



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Dec/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.787	1894.710	1) Madhya Pradesh	67.165	1090.620
2) Hydro	9.752	139.359	2) Gujrat	29.406	275.873
3) Gas	14.456	229.743	3) Goa	-6.480	-98.666
Total MSGENCO	146.995	2263.812	4) TAPS 1&2 (Inj.)	3.642	89.708
B) OTHERS			5) Pench (Excess)	0.000	-1.668
1) RGPPL Gas	14.984	307.874	# Total Cent. Sector	93.733	1355.867
2) Wind Generation	2.999	36.255	F) Other Exchanges		
3) PENCH (MS)	0.000	1.668	1) With TPCL	-4.705	-65.739
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	25.915	397.423	1) MSEDCL Bilateral	6.900	91.275
2) TPCL Hydro	5.585	79.041	Include PX	4.114	59.502
TOTAL TPCL	31.500	476.464	2) MUMBAI Bilateral	5.614	78.954
3) REL Thermal	12.680	203.471	Include PX	0.434	4.167
D) STATE			3) MUMBAI Schedule	5.614	78.954
1) Thermal (A1+C1+C3)	161.382	2495.604	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	15.337	220.068	1) MSEDCL	254.006	3899.737
3) Gas (A3+B1)	29.440	537.617	2) TPCL	32.226	489.267
4) Wind (B2)	2.999	36.255	3) REL	16.657	256.383
TOTAL STATE	209.158	3289.544	TOTAL STATE	302.889	4645.387

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	5184	5232	5012
MSGENCO Hydro	356	1245	101
MSGENCO Gas	645	641	484
MSGENCO Total Generation	6185	7118	5597
Central Sector Receipt	4466	4221	3380
RGPPL	622	625	631
WIND	130	51	239
Exchange with TPCL	-338	-332	-15
MSEDCL DEMAND MET	11065	11683	9832
Load Shedding	3544	3651	1788
MSEDCL DEMAND (INCL. LS)	14609	15334	11620
TPCL GENERATION	1628	1640	841
REL GENERATION	521	521	532
TPCL+REL DEMAND	2487	2493	1388
STATE DEMAND MET	13552	14176	11220
STATE DEMAND (INCL. LS)	17096	17827	13008
Frequency (Hz)	49.56	49.80	49.94
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4820 MW AT 10.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			96.73 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.47 Hz at 06.06 Hrs	49.16 Hz at 17.28 Hrs	49.72	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 16/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.24	20.55	68	0	0
Unit 2	1.64	26.91	75	63	70
Unit 3	1.58	24.45	80	49	70
Unit 4	0.00	8.20	0	0	0
Unit 5	3.89	54.61	174	145	160
Unit 6	0.00	40.15	0	0	0
Unit 7	3.90	62.55	178	140	160
	11.24	237.41			460
Bhusawal					
Unit 1	0.77	17.13	51	20	25
Unit 2	4.43	51.72	192	179	185
Unit 3	4.42	69.56	190	180	190
	9.62	138.40			400
Parli					
Unit 1	0.53	8.28	25	18	23
Unit 2	0.56	8.97	24	21	23
Unit 3	3.75	62.85	178	120	175
Unit 4	4.71	74.04	206	185	195
Unit 5	4.24	55.34	192	157	190
Unit 6	5.12	79.33	235	174	230
	18.92	288.82			836
Chandrapur					
Unit 1	3.61	57.57	155	138	160
Unit 2	3.87	59.75	168	142	160
Unit 3	3.21	58.15	147	101	140
Unit 4	3.96	62.96	187	145	170
Unit 5	10.21	128.45	456	320	450
Unit 6	9.82	133.09	440	315	450
Unit 7	9.74	159.66	445	318	425
	44.41	659.62			1955
Paras					
Unit 2	0.58	7.65	27	14	25
Unit 3	5.17	74.78	226	202	220
	5.74	82.43			245
Khaparkheda					
Unit 1	4.62	72.30	200	176	190
Unit 2	4.49	67.08	196	178	190
Unit 3	4.72	68.42	214	164	210
Unit 4	4.71	73.69	214	176	210
	18.53	281.50			800
Nasik					
Unit 1	2.33	35.54	102	90	95
Unit 2	2.30	34.80	106	83	95
Unit 3	4.80	66.48	207	188	180
Unit 4	4.90	69.70	207	197	190
Unit 5	0.00	0.00	0	0	0
	14.32	206.52			560
Uran					
All Units	14.46	229.74	668	482	600
	14.46	229.74			600
Koyna					
Stage 1-2	1.96	32.02	220	30	460
Stage 4	3.21	48.87	666	0	250
Kovna 12&4 Total	5.17	80.89			710

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.37	17.34	240	0	240
	6.53	98.23			950
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.37	6.06	60	0	60
BHTGR/VEER	1.29	12.92	54	53	44
BHIRA T.R.	0.27	4.29	41	0	42
RNGR+BHTSA	0.32	5.01	15	12	13
BHANDARDRA	0.00	0.05	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.80	10	0	10
GHATGHAR	0.92	12.01	125	0	0
	3.22	41.13			169
PENCH (MS)					
Pench (MS)	0.00	1.67	0	0	
	0.00	1.67			
Wind					
MalharPeth	0.14	2.15			
Vankuswadi	0.38	5.79			
ATIT	0.05	1.16			
Kale	0.11	1.70			
Satara	0.12	2.15			
Shirala	0.10	1.71			
K Mahankal	0.14	1.00			
Supa	0.08	0.82			
Vita	0.78	8.85			
Dondaicha	0.40	4.28			
Sakri	0.02	1.00			
Nandurbar	0.04	0.56			
Khadakale	0.40	2.73			
Khaparale	0.23	2.36			
	3.00	36.26			
Dabhol					
RGPP L II	14.98	307.87	631	612	580
RGPP L III	0.00	0.00	0	0	
	14.98	307.87			580
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	11.93	179.34	500	475	500
Trombay 6	9.46	148.52	510	150	500
Trombay 7A	2.91	42.88	124	114	110
Trombay 7B	1.62	24.85	68	67	70
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.58	79.04	481	0	447
	31.50	476.46			1627
REL					
1&2	12.68	203.47	533	521	500
	12.68	203.47			500
Cent Sect					
Share		0.00			3270
		0.00			3270

MS PG CL	Thermal	122.79	1894.71		5256
	Thml+Gas	137.24	2124.45		5856
	Hydro	9.75	139.36		1119
	Total	147.00	2263.81		6975
State Total		209.16	3289.54		12952

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/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	5005	95	482	5582	627	226	2591	3532	-51	-20	9947	1928	11875	1581	13456	49.77
2	4955	96	483	5534	629	242	2591	3671	-51	-17	10059	1975	12034	1408	13442	49.95
3	5012	101	484	5597	631	239	2591	3380	-51	-15	9832	1788	11620	1388	13008	49.94
4	5029	101	486	5616	630	223	2591	3248	-51	-14	9703	2138	11841	1368	13209	49.94
5	5068	102	497	5667	629	230	2635	3234	-51	-15	9745	2266	12011	1363	13374	49.79
6	5097	152	498	5747	629	229	2784	3638	-51	-16	10227	2555	12782	1449	14231	49.64
7	5163	157	618	5938	631	223	3283	3282	-71	-38	10036	3513	13549	1610	15159	49.77
8	5176	112	668	5956	630	206	3277	3477	-71	-39	10230	3834	14064	1703	15767	49.63
9	5194	119	667	5980	630	149	3274	3479	-75	-39	10199	3998	14197	1925	16122	49.70
10	5168	175	658	6001	628	154	3595	4157	-327	-291	10649	3908	14557	2219	16776	49.77
11	5184	356	645	6185	622	130	3628	4466	-372	-338	11065	3544	14609	2487	17096	49.56
12	5024	906	637	6567	617	95	3614	3982	-372	-336	10925	3607	14532	2539	17071	49.48
13	4994	731	626	6351	618	69	3611	4208	-372	-333	10913	3619	14532	2475	17007	49.64
14	5109	537	625	6271	612	56	3610	4214	-372	-332	10821	3601	14422	2415	16837	49.53
15	5122	671	625	6418	614	61	3609	4108	-372	-346	10855	3682	14537	2442	16979	49.52
16	5177	837	622	6636	614	52	3609	3859	-372	-357	10804	3586	14390	2438	16828	49.47
17	5169	643	630	6442	617	40	3609	4264	-372	-337	11026	3552	14578	2440	17018	49.57
18	5183	1022	635	6840	621	52	3620	4210	-372	-334	11389	3178	14567	2394	16961	49.57
19	5232	1245	641	7118	625	51	3231	4221	-372	-332	11683	3651	15334	2493	17827	49.80
20	5136	604	642	6382	625	53	3270	4662	-372	-319	11403	3798	15201	2460	17661	49.82
21	5162	665	641	6468	624	57	3234	4389	-334	-281	11257	3516	14773	2337	17110	49.64
22	5175	123	648	5946	627	66	3240	4274	-334	-283	10630	3544	14174	2221	16395	50.03
23	5139	106	649	5894	626	47	3047	4019	-246	-189	10397	3280	13677	1955	15632	49.80
24	5123	96	649	5868	628	49	2873	3740	-133	-84	10201	2318	12519	1775	14294	49.98
MUs	122.80	9.75	14.46	147.00	14.98	3.00	77.02	93.71	-5.61	-4.70	254.00	76.38	330.38	48.88	379.26	49.72

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 17/Dec/2009

Position as on 6.30 Hrs of 18/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	18/12/2009
Nasik Unit 5	210	25/11/2009	01:50		Continued.	AOH	20/12/2009
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.	
Cent_Sect Tarapur 1	80	09/12/2009	09:22		Continued.	Condenser Tube Leakage.	20/12/2009
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
Koradi Unit 6	210	12/12/2009	01.40		Continued.	Boiler T/L	18/12/2009
Koradi Unit 4	115	15/12/2009	05.56	17/12/2009	22:01	Boiler Tube Leakage	17/12/2009
Parli Unit 6	250	17/12/2009	20.36	18/12/2009	02.32	Furnace Pressure High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Dec/2009

Position as on 6.30 Hrs of 18/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Akola - Wardha - II	15/12/2009	16.31		Continued.	Emergency outage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar II	09/12/2009	12:38		Continued.	H/T for O/V.
Dhule-Khandwa I	17/12/2009	19.16		Continued.	H/T for isolating Bus I at Dhule
Voltage Level : 400KV			Outage Type TRIPPED		
Akola-Aurangabad--II	17/12/2009	04.01		Continued.	Tripped On O/V.
DHULE-SAR'SAROVAR-I	17/12/2009	17.08		Continued.	Tripped.
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.
Padgha - Nagothane - I	17/12/2009	11.22	17/12/2009	17.26	Crimping Work.
400/220 KV 105 MVA ICT at Dhule	17/12/2009	11.22		Continued.	SFRA Testing.
Main Bus-I at Jejuri	17/12/2009	11.45		Continued.	Testing & precommissioning work of ICT-II
Karad-Lonikhand	17/12/2009	12.26	17/12/2009	13.29	Commissioning of shunt reactor.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/66KV T/F at SICOM	27/11/2009	09:45	17/12/2009	15.27	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
Main Bus - I at Talangade	14/12/2009	14.05		Continued.	To attend Red Hot
Karad-Pophali	17/12/2009	08.15	17/12/2009	17.55	Replacement of Insulator.
Chinchwad-Urse	17/12/2009	08.46	17/12/2009	18.26	Replacement of Insulator.
Phursungi - Theur	17/12/2009	09.10	17/12/2009	16.00	Repl. of Insulator
Lonikhand-Theur CKT.I	17/12/2009	09.12	17/12/2009	13.47	Q.M Work
220/100KV 50MVA T/F-III at Kandalgaon	17/12/2009	09.30	17/12/2009	18.40	Replacement of LVCT
Parbhani-Pusad	17/12/2009	10.23	17/12/2009	15.15	Q.M.work
Wardha - Yawatmal	17/12/2009	10.33	17/12/2009	16.55	Commissioning of new 220KV Y-Ph CC and Repl.of B-Ph cc.
Bus Section-III at Nasik GCR	17/12/2009	10.55		Continued.	Replacement of Breaker
Bhosari-C'enka	17/12/2009	11.30	17/12/2009	14.34	Q.M.Work.
Bus coupler at Taloja	17/12/2009	11.30	17/12/2009	14.58	Bay Maintenance
LONIKHAND-BHOSARI	17/12/2009	15.02	17/12/2009	17.53	Attending Hot Spot.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon-Roha-II	17/12/2009	09.20	17/12/2009	19.00	Repl.of Insulator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	16/12/2009	16.53	17/12/2009	00.18	H/T For O/V.
Bhusawal- Aurangabad	17/12/2009	04.35	17/12/2009	23.04	H/T For O/V.taken on load.
400/220 KV 315 ICT-I	17/12/2009	18.36	17/12/2009	21.04	H/T for Shifting on Bus-II through TBC.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Dec/2009

Position as on 6.30 Hrs of 18/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
DHULE					
Main Bus-I at Dhule	17/12/2009	19.22		Continued.	H/T for isolating Bus-I at Dhule
Bus Coupler at Dhule	17/12/2009	19.22		Continued.	H/T for Isolating Bus-I at Dhule
Bhusawal- Aurangabad	18/12/2009	05.13		Continued.	H/T To Control A'bad ICT loading.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Bhenda	12/12/2009	09.39		Continued.	H/T at A'Bad to control ICT loading
BBLSR-RANJANGAON	17/12/2009	09.56	17/12/2009	22.02	To control BBLSR ICT loading.
Alephata-Kathapur	17/12/2009	10.33	17/12/2009	18.00	To control BBLSR ICT loading.
Borivali-Boisar	17/12/2009	20.28	18/12/2009	01:44	H/T to control L/L of Boisar-Boisar PGCIL-I
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		
BBLSWR-DHULE CKT I	17/12/2009	17.08		Continued.	Tripped.
Kalwa-Padgha CKT II	17/12/2009	21.17	18/12/2009	01:11	PDR Operated.
Voltage Level : 220KV			Outage Type TRIPPED		
Lamboti-Bale-I	15/12/2009	13.57	17/12/2009	18.25	Dist.Prot taken on TBC.
Bus sectionlizer at Sonkar	17/12/2009	10.30	17/12/2009	10.50	Tripped.
Trombay - Tifil	17/12/2009	10.30	17/12/2009	10.50	D/P Y-Ph E/F.
Lamboti-Bale-II	17/12/2009	13:13	17/12/2009	14:29	Bus bar protn. operated at Bale.
Bale-Osmanbad	17/12/2009	13:13	17/12/2009	13:58	Busbar Prot. Operated.
Bale-Murud	17/12/2009	13:13	17/12/2009	14:40	Busbar Prot. Operated.
220/132 KV 150 MVA ICT-I at Dhule	17/12/2009	17.08	17/12/2009	22.55	Tripped.
Boiser PGCIL-Boiser II	17/12/2009	19:52	18/12/2009	01:39	wave trap B phase jumper broken.
Kharghar-Uran-I	17/12/2009	23:30		Continued.	tripped ckt faulty.CB air preesure low.
Voltage Level : 132KV			Outage Type TRIPPED		
Bale - Nuldurg	17/12/2009	13:13	17/12/2009	16:32	Tripped along with Bus-bar.
Kalmeshwar-Saoner	18/12/2009	03.05	18/12/2009	03.53	Dist.protection
Kalmeshwar - Katol	18/12/2009	03.05	18/12/2009	03.48	Dist.protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	60
Unit 4	105	0
Unit 5	200	160
Unit 6	210	0
Unit 7	210	160
	1040	520
Bhusawal		
Unit 1	58	50
Unit 2	210	185
Unit 3	210	190
	478	425
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	172
Unit 4	210	195
Unit 5	210	190
Unit 6	250	220
	940	823
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	140
Unit 4	210	180
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	1980
Paras		
Unit 2	55	45
Unit 3	250	200
	305	245
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	90
Unit 3	210	205
Unit 4	210	205
Unit 5	210	0
	870	595
Uran		
All Units	852	610
	852	610
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	42
BHIRA T.R.	80	42
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	169
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	580
RGPL III	740	
	1700	580
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	3222
	3143	3222