



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Dec/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	119.668	469.912	1) Madhya Pradesh	57.659	234.154
2) Hydro	5.917	25.464	2) Gujrat	14.869	57.992
3) Gas	15.158	59.218	3) Goa	-6.451	-25.076
Total MSGENCO	140.743	554.594	4) TAPS 1&2 (Inj.)	7.382	29.500
B) OTHERS			5) Pench (Excess)	-0.235	-0.723
1) RGPPL Gas	21.881	89.896	# Total Cent. Sector	73.224	295.847
2) Wind Generation	1.424	9.110	F) Other Exchanges		
3) PENCH (MS)	0.235	0.723	1) With TPCL	-4.633	-17.012
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	25.039	100.042	1) MSEDCL Bilateral	4.975	15.607
2) TPCL Hydro	5.550	22.266	Include PX	2.450	7.733
TOTAL TPCL	30.589	122.308	2) MUMBAI Bilateral	5.169	19.806
3) REL Thermal	12.748	50.912	Include PX	0.071	0.329
D) STATE			3) MUMBAI Schedule	5.169	19.806
1) Thermal (A1+C1+C3)	157.455	620.866	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	11.702	48.453	1) MSEDCL	232.874	933.158
3) Gas (A3+B1)	37.039	149.114	2) TPCL	31.396	124.826
4) Wind (B2)	1.424	9.110	3) REL	16.567	65.386
TOTAL STATE	207.620	827.543	TOTAL STATE	280.837	1123.370

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	4845	5135	5004
MSGENCO Hydro	296	964	83
MSGENCO Gas	628	636	645
MSGENCO Total Generation	5769	6735	5732
Central Sector Receipt	3272	3702	2495
RGPPL	913	913	911
WIND	42	37	82
Exchange with TPCL	-289	-392	-14
MSEDCL DEMAND MET	9734	11022	9206
Load Shedding	3446	3636	1259
MSEDCL DEMAND (INCL. LS)	13180	14658	10465
TPCL GENERATION	1606	1577	796
REL GENERATION	533	525	532
TPCL+REL DEMAND	2428	2494	1342
STATE DEMAND MET	12162	13516	10548
STATE DEMAND (INCL. LS)	15608	17152	11807
Frequency (Hz)	49.06	49.64	49.94
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4296 MW at 19.00Hrs.
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			75.31 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.34 Hz at 23.36 Hrs	49.01 Hz at 08.21 Hrs	49.68	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 04/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.62	6.83	86	60	70
Unit 2	1.52	6.47	69	59	60
Unit 3	1.42	6.54	67	40	60
Unit 4	1.16	6.17	63	0	65
Unit 5	3.59	15.43	173	136	180
Unit 6	3.52	14.30	154	139	140
Unit 7	3.52	14.93	170	120	130
	16.33	70.67			705
Bhusawal					
Unit 1	1.22	4.92	55	46	55
Unit 2	1.13	13.53	165	0	180
Unit 3	4.06	17.18	185	157	190
	6.41	35.63			425
Parli					
Unit 1	0.56	2.19	25	21	20
Unit 2	0.57	2.24	27	22	20
Unit 3	3.96	15.25	175	149	155
Unit 4	4.60	18.03	209	163	200
Unit 5	4.18	16.35	178	163	175
Unit 6	5.19	19.37	233	197	210
	19.06	73.42			780
Chandrapur					
Unit 1	3.55	14.34	152	142	160
Unit 2	3.50	14.12	153	134	160
Unit 3	2.49	14.12	151	0	160
Unit 4	3.36	14.73	166	111	180
Unit 5	10.06	38.62	435	380	450
Unit 6	9.03	15.19	415	200	400
Unit 7	9.67	38.78	423	387	450
	41.67	149.91			1960
Paras					
Unit 2	0.60	2.40	28	22	22
Unit 3	4.59	19.52	239	170	210
	5.19	21.92			232
Khaparkheda					
Unit 1	4.35	17.32	186	174	180
Unit 2	4.26	14.23	186	160	190
Unit 3	4.57	18.40	202	183	200
Unit 4	4.68	18.29	210	177	210
	17.86	68.24			780
Nasik					
Unit 1	2.12	8.44	96	84	85
Unit 2	2.10	8.64	97	80	85
Unit 3	4.74	18.76	204	188	200
Unit 4	4.18	14.29	186	152	160
Unit 5	0.00	0.00	0	0	0
	13.14	50.12			530
Uran					
All Units	15.16	59.22	654	595	600
	15.16	59.22			600
Koyna					
Stage 1-2	1.46	7.15	180	35	600
Stage 4	1.35	5.99	419	0	250
Koyna 12&4 Total	2.80	13.14			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.80	3.12	240	0	240
	3.60	16.26			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.38	1.49	60	0	60
BHTGR/VEER	0.72	2.20	30	29	24
BHIRA T.R.	0.33	1.06	81	0	80
RNGR+BHTSA	0.32	1.19	15	12	12
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.17	10	0	10
GHATGHAR	0.52	3.09	120	0	0
	2.32	9.20			186
PENCH (MS)					
Pench (MS)	0.24	0.72	27	0	
	0.24	0.72			
Wind					
MalharPeth	0.06	0.34			
Vankuswadi	0.23	0.98			
ATIT	0.03	0.14			
Kale	0.03	0.24			
Satara	0.11	0.36			
Shirala	0.03	0.28			
K Mahankal	0.01	0.15			
Supa	0.03	0.19			
Vita	0.35	1.74			
Dondaicha	0.36	2.48			
Sakri	0.06	0.84			
Nandurbar	0.04	0.26			
Khadakale	0.06	0.66			
Khaparale	0.02	0.46			
	1.42	9.11			
Dabhol					
RGPP L II	21.88	89.90	913	911	900
RGPP L III	0.00	0.00	0	0	
	21.88	89.90			900
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	10.90	43.32	460	440	450
Trombay 6	9.80	37.48	510	150	500
Trombay 7A	2.75	11.09	123	88	120
Trombay 7B	1.58	6.33	69	58	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.55	22.27	463	0	447
	30.59	122.31			1577
REL					
1&2	12.75	50.91	533	525	500
	12.75	50.91			500
Cent Sect					
Share					3313
					3313

MS PG CL	Thermal	119.67	469.91		5412
	Thml+Gas	134.83	529.13		6012
	Hydro	5.92	25.46		1276
	Total	140.74	554.59		7288
State Total		207.62	827.54		13578

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	4956	82	595	5633	911	107	2485	2420	-37	-11	9060	1659	10719	1568	12287	49.79
2	4966	82	622	5670	911	93	2580	2387	-37	-10	9051	1621	10672	1437	12109	50.03
3	5034	93	644	5771	911	89	2614	2452	-37	-15	9208	1255	10463	1364	11827	50.02
4	5004	83	645	5732	911	82	2615	2495	-37	-14	9206	1259	10465	1342	11807	49.94
5	4994	88	646	5728	911	79	2616	2712	-37	-13	9417	1251	10668	1343	12011	49.76
6	5075	283	632	5990	911	94	2615	2997	-37	-6	9986	1941	11927	1426	13353	49.65
7	5050	178	621	5849	911	79	2633	2474	-56	-31	9282	3404	12686	1610	14296	49.52
8	4955	98	622	5675	911	73	2769	2696	-56	-32	9323	3684	13007	1654	14661	49.53
9	4963	96	619	5678	913	65	2878	2625	-60	-35	9259	3826	13085	1834	14919	49.42
10	4859	219	618	5696	913	53	3132	3025	-276	-250	9464	3691	13155	2208	15363	49.63
11	4845	296	628	5769	913	42	3175	3272	-320	-289	9734	3446	13180	2428	15608	49.06
12	4860	235	631	5726	911	48	3181	3229	-320	-310	9604	3355	12959	2458	15417	49.60
13	4904	103	632	5639	911	38	3225	3514	-320	-310	9792	3287	13079	2455	15534	49.63
14	4978	78	630	5686	911	33	3216	3446	-320	-309	9767	3291	13058	2379	15437	49.67
15	5009	93	629	5731	911	33	3224	3317	-320	-307	9685	3588	13273	2407	15680	49.67
16	4981	83	627	5691	911	48	3227	3477	-320	-315	9824	3532	13356	2412	15768	49.61
17	5042	141	626	5809	911	40	3227	3457	-320	-319	9925	3511	13436	2400	15836	49.68
18	5078	382	629	6089	913	31	3229	3597	-320	-317	10340	3304	13644	2384	16028	49.68
19	5135	964	636	6735	913	37	3297	3702	-394	-392	11022	3636	14658	2494	17152	49.64
20	5107	995	643	6745	913	50	2926	3243	-325	-325	10652	3781	14433	2416	16849	49.62
21	5019	837	642	6498	913	64	2939	3133	-325	-274	10360	3504	13864	2276	16140	49.58
22	4968	208	654	5830	913	55	2959	3377	-320	-271	9927	3535	13462	2095	15557	49.89
23	4956	108	654	5718	912	47	2963	3212	-320	-272	9617	2884	12501	1883	14384	49.74
24	4929	92	633	5654	911	47	2830	2968	-252	-206	9374	2173	11547	1697	13244	50.04
MUs	119.67	5.92	15.16	140.74	21.88	1.43	70.56	73.23	-5.17	-4.63	232.88	70.42	303.30	47.97	351.27	49.68

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 04/Dec/2009

Position as on 6.30 Hrs of 05/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
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		Continued.	Boiler T/L.	08/12/2009
Cent_Sect NTPC(V-5)	210	04/12/2009	07.28	04/12/2009	13.00	Turbine Problem.	
Chandrapur Unit 3	210	04/12/2009	09.01	04/12/2009	12.47	Furnace Pressure High.	
Cent_Sect Kawas ST1C	116	04/12/2009	17.06	04/12/2009	20.05	Excitation Problem.	
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 04/Dec/2009

Position as on 6.30 Hrs of 05/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		
WARDHA-AKOLA-II	24/10/2009	16.46		Continued.	H/T due to over voltage
Akola - Aurangabad - I	29/11/2009	17.30	04/12/2009	11.28	Hand Tripped
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
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		
400/220KV 315 MVA ICT-I at padgha	04/12/2009	08.31	04/12/2009	20.14	Y,B-Ph CT Replacement.
Kalwa-M.B -I	04/12/2009	09.50	04/12/2009	18.32	Isolator Replacement of ICT-I and TBC.
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
Khaparkheda-Ambazari ckt - I	04/12/2009	08.04	04/12/2009	16.15	Due to shifting problem on Bus-II
220 KV Main Bus -I at Ambazari	04/12/2009	08.20	04/12/2009	15.55	Repl.of High Level Bus String Insulators.
Dhule - Malegaon	04/12/2009	09.04	04/12/2009	12.20	Q.M.Work
Padgha-Temghar	04/12/2009	09.36	04/12/2009	17.36	Bus Ext.for new T/F.
Main Bus II at Temghar	04/12/2009	09.40	04/12/2009	16.40	Bus Ext.for New T/F.
Wada-Kolshet	04/12/2009	09.45	04/12/2009	16.30	W.T.Jumper Replacement.
Mudshingi - Peth	04/12/2009	09.50	04/12/2009	18.30	Insulator Washing.
Taps-Boisar	04/12/2009	10.30	04/12/2009	18.34	Testing Work.
220 KV Bus Sec.Breaker at Kalwa	04/12/2009	11.00	04/12/2009	12.21	To attend Hot Spot.
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
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Dec/2009

Position as on 6.30 Hrs of 05/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Kalwa-Washi	04/12/2009	05.12	04/12/2009	16.57	Line maintaine work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132KV 100MVA IBT at Parli.	22/11/2009	22:17	04/12/2009	21.29	Compressor Problem.
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 : 500KV			Outage Type HAND TRIPPED		
HVDC POLE I -CHDPR	04/12/2009	18.41	04/12/2009	23.46	Checking Main Bucholz Relay.
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
Voltage Level : 132KV			Outage Type TRIPPED		
Amravati - Akola	05/12/2009	06.39	05/12/2009	06.42	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	60
Unit 3	105	60
Unit 4	105	0
Unit 5	200	160
Unit 6	210	150
Unit 7	210	150
	1040	650
Bhusawal		
Unit 1	58	52
Unit 2	210	0
Unit 3	210	190
	478	242
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	180
Unit 4	210	200
Unit 5	210	180
Unit 6	250	230
	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	400
Unit 7	500	420
	2340	1930
Paras		
Unit 2	55	25
Unit 3	250	193
	305	218
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	800
Nasik		
Unit 1	120	90
Unit 2	120	88
Unit 3	210	180
Unit 4	210	170
Unit 5	210	0
	870	528
Uran		
All Units	852	500
	852	500
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	24
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	186
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		
RGPPPL II	960	900
RGPPPL III	740	
	1700	900
Tata		
Trombay 4	150	0
Trombay 5	500	450
Trombay 6	500	370
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1447
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3223
	3143	3223