



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Jan/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Jan/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.220	2029.814	1) Madhya Pradesh	72.447	1100.162
2) Hydro	8.747	154.090	2) Gujrat	18.390	259.186
3) Gas	12.000	187.643	3) Goa	-5.487	-91.472
Total MSGENCO	136.967	2371.547	4) TAPS 1&2 (Inj.)	5.654	65.499
B) OTHERS			5) Pench (Excess)	0.000	0.004
1) RGPPL Gas	15.087	246.079	# Total Cent. Sector	91.004	1333.379
2) Wind Generation	3.076	46.991	F) Other Exchanges		
3) PENCH (MS)	0.000	0.403	1) With TPCL	-7.058	-30.326
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	18.901	405.413	1) MSEDCL Bilateral	11.526	186.890
2) TPCL Hydro	3.753	65.126	Include PX	2.677	55.402
TOTAL TPCL	22.654	470.539	2) MUMBAI Bilateral	7.478	41.664
3) REL Thermal	12.589	195.885	Include PX	1.663	13.077
D) STATE			3) MUMBAI Schedule	7.478	41.664
1) Thermal (A1+C1+C3)	147.710	2631.112	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	12.500	219.619	1) MSEDCL	239.076	3968.476
3) Gas (A3+B1)	27.087	433.722	2) TPCL	28.111	467.704
4) Wind (B2)	3.076	46.991	3) REL	14.192	229.040
TOTAL STATE	190.373	3331.444	TOTAL STATE	281.379	4665.220

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4913	5106	4755
MSGENCO Hydro	279	524	226
MSGENCO Gas	518	496	481
MSGENCO Total Generation	5710	6126	5462
Central Sector Receipt	3928	4001	3084
RGPPL	633	628	628
WIND	143	166	128
Exchange with TPCL	-387	-457	-64
MSEDCL DEMAND MET	10027	10464	9238
Load Shedding	4239	3814	0
MSEDCL DEMAND (INCL. LS)	14266	14278	9238
TPCL GENERATION	1052	1106	765
REL GENERATION	530	529	510
TPCL+REL DEMAND	1969	2092	1339
STATE DEMAND MET	11996	12556	10577
STATE DEMAND (INCL. LS)	16235	16370	10577
Frequency (Hz)	49.49	49.47	50.27
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4899 MW At 13.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			76.55 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.48 Hz at 03.30 Hrs	48.98 Hz at 18.12 Hrs	49.72	.05 % of Time

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 17/Jan/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	13.41	0	0	0
Unit 2	1.78	28.56	86	63	70
Unit 3	1.65	23.60	79	55	70
Unit 4	1.65	19.63	78	48	70
Unit 5	3.20	49.99	163	106	140
Unit 6	3.47	60.21	162	123	160
Unit 7	3.23	63.45	172	88	140
	14.98	258.84			650
Bhusawal					
Unit 1	1.23	20.91	57	44	50
Unit 2	4.20	59.42	197	157	190
Unit 3	4.58	75.48	195	178	190
	10.01	155.81			430
Parli					
Unit 1	0.58	10.12	26	22	20
Unit 2	0.58	10.00	27	22	20
Unit 3	2.80	59.38	138	78	120
Unit 4	3.97	57.49	180	138	150
Unit 5	0.72	0.72	146	-1	0
Unit 6	4.02	84.66	234	0	230
	12.66	222.36			540
Chandrapur					
Unit 1	4.10	69.24	176	169	170
Unit 2	3.90	66.07	166	154	160
Unit 3	5.11	86.26	212	209	210
Unit 4	5.00	81.86	210	196	210
Unit 5	9.90	169.89	465	352	450
Unit 6	9.94	169.02	456	357	450
Unit 7	10.14	153.96	464	364	450
	48.08	796.30			2100
Paras					
Unit 2	0.77	16.38	42	20	40
Unit 3	3.43	66.04	186	107	180
	4.20	82.42			220
Khaparkheda					
Unit 1	4.72	74.96	211	174	200
Unit 2	4.72	75.52	204	174	200
Unit 3	4.48	75.82	203	170	200
Unit 4	0.00	5.08	0	0	0
	13.92	231.39			600
Nasik					
Unit 1	1.49	37.69	101	0	0
Unit 2	2.23	26.53	98	86	86
Unit 3	4.42	80.92	201	155	182
Unit 4	4.22	74.22	199	155	182
Unit 5	0.00	63.33	0	0	0
	12.36	282.70			450
Uran					
All Units	12.00	187.64	528	481	480
	12.00	187.64			480
Koyna					
Stage 1-2	1.34	28.82	195	30	440
Stage 4	2.60	40.49	560	0	250
Koyna 12&4 Total	3.94	69.32			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.44	14.64	160	0	320
	4.38	83.95			1010
Hydro					
KDPH	0.31	5.53	39	0	36
VTRNA	0.98	14.27	61	0	60
TILLARI	0.37	6.28	61	0	60
BHTGR/VEER	1.01	19.36	43	42	55
BHIRA T.R.	0.20	3.06	78	0	80
RNGR+BHTSA	0.41	6.53	18	17	14
BHANDARDRA	0.77	7.96	32	32	34
ELDARY	0.25	1.48	17	0	0
PAITHAN	0.07	0.82	12	0	0
GHATGHAR	0.00	4.85	0	0	0
	4.37	70.14			339
PENCH (MS)					
Pench (MS)	0.00	0.40	0	0	
	0.00	0.40			
Wind					
MalharPeth	0.15	2.77			
Vankuswadi	0.36	6.52			
ATIT	0.04	0.68			
Kale	0.12	2.38			
Satara	0.15	2.45			
Shirala	0.13	1.88			
K Mahankal	0.02	0.35			
Supa	0.07	1.46			
Vita	0.90	9.62			
Dondaicha	0.58	10.00			
Sakri	0.09	1.80			
Nandurbar	0.11	1.30			
Khadakale	0.31	4.49			
Khaparale	0.06	1.29			
	3.08	46.99			
Dabhol					
RGPP L II	15.09	246.08	633	625	300
RGPP L III	0.00	0.00	0	0	
	15.09	246.08			300
Tata					
Trombay 4	3.02	29.05	135	101	130
Trombay 5	12.11	205.26	505	495	500
Trombay 6	0.00	116.83	0	0	0
Trombay 7A	2.31	33.66	103	94	100
Trombay 7B	1.46	20.61	63	58	60
TATA Hydro	3.75	65.13	336	2	447
	22.65	470.54			1237
REL					
1&2	12.59	195.88	530	501	500
	12.59	195.88			500
Cent Sect					
Share					3856
					3856

MS	Thermal+Gas	128.22	2217.46		5470
PG	Hydro	8.75	154.09		1349
CL	Total	136.97	2371.55		6819
State Total		190.37	3331.44		12712

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/Jan/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS													
1	4820	221	494	5535	629	138	3015	3260	-155	-125	9437	0	9437	1427	10864	50.13
2	4755	226	481	5462	628	128	2961	3084	-98	-64	9238	0	9238	1339	10577	50.27
3	4569	226	482	5277	627	117	2966	3350	-98	-67	9304	0	9304	1334	10638	50.26
4	4533	240	482	5255	627	137	2967	3499	-98	-68	9450	0	9450	1363	10813	50.16
5	4537	220	482	5239	627	146	2965	3706	-94	-60	9658	470	10128	1352	11480	50.06
6	4662	221	498	5381	627	153	3015	3560	-89	-59	9662	2144	11806	1351	13157	49.80
7	4919	256	521	5696	629	179	3014	3466	-89	-57	9913	2996	12909	1372	14281	49.80
8	4958	242	528	5728	632	154	3328	3640	-57	-24	10130	3623	13753	1488	15241	49.56
9	4963	207	527	5697	632	134	3325	3523	-57	-21	9965	4125	14090	1653	15743	49.73
10	4913	279	518	5710	633	143	3693	3928	-409	-387	10027	4239	14266	1969	16235	49.49
11	4814	335	505	5654	632	140	4027	4184	-559	-541	10069	4037	14106	2094	16200	49.57
12	4773	458	494	5725	626	127	3980	4154	-559	-537	10095	3891	13986	2098	16084	49.42
13	4831	710	491	6032	625	103	3848	4308	-559	-548	10520	3774	14294	2071	16365	49.62
14	4714	555	488	5757	627	99	3793	4360	-440	-426	10417	3781	14198	1936	16134	49.75
15	4771	541	487	5799	627	94	3869	4256	-440	-437	10339	3666	14005	1981	15986	49.63
16	4712	753	486	5951	627	65	3900	4084	-440	-431	10296	3782	14078	2000	16078	49.62
17	4810	583	490	5883	627	75	3900	4166	-440	-435	10316	3651	13967	1973	15940	49.61
18	4947	445	492	5884	627	85	3871	4147	-425	-420	10323	3460	13783	1940	15723	49.49
19	5022	553	494	6069	626	125	3838	4297	-353	-401	10716	3565	14281	1998	16279	49.41
20	5106	524	496	6126	628	166	3665	4001	-436	-457	10464	3814	14278	2092	16370	49.47
21	5261	332	495	6088	629	164	3454	3900	-412	-393	10388	3382	13770	2060	15830	49.62
22	5143	232	494	5869	630	147	3370	3749	-352	-330	10065	3279	13344	1952	15296	49.52
23	5081	189	498	5768	632	136	3489	3519	-465	-445	9610	2636	12246	1797	14043	49.64
24	5040	197	500	5737	633	122	3293	3241	-356	-325	9408	480	9888	1661	11549	49.67
MUs	116.65	8.75	11.92	137.32	15.09	3.08	83.55	91.38	-7.48	-7.06	239.81	64.80	304.60	42.30	346.91	49.72

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 17/Jan/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
Parli Unit 5	210	20/12/2008	10.08	17/01/2009	14.35	Annual Overhaul	20/01/2009
Tata Trombay 6	500	13/01/2009	00.11		Continued.	Capital overhaul	17/02/2009
Koyna Unit 5	80	14/01/2009	08.40		Continued.	Maintenance work	19/01/2009
Koyna Unit 6	75	14/01/2009	08.50		Continued.	Maintenance work	19/01/2009
Koradi Unit 3	105	18/01/2009	04.39		Continued.	Annual Overhaul	13/02/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	
Uran Unit 4	60	01/04/2008	00:00		Continued.	Gas Restriction	
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 3	60	23/10/2008	06.40		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	08/02/2009
Dabhol 3B	230	19/11/2008	19.55		Continued.	W/dn	15/02/2009
Dabhol 3X	290	19/11/2008	19.58		Continued.	W/dn	15/02/2009
Koradi Unit 1	105	10/01/2009	14.40	18/01/2009	14:22	NO COAL	
Khaparkheda Unit 4	210	11/01/2009	22.37		Continued.	Hydrogen Leakage	19/01/2009
Uran Unit 5	108	15/01/2009	13:25		Continued.	Gas Restriction	
Nasik Unit 1	125	17/01/2009	05.30	17/01/2009	12.00	Coal Feeder Trip.	
Cent_Sect NTPC(V-7)	500	17/01/2009	11.05	17/01/2009	12.56	Flame Failure	
Parli Unit 6	250	17/01/2009	12.42	17/01/2009	16.17	Flame Failure	
REL 1	250	18/01/2009	03.58	18/01/2009	06.52	Turbine Prot.	
Paras Unit 3	250	18/01/2009	19:18	18/01/2009	23:35	Flame Failure	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Jan/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		
DHULE-SAR'SAROVAR-I	16/01/2009	00.20	17/01/2009	07.36	H/T FOR O/V
Dhule-Sar'Sarovar II	16/01/2009	21.57	18/01/2009	07.45	H/T FOR O/V
Padgha-Tarapur CKT I	17/01/2009	02.44	17/01/2009	09.53	H/T FOR O/V
DHULE-SAR'SAROVAR-I	17/01/2009	22.16		Continued.	H/T FOR O/V
KOLHAPUR-MAPUSA CKT II	18/01/2009	23.52		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur-B' vati	17/01/2009	07.11	18/01/2009	03.23	R.M. Work
400kv ICT-I @ New Koyna	17/01/2009	08.34	17/01/2009	18.22	R.M. Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 150MVA ICT-II at Dhule	01/01/2009	11.10		Continued.	O/H (1 month outage)
200MVA ICT-I at Padgha	13/01/2009	09.26		Continued.	Isolator Repl.(On TBC)
Raymond-Washala	17/01/2009	08.40	17/01/2009	20.10	ISOLATOR MAINTAINANCE WORK
Nasik-Raymond	17/01/2009	09.15	17/01/2009	17.42	Bus outage
M.B. at Raymond	17/01/2009	09.42	17/01/2009	17.42	Maintenance work
200 MVA ICT at Raymond	17/01/2009	09.42	17/01/2009	18.00	Bay Maintaince work.
APTA-URAN CKT.III	17/01/2009	11.05	17/01/2009	16.03	Carrier Testing work
Arey M.B.Sec.II	18/01/2009	09.12	18/01/2009	17.00	Q.M. WORK
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Deepnagar-Khadka I	17/01/2009	08.50		Continued.	Diversion Work.
Deepnagar-Khadka II	17/01/2009	09.10	17/01/2009	22.08	Diversion Work.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Lamboti-Bale-I	18/01/2009	14.38	18/01/2009	15.04	H/T For O/L,ICT.
Lamboti-Bale-II	18/01/2009	14.38	18/01/2009	15.04	H/T For O/L,ICT.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132,200MVA Tr.-2 @ A' Nager	17/01/2009	11.00	17/01/2009	12.18	Tripped due to over load
Parli-Osmanabad	18/01/2009	14.55		Continued.	Tripped ,Dist.Prot.
Bale-Osmanbad	18/01/2009	14.55	18/01/2009	15.27	Tripped ,Dist.Prot.
Bale-Murud	18/01/2009	14.55		Continued.	Tripped ,Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Jan/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	50
Unit 3	105	0
Unit 4	105	60
Unit 5	200	140
Unit 6	210	140
Unit 7	210	150
	1040	540
Bhusawal		
Unit 1	58	50
Unit 2	210	190
Unit 3	210	190
	478	430
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	80
Unit 4	210	145
Unit 5	210	135
Unit 6	250	210
	940	610
Chandrapur		
Unit 1	210	170
Unit 2	210	160
Unit 3	210	210
Unit 4	210	210
Unit 5	500	350
Unit 6	500	450
Unit 7	500	450
	2340	2000
Paras		
Unit 2	55	30
Unit 3	250	100
	305	130
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	200
Unit 4	210	0
	840	600
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	200
Unit 4	210	200
Unit 5	210	0
	870	590
Uran		
All Units	852	500
	852	500
Koyna		
Stage 1-2	600	440
Stage 4	1000	250
Stage 3	320	320
	1920	1010
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	36
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	49
BHIRA T.R.	80	80
RNGR+BHTSA	20	18
BHANDARDRA	45	36
ELDARY	23	15
PAITHAN	12	12
GHATGHAR	250	0
	611	366
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	740	300
RGPL III	740	0
	1480	300
Tata		
Trombay 4	150	150
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
TATA Hydro	444	447
	1774	1277
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3485
	3143	3485

	17146	12338
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