



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Dec/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.171	114.171	1) Madhya Pradesh	55.987	55.987
2) Hydro	9.717	9.717	2) Gujrat	11.345	11.345
3) Gas	15.619	15.619	3) Goa	-6.192	-6.192
Total MSGENCO	139.507	139.507	4) TAPS 1&2 (Inj.)	7.362	7.362
B) OTHERS			5) Pench (Excess)	-0.173	-0.173
1) RGPPL Gas	22.581	22.581	# Total Cent. Sector	68.329	68.329
2) Wind Generation	2.101	2.101	F) Other Exchanges		
3) PENCH (MS)	0.173	0.173	1) With TPCL	-3.903	-3.903
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	24.941	24.941	1) MSEDCL Bilateral	0.546	0.546
2) TPCL Hydro	5.605	5.605	Include PX	0.000	0.000
TOTAL TPCL	30.546	30.546	2) MUMBAI Bilateral	4.950	4.950
3) REL Thermal	12.737	12.737	Include PX	0.188	0.188
D) STATE			3) MUMBAI Schedule	4.950	4.950
1) Thermal (A1+C1+C3)	151.849	151.849	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	15.495	15.495	1) MSEDCL	228.788	228.788
3) Gas (A3+B1)	38.200	38.200	2) TPCL	31.139	31.139
4) Wind (B2)	2.101	2.101	3) REL	16.047	16.047
TOTAL STATE	207.645	207.645	TOTAL STATE	275.974	275.974

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4916	4948	4247
MSGENCO Hydro	764	1326	113
MSGENCO Gas	646	645	681
MSGENCO Total Generation	6326	6919	5041
Central Sector Receipt	2829	3531	2490
RGPPL	935	939	944
WIND	42	94	117
Exchange with TPCL	-300	-345	13
MSEDCL DEMAND MET	9855	11161	8605
Load Shedding	3048	3184	823
MSEDCL DEMAND (INCL. LS)	12903	14345	9428
TPCL GENERATION	1568	1575	843
REL GENERATION	531	528	531
TPCL+REL DEMAND	2399	2448	1361
STATE DEMAND MET	12254	13609	9966
STATE DEMAND (INCL. LS)	15302	16793	10789
Frequency (Hz)	49.53	49.58	49.93
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3713 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			56.08 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.41 Hz at 14.06 Hrs	48.97 Hz at 17.25 Hrs	49.75	.12 % 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 01/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.71	1.71	78	64	70
Unit 2	1.62	1.62	73	62	70
Unit 3	1.66	1.66	75	64	70
Unit 4	1.65	1.65	78	53	70
Unit 5	3.79	3.79	171	133	150
Unit 6	3.55	3.55	163	130	150
Unit 7	3.68	3.68	172	130	150
	17.66	17.66			730
Bhusawal					
Unit 1	1.20	1.20	54	40	52
Unit 2	4.18	4.18	187	158	180
Unit 3	4.42	4.42	195	165	190
	9.80	9.80			422
Parli					
Unit 1	0.55	0.55	24	22	20
Unit 2	0.55	0.55	24	21	20
Unit 3	3.93	3.93	178	152	170
Unit 4	4.35	4.35	200	152	170
Unit 5	4.02	4.02	178	143	155
Unit 6	3.95	3.95	230	0	110
	17.34	17.34			645
Chandrapur					
Unit 1	3.64	3.64	155	149	160
Unit 2	3.57	3.57	160	137	160
Unit 3	3.69	3.69	177	138	210
Unit 4	3.68	3.68	174	138	210
Unit 5	8.18	8.18	420	270	450
Unit 6	5.76	5.76	370	0	450
Unit 7	8.63	8.63	450	302	450
	37.13	37.13			2090
Paras					
Unit 2	0.61	0.61	28	24	30
Unit 3	4.97	4.97	225	181	200
	5.58	5.58			230
Khaparkheda					
Unit 1	4.28	4.28	197	165	173
Unit 2	1.58	1.58	192	0	0
Unit 3	4.88	4.88	213	180	191
Unit 4	4.87	4.87	215	170	193
	15.61	15.61			557
Nasik					
Unit 1	2.17	2.17	94	84	81
Unit 2	2.17	2.17	97	81	81
Unit 3	4.48	4.48	202	172	172
Unit 4	2.23	2.23	107	80	72
Unit 5	0.00	0.00	0	0	0
	11.05	11.05			406
Uran					
All Units	15.62	15.62	683	557	630
	15.62	15.62			630
Koyna					
Stage 1-2	2.44	2.44	390	35	600
Stage 4	3.41	3.41	748	0	250
Kovna 12&4 Total	5.85	5.85			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.33	1.33	240	0	320
	7.18	7.18			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.39	0.39	60	0	60
BHTGR/VEER	0.50	0.50	21	20	24
BHIRA T.R.	0.19	0.19	62	0	80
RNGR+BHTSA	0.29	0.29	12	12	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	9
GHATGHAR	1.18	1.18	125	0	0
	2.54	2.54			188
PENCH (MS)					
Pench (MS)	0.17	0.17	24	0	
	0.17	0.17			
Wind					
MalharPeth	0.13	0.13			
Vankuswadi	0.19	0.19			
ATIT	0.04	0.04			
Kale	0.08	0.08			
Satara	0.05	0.05			
Shirala	0.11	0.11			
K Mahankal	0.09	0.09			
Supa	0.06	0.06			
Vita	0.50	0.50			
Dondaicha	0.42	0.42			
Sakri	0.06	0.06			
Nandurbar	0.05	0.05			
Khadakale	0.20	0.20			
Khaparale	0.11	0.11			
	2.10	2.10			
Dabhol					
RGPP L II	22.58	22.58	946	934	900
RGPP L III	0.00	0.00	0	0	
	22.58	22.58			900
Tata					
Trombay 4	1.83	1.83	116	0	150
Trombay 5	10.60	10.60	455	350	500
Trombay 6	8.02	8.02	470	150	500
Trombay 7A	2.88	2.88	126	95	120
Trombay 7B	1.61	1.61	69	60	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.60	5.60	463	0	447
	30.55	30.55			1777
REL					
1&2	12.74	12.74	533	528	500
	12.74	12.74			500
Cent Sect					
Share					3027
					3027

MS PG CL	Thermal	114.17	114.17		5080
	Thml+Gas	129.79	129.79		5710
	Hydro	9.72	9.72		1358
	Total	139.51	139.51		7068
State Total		207.64	207.64		13272

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	4407	96	677	5180	945	132	2515	2477	-37	5	8739	815	9554	1562	11116	49.83
2	4382	83	680	5145	944	122	2515	2468	-37	7	8686	803	9489	1446	10935	49.88
3	4247	113	681	5041	944	117	2515	2490	-37	13	8605	823	9428	1361	10789	49.93
4	4211	108	682	5001	944	124	2517	2576	-37	10	8655	1011	9666	1317	10983	49.94
5	4392	73	682	5147	943	146	2518	2619	-37	3	8858	1046	9904	1322	11226	49.83
6	4494	88	682	5264	943	148	2514	2970	-37	6	9331	1671	11002	1400	12402	49.65
7	4599	213	683	5495	946	133	2374	2734	-37	6	9314	2475	11789	1566	13355	49.49
8	4675	78	679	5432	944	113	2374	2554	-37	1	9044	3031	12075	1640	13715	49.68
9	4805	86	676	5567	944	83	2374	2138	-41	-1	8731	3400	12131	1836	13967	49.64
10	4888	377	669	5934	943	72	2664	2438	-257	-212	9175	3378	12553	2114	14667	49.66
11	4852	876	657	6385	942	64	2947	2656	-301	-261	9786	3024	12810	2331	15141	49.70
12	4916	764	646	6326	935	42	3001	2829	-348	-300	9855	3048	12903	2399	15302	49.53
13	4917	456	642	6015	934	27	3015	3036	-348	-298	9737	2970	12707	2387	15094	49.68
14	4922	542	642	6106	939	24	2967	2948	-301	-255	9786	2750	12536	2310	14846	49.86
15	4905	713	640	6258	936	20	2966	3044	-301	-255	10003	3194	13197	2345	15542	49.80
16	4866	508	638	6012	935	18	2967	2679	-301	-260	9384	3420	12804	2361	15165	49.71
17	4907	354	646	5907	937	45	2967	3340	-301	-254	9975	3605	13580	2329	15909	49.79
18	5097	312	649	6058	934	68	2980	3066	-301	-259	9877	3221	13098	2341	15439	49.56
19	4948	1326	645	6919	939	94	3103	3531	-399	-345	11161	3184	14345	2448	16793	49.58
20	4887	1329	652	6868	941	84	3019	2982	-306	-267	10631	3149	13780	2388	16168	49.55
21	4955	971	616	6542	942	93	3133	3179	-306	-252	10527	2873	13400	2245	15645	49.61
22	4952	87	609	5648	941	107	3190	3529	-305	-249	10000	2835	12835	2085	14920	49.97
23	4967	82	590	5639	943	114	3187	3266	-301	-244	9718	2449	12167	1919	14086	50.02
24	4960	82	557	5599	943	111	3052	2792	-233	-242	9203	1787	10990	1734	12724	50.08
MUs	114.15	9.72	15.62	139.49	22.58	2.10	67.37	68.34	-4.95	-3.90	228.78	59.96	288.74	47.19	335.93	49.75

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 01/Dec/2009

Position as on 6.30 Hrs of 02/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	30/11/2009
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	
Parli Unit 6	250	30/11/2009	12:27	01/12/2009	02:16	Conveyer Belt Broken.	
Khaparkheda Unit 2	210	01/12/2009	02:15	01/12/2009	16:38	Turbine side drain pipe leakage.	
Parli Unit 6	250	01/12/2009	03:00	01/12/2009	04:21	Drum level low.	
Chandrapur Unit 6	500	01/12/2009	18:25		Continued.	B.T.L.	04/12/2009
Tata Trombay 4	150	01/12/2009	19:16		Continued.	Low Demand.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Dec/2009

Position as on 6.30 Hrs of 02/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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		Continued.	Hand Tripped
DHULE-SAR'SAROVAR-I	01/12/2009	13:16		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona-Phonda	26/11/2009	13.00	01/12/2009	13:55	Charged from Tillary end up to Amona
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur-parli - III	26/11/2009	06.44	01/12/2009	16:04	Dieversion work of 400 KV C'pur-Parli D/C line for WCL.
400/220KV 315MVA ICT-I at Kharghar	01/12/2009	08:18		Continued.	PRV and MOG Replacement.
400/220kv, 315 MVA ICT-II @ Nagothane.	01/12/2009	09:35	01/12/2009	18:00	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.
220/132 KV 150 MVA ICT-I at Dhule	23/11/2009	11:30		Continued.	Main C.B. Replacement work, ICT H V side on TBC.
KDPH-Wankuswadi	23/11/2009	15:00	01/12/2009	17:30	Taken on TBC for Breaker replacement.
220/66KV T/F at SICOM	27/11/2009	09:45		Continued.	L V Bkr Replacement work.
Main Bus at Vankushwadi.	01/12/2009	08:30	01/12/2009	17:30	Q.M. Work.
M'Peth -Vankuswade	01/12/2009	08:30	01/12/2009	17:50	For Vankuswadi MB Outage.
Trombay-Kalwa	01/12/2009	08:51	01/12/2009	18:32	Wave Trap Installation.
220/33KV,50MVA T/F -I at Harangul	01/12/2009	10:45	01/12/2009	13:25	Q.M. Work.
220/33KV,50MVA T/F at Miraj.	01/12/2009	11:20	01/12/2009	17:40	Q.M. Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Boiser - Palghar - I	01/12/2009	09:07		Continued.	CB Repl. at Palghar.
Solapur - Naldurg	01/12/2009	11:15	01/12/2009	16:15	Crimpping of Coductor at L No. 23,24.
Main Bus at Hingoli	01/12/2009	11:30	01/12/2009	13:10	To Attend Red Hot on Y Ph Jumper.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
New Koyna - Dabhol - II	01/12/2009	10:32	01/12/2009	16:20	For Filling up SF6 Gas, line was on TBC.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132KV 100MVA IBT at Parli.	22/11/2009	22:17		Continued.	Compressor Problem.
Pophali-KDPH	01/12/2009	09:05		Continued.	Y Ph LA Burst at KDPH.
220/22KV 50MVA T/F at Theur	01/12/2009	09:40	01/12/2009	10:18	To Attained Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
C'pur-Parli II	04/11/2009	18.20	01/12/2009	15:57	Land Sliding at Loc.No 78 at Borgaon, Tal-Wani.
Parli-Lonikand - II	26/11/2009	10.39	01/12/2009	16:25	Charged from Parli end.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Dec/2009

Position as on 6.30 Hrs of 02/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-Kolhapur CKT I	29/11/2009	12.02	01/12/2009	10:44	H/T for Over Voltage
Karad-Kolhapur CKT II	02/12/2009	00:50		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha--Dhamangaon	30/11/2009	03.23		Continued.	To load Akola ICT
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		
Chandrapur - Bhadravati-IV	23/11/2009	15:49	01/12/2009	22:51	Bus bar Protection Operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	70
Unit 4	105	70
Unit 5	200	160
Unit 6	210	150
Unit 7	210	150
	1040	740
Bhusawal		
Unit 1	58	52
Unit 2	210	180
Unit 3	210	190
	478	422
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	185
Unit 5	210	165
Unit 6	250	220
	940	780
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	210
Unit 4	210	180
Unit 5	500	450
Unit 6	500	0
Unit 7	500	450
	2340	1610
Paras		
Unit 2	55	32
Unit 3	250	200
	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	190
Unit 4	210	180
Unit 5	210	0
	870	560
Uran		
All Units	852	630
	852	630
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	18
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	173
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	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	3040
	3143	3040