL	-4.256	-21.268
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	23.636	123.678	1) MSEDCL Bilateral	4.786	20.393
2) TPCL Hydro	5.152	27.418	Include PX	2.261	9.994
TOTAL TPCL	28.788	151.096	2) MUMBAI Bilateral	4.858	24.664
3) REL Thermal	12.738	63.650	Include PX	0.000	0.329
D) STATE			3) MUMBAI Schedule	4.858	24.664
1) Thermal (A1+C1+C3)	158.094	778.960	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	14.697	63.150	1) MSEDCL	241.686	1174.844
3) Gas (A3+B1)	33.449	182.563	2) TPCL	29.891	154.717
4) Wind (B2)	0.875	9.985	3) REL	15.890	81.276
TOTAL STATE	207.115	1034.658	TOTAL STATE	287.467	1410.837

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	5085	5143	4927
MSGENCO Hydro	863	797	92
MSGENCO Gas	493	491	509
MSGENCO Total Generation	6441	6431	5528
Central Sector Receipt	3574	4353	2503
RGPPL	945	691	961
WIND	23	42	39
Exchange with TPCL	-287	-293	-5
MSEDCL DEMAND MET	10719	11234	9026
Load Shedding	3155	3316	1615
MSEDCL DEMAND (INCL. LS)	13874	14550	10641
TPCL GENERATION	1489	1519	792
REL GENERATION	529	527	532
TPCL+REL DEMAND	2305	2339	1329
STATE DEMAND MET	13024	13573	10355
STATE DEMAND (INCL. LS)	16179	16889	11970
Frequency (Hz)	49.54	49.67	50.08
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4965 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			85.61 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.35 Hz at 23.59 Hrs	48.86 Hz at 10.13 Hrs	49.67	.29 % 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 05/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.80	8.63	80	68	70
Unit 2	1.66	8.13	76	55	60
Unit 3	1.65	8.19	77	61	60
Unit 4	0.00	6.17	0	0	0
Unit 5	3.69	19.12	172	140	160
Unit 6	3.59	17.88	161	137	150
Unit 7	3.85	18.78	184	141	150
	16.23	86.90			650
Bhusawal					
Unit 1	1.23	6.15	55	42	52
Unit 2	0.00	13.53	0	0	0
Unit 3	4.26	21.45	193	165	190
	5.50	41.13			242
Parli					
Unit 1	0.53	2.72	24	19	20
Unit 2	0.54	2.78	24	20	20
Unit 3	4.04	19.29	178	149	180
Unit 4	4.51	22.53	205	164	200
Unit 5	3.82	20.18	180	0	180
Unit 6	5.26	24.63	227	205	230
	18.70	92.12			830
Chandrapur					
Unit 1	3.63	17.97	155	148	160
Unit 2	3.72	17.84	164	144	160
Unit 3	3.29	17.41	157	112	160
Unit 4	3.85	18.58	189	136	180
Unit 5	10.16	48.78	448	404	450
Unit 6	9.86	25.05	425	395	400
Unit 7	10.02	48.80	446	395	420
	44.53	194.44			1930
Paras					
Unit 2	0.62	3.02	28	24	25
Unit 3	4.60	24.11	211	160	193
	5.22	27.14			218
Khaparkheda					
Unit 1	4.42	21.74	194	173	190
Unit 2	4.21	18.44	187	143	190
Unit 3	4.88	23.28	214	192	210
Unit 4	4.45	22.75	212	167	210
	17.97	86.21			800
Nasik					
Unit 1	2.18	10.62	97	78	90
Unit 2	2.18	10.81	103	70	88
Unit 3	4.81	23.58	211	189	180
Unit 4	4.40	18.69	196	158	170
Unit 5	0.00	0.00	0	0	0
	13.57	63.69			528
Uran					
All Units	12.27	71.49	620	477	500
	12.27	71.49			500
Koyna					
Stage 1-2	2.66	9.81	295	35	600
Stage 4	4.16	10.15	610	0	250
Koyna 12&4 Total	6.82	19.96			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.87	3.99	176	0	240
	7.69	23.95			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.37	1.86	60	0	60
BHTGR/VEER	0.72	2.92	30	30	24
BHIRA T.R.	0.29	1.35	82	0	80
RNGR+BHTSA	0.29	1.48	12	12	12
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.23	10	0	10
GHATGHAR	0.00	3.09	0	0	0
	1.72	10.93			186
PENCH (MS)					
Pench (MS)	0.13	0.85	33	0	
	0.13	0.85			
Wind					
MalharPeth	0.07	0.40			
Vankuswadi	0.20	1.18			
ATIT	0.02	0.16			
Kale	0.02	0.26			
Satara	0.05	0.42			
Shirala	0.01	0.29			
K Mahankal	0.02	0.18			
Supa	0.02	0.20			
Vita	0.32	2.06			
Dondaicha	0.04	2.52			
Sakri	0.00	0.84			
Nandurbar	0.02	0.28			
Khadakale	0.01	0.66			
Khaparale	0.08	0.53			
	0.88	9.98			
Dabhol					
RGPP L II	21.18	111.08	961	636	900
RGPP L III	0.00	0.00	0	0	
	21.18	111.08			900
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	10.90	54.22	460	450	450
Trombay 6	8.36	45.84	450	150	370
Trombay 7A	2.79	13.88	124	98	120
Trombay 7B	1.59	7.92	68	61	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.15	27.42	453	0	447
	28.79	151.10			1447
REL					
1&2	12.74	63.65	533	527	500
	12.74	63.65			500
Cent Sect					
Share					3223
					3223

MS PG CL	Thermal	121.72	591.63		5198
	Thml+Gas	133.99	663.12		5698
	Hydro	9.42	34.88		1276
	Total	143.40	698.00		6974
State Total		207.12	1034.66		13044

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/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	4971	82	519	5572	959	31	2481	2739	-41	-2	9299	1648	10947	1529	12476	49.99
2	4940	82	507	5529	960	33	2481	2654	-41	-6	9170	1666	10836	1426	12262	49.99
3	4940	87	507	5534	960	33	2481	2702	-41	-1	9228	1463	10691	1326	12017	49.96
4	4927	92	509	5528	961	39	2481	2503	-41	-5	9026	1615	10641	1329	11970	50.08
5	4992	82	506	5580	959	38	2481	2625	-41	-18	9184	1610	10794	1342	12136	49.83
6	5035	438	505	5978	960	35	2613	2820	-41	-9	9784	2025	11809	1494	13303	49.58
7	5062	332	505	5899	960	39	2615	2746	-41	-27	9617	3125	12742	1518	14260	49.54
8	5089	87	517	5693	958	35	2932	2937	-41	-21	9602	3394	12996	1623	14619	49.63
9	5070	163	515	5748	956	32	2929	3114	-45	-33	9817	3568	13385	1716	15101	49.40
10	5002	353	511	5866	953	33	3183	3238	-261	-240	9850	3496	13346	2062	15408	49.43
11	5066	844	502	6412	949	30	3224	3242	-306	-282	10351	3199	13550	2246	15796	49.53
12	5085	863	493	6441	945	23	3220	3574	-306	-287	10719	3155	13874	2305	16179	49.54
13	5108	802	484	6394	939	23	3217	3367	-306	-277	10469	3055	13524	2297	15821	49.50
14	5145	555	483	6183	947	24	3216	3745	-306	-276	10647	3114	13761	2209	15970	49.71
15	5145	483	477	6105	754	25	3416	3712	-306	-276	10320	3222	13542	2211	15753	49.45
16	5081	526	480	6087	636	30	3430	3727	-306	-278	10202	3225	13427	2216	15643	49.42
17	5117	734	484	6335	638	26	3430	4131	-306	-279	10884	3207	14091	2207	16298	49.41
18	5148	815	488	6451	647	32	3218	3768	-306	-283	10630	3015	13645	2194	15839	49.56
19	5143	797	491	6431	691	42	3223	4353	-309	-293	11234	3316	14550	2339	16889	49.67
20	5191	395	508	6094	727	53	2937	4524	-309	-289	11109	3425	14534	2319	16853	49.73
21	5180	501	512	6193	865	50	2939	3800	-309	-284	10624	3121	13745	2191	15936	49.59
22	5200	135	542	5877	950	50	2938	3637	-306	-288	10226	3139	13365	2068	15433	49.88
23	5079	92	603	5774	952	61	2941	3422	-306	-284	9925	2863	12788	1902	14690	49.77
24	5004	77	620	5701	955	58	2691	3273	-237	-218	9769	2090	11859	1713	13572	49.99
MUs	121.72	9.42	12.27	143.40	21.18	0.88	70.72	80.35	-4.86	-4.26	241.69	66.76	308.44	45.78	354.22	49.67

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 05/Dec/2009

Position as on 6.30 Hrs of 06/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
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.	
Koyna Unit 11	80	02/12/2009	09.45	06/12/2009	10.40	Stator core tightning work.	06/12/2009
Cent_Sect Sipat-4	500	03/12/2009	00:53	06/12/2009	13.07	ID FAN PROBLEM	06/12/2009
Bhusawal Unit 2	210	04/12/2009	07.06		Continued.	Boiler T/L.	08/12/2009
Koradi Unit 4	115	04/12/2009	20.31		Continued.	Boiler T/L.	07/12/2009
Uran Unit 8	108	05/12/2009	00.12	05/12/2009	18.58	Boiler Inspection.	
Dabhol 1A	230	05/12/2009	14.13	05/12/2009	17.27	Tripped	
Dabhol 1X	290	05/12/2009	14.17	05/12/2009	19.20	Tripped	
Parli Unit 5	210	05/12/2009	22.33		Continued.	ESP Problem	08/12/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Dec/2009

Position as on 6.30 Hrs of 06/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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 - I	05/12/2009	18.46	05/12/2009	23.44	To control A'bad ICT Load
Akola-Aurangabad-II	06/12/2009	03.57	06/12/2009	11.45	Taken in service from Aurangabad end only.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola-Aurangabad-II	04/12/2009	18.16	05/12/2009	17.07	Charged from A'Bad end only
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
BBLSR - Dhule - II	05/12/2009	09.08	05/12/2009	16.49	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
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
Mudshingi - Peth	05/12/2009	08.50	05/12/2009	17.40	Insulator washing
Boisor-Versova	05/12/2009	09.04	05/12/2009	16.25	Q.M.Work
220/132 KV 150MVA ICT-II at Nasik	05/12/2009	09.51	05/12/2009	13.22	Testing work
220/33KV 100MVA ICT - I at Valve	05/12/2009	10.40	05/12/2009	16.10	Q.M.Work
Bus Coupler at Khaparkheda	05/12/2009	11.05	05/12/2009	12.58	Testing work
Main Bus - I at Aurangabad	05/12/2009	11.44	05/12/2009	19.16	To connect New 25MVA 220/33KV T/F
220/132 KV 150 MVA ICT - I @ NSK.	05/12/2009	13.44	05/12/2009	18.55	Testing work
Pophali-KDPH	06/12/2009	05.55	06/12/2009	18.00	Outage of M.B.Sec.-I @ Pophali.
Pophali-K'gaon	06/12/2009	06.12	06/12/2009	16.50	Outage of M.B.Sec.-I @ Pophali.
Pedambe-Pophali I	06/12/2009	06.40	06/12/2009	17.30	Outage of M.B.Sec.-I @ Pophali.
Main Bus Section - I @ Pophali	06/12/2009	06.47	06/12/2009	16.50	Maintenance Work.
220 KV Main Bus - VI @ Trombay (Tata)	06/12/2009	08.38	06/12/2009	20.20	Replacement of Gantry Insulator.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Malkapur - Bhusawal	06/12/2009	08.40	06/12/2009	10.43	The CKT Kept Opeand upto Warangoan s/s.And Charged From Malkapur End.For Diversion Work.
Bhusawal - Muktainagar	06/12/2009	12.36	06/12/2009	13.40	The CKT Kept Opeand upto Warangaon s/s.The CKT Charged From Muktainagar End.For Diversion Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Dec/2009

Position as on 6.30 Hrs of 06/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Apta-Taloja	05/12/2009	14.15	05/12/2009	17.55	Faulty Insulator replacement
Voltage Level : 100KV			Outage Type FORCED OUTAGE		
Kalwa-Kalyan	05/12/2009	08.54	05/12/2009	17.05	Hot Spot at Kalyan end
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	06/12/2009	11.18		Continued.	H/T to Control ICT Loading @ Aurangabad.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha--Dhamangaon	30/11/2009	03.23		Continued.	To load Akola ICT
Aurangabad - Bhenda	04/12/2009	18.12		Continued.	H/T To control ICT Loading.
220/132KV 80MVA ICT at Nanded	05/12/2009	12.15	05/12/2009	12.48	H/T due to Main CB Gas leakage problem
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		Continued.	H/T To Control Khadka ICT Load.
Pahur - Pachora	04/12/2009	12.07		Continued.	H/T To Control Khadka ICT Load.
Voltage Level : 220KV			Outage Type TRIPPED		
Apta - Taloja	05/12/2009	02.22	05/12/2009	03.55	Dist.Protection.
Khadka - Bhadli RLY - I	05/12/2009	06.32	05/12/2009	06.38	Distance protection
Khadka - Bhadli RLY - II	05/12/2009	06.32	05/12/2009	07.00	Backup protection operated O/C & E/F
CHINCHWAD-PARVATI	06/12/2009	05.26	06/12/2009	12.26	Distance protection
220/132 Kv200 MVA ICT at Kalmeshwar	06/12/2009	15.03	06/12/2009	15.43	132 KV Bus Bar Protection Operated @ Kalmeshwar.
Voltage Level : 132KV			Outage Type TRIPPED		
Amravati - Akola	05/12/2009	06.39	05/12/2009	06.42	Distance protection
Kalmeshwar - Katol	06/12/2009	15.03	06/12/2009	16.07	132 KV Bus Bar Protection Operated @ Kalmeshwar.
132 KV BUS COUPLER at Kalmeshwar	06/12/2009	15.03	06/12/2009	15.50	132 KV Bus Bar Protection Operated @ Kalmeshwar.
132//33 KV 25 MVA T/F-II at Kalmeshwar	06/12/2009	15.03	06/12/2009	16.12	132 KV Bus Bar Protection Operated @ Kalmeshwar.
132/11 KV 16 MVA T/F @ Kalmeshwar	06/12/2009	15.03	06/12/2009	16.00	132 KV Bus Bar Protection Operated @ Kalmeshwar.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	70
Unit 3	105	70
Unit 4	105	0
Unit 5	200	160
Unit 6	210	150
Unit 7	210	170
	1040	695
Bhusawal		
Unit 1	58	52
Unit 2	210	0
Unit 3	210	190
	478	242
Parli		
Unit 1	30	0
Unit 2	30	20
Unit 3	210	180
Unit 4	210	210
Unit 5	210	210
Unit 6	250	210
	940	830
Chandrapur		
Unit 1	210	160
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	2010
Paras		
Unit 2	55	22
Unit 3	250	210
	305	232
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	800
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	195
Unit 4	210	195
Unit 5	210	0
	870	580
Uran		
All Units	852	600
	852	600
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	30
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	192
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	80
Trombay 7B	60	80
Trombay 8	250	0
TATA Hydro	444	447
	2024	1607
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3089
	3143	3089