



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Jan/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Jan/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.314	2390.246	1) Madhya Pradesh	71.539	1320.164
2) Hydro	11.925	182.570	2) Gujrat	16.596	304.794
3) Gas	11.657	223.537	3) Goa	-5.623	-107.972
Total MSGENCO	145.896	2796.353	4) TAPS 1&2 (Inj.)	6.153	83.356
B) OTHERS			5) Pench (Excess)	0.000	0.004
1) RGPPL Gas	14.324	290.176	# Total Cent. Sector	88.665	1600.346
2) Wind Generation	3.077	56.107	F) Other Exchanges		
3) PENCH (MS)	0.000	0.403	1) With TPCL	-9.589	-53.409
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	18.468	461.486	1) MSEDCL Bilateral	10.226	217.566
2) TPCL Hydro	4.117	74.142	Include PX	3.101	64.438
TOTAL TPCL	22.585	535.628	2) MUMBAI Bilateral	9.781	65.874
3) REL Thermal	12.672	232.983	Include PX	3.767	21.071
D) STATE			3) MUMBAI Schedule	9.781	65.874
1) Thermal (A1+C1+C3)	153.454	3084.715	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	16.042	257.115	1) MSEDCL	242.373	4690.379
3) Gas (A3+B1)	25.981	513.713	2) TPCL	30.035	551.327
4) Wind (B2)	3.077	56.107	3) REL	14.807	270.679
TOTAL STATE	198.554	3911.650	TOTAL STATE	287.215	5512.385

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5315	5209	4957
MSGENCO Hydro	370	1045	214
MSGENCO Gas	492	472	494
MSGENCO Total Generation	6177	6726	5665
Central Sector Receipt	3679	3833	2986
RGPPL	629	569	629
WIND	199	94	134
Exchange with TPCL	-387	-534	-72
MSEDCL DEMAND MET	10297	10688	9342
Load Shedding	4046	3739	0
MSEDCL DEMAND (INCL. LS)	14343	14427	9342
TPCL GENERATION	1071	1209	754
REL GENERATION	530	527	525
TPCL+REL DEMAND	1988	2270	1351
STATE DEMAND MET	12285	12958	10693
STATE DEMAND (INCL. LS)	16331	16697	10693
Frequency (Hz)	49.52	49.45	50.05
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4639 MW at 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			74.74 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.35 Hz at 01.20 Hrs	48.95 Hz at 08.52 Hrs	49.59	.46 % 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 20/Jan/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.63	16.87	83	50	70
Unit 2	1.85	33.89	82	72	70
Unit 3	0.00	23.85	0	0	0
Unit 4	1.87	24.66	84	70	70
Unit 5	4.03	61.69	186	137	160
Unit 6	3.76	71.22	168	136	160
Unit 7	4.01	75.34	180	142	180
	17.16	307.53			710
Bhusawal					
Unit 1	0.97	24.11	48	22	50
Unit 2	4.16	72.23	190	145	175
Unit 3	4.32	88.87	194	169	190
	9.46	185.21			415
Parli					
Unit 1	0.54	11.75	23	21	20
Unit 2	0.56	11.71	24	21	20
Unit 3	2.72	67.64	146	91	95
Unit 4	2.90	67.74	156	100	125
Unit 5	2.90	10.37	163	0	145
Unit 6	4.64	99.40	224	142	210
	14.26	268.61			615
Chandrapur					
Unit 1	4.05	81.33	174	160	165
Unit 2	3.88	77.72	164	154	160
Unit 3	5.10	101.59	219	207	210
Unit 4	4.78	96.23	210	150	210
Unit 5	10.00	197.55	482	337	450
Unit 6	9.67	197.80	468	330	450
Unit 7	10.02	183.28	485	334	450
	47.50	935.51			2095
Paras					
Unit 2	0.61	18.13	28	24	20
Unit 3	4.55	76.24	226	161	180
	5.16	94.37			200
Khaparkheda					
Unit 1	4.80	88.30	206	188	200
Unit 2	4.55	89.46	211	165	170
Unit 3	4.75	89.56	205	188	180
Unit 4	0.14	5.22	77	0	0
	14.24	272.53			550
Nasik					
Unit 1	2.20	44.35	95	76	85
Unit 2	2.24	33.15	100	82	85
Unit 3	1.96	91.63	187	0	180
Unit 4	4.38	87.49	194	165	200
Unit 5	3.76	69.86	174	144	200
	14.55	326.48			750
Uran					
All Units	11.66	223.54	510	467	450
	11.66	223.54			450
Koyna					
Stage 1-2	1.45	33.30	120	40	600
Stage 4	4.26	47.16	522	0	250
Koyna 12&4 Total	5.71	80.47			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.95	17.15	240	0	240
	6.66	97.62			1090
Hydro					
KDPH	0.00	5.53	0	0	0
VTRNA	1.26	18.21	61	0	60
TILLARI	0.36	7.40	61	0	60
BHTGR/VEER	1.18	22.88	49	49	49
BHIRA T.R.	0.16	3.53	79	0	80
RNGR+BHTSA	0.43	7.83	18	18	18
BHANDARDRA	0.86	10.41	36	36	36
ELDARY	0.25	2.22	17	0	15
PAITHAN	0.00	0.95	0	0	0
GHATGHAR	0.76	5.99	120	0	0
	5.26	84.95			318
PENCH (MS)					
Pench (MS)	0.00	0.40	0	0	
	0.00	0.40			
Wind					
MalharPeth	0.21	3.43			
Vankuswadi	0.55	8.16			
ATIT	0.06	0.82			
Kale	0.17	2.89			
Satara	0.18	3.01			
Shirala	0.17	2.35			
K Mahankal	0.11	0.50			
Supa	0.03	1.61			
Vita	0.54	11.75			
Dondaicha	0.56	11.22			
Sakri	0.12	2.04			
Nandurbar	0.05	1.42			
Khadakale	0.26	5.36			
Khaparale	0.09	1.56			
	3.08	56.11			
Dabhol					
RGPP L II	14.32	290.18	630	564	300
RGPP L III	0.00	0.00	0	0	
	14.32	290.18			300
Tata					
Trombay 4	3.03	37.80	139	98	140
Trombay 5	12.12	241.46	505	505	500
Trombay 6	0.00	116.83	0	0	0
Trombay 7A	1.95	40.44	100	72	90
Trombay 7B	1.37	24.96	63	52	60
TATA Hydro	4.12	74.14	440	0	459
	22.58	535.63			1249
REL					
1&2	12.67	232.98	530	525	500
	12.67	232.98			500
Cent Sect					
Share					3490
					3490

MS PG CL	Thermal+Gas	133.97	2613.78		5785
	Hydro	11.92	182.57		1408
	Total	145.90	2796.35		7193
State Total		198.55	3911.65		12732

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	4981	209	497	5687	630	99	3006	3207	-88	-70	9553	0	9553	1369	10922	50.01
2	4969	209	495	5673	630	120	3006	3042	-88	-69	9396	0	9396	1366	10762	50.16
3	4957	214	494	5665	629	134	3006	2986	-88	-72	9342	0	9342	1351	10693	50.05
4	4950	204	505	5659	628	143	3006	3135	-88	-56	9509	0	9509	1314	10823	50.08
5	4963	204	500	5667	627	166	3002	3308	-83	-65	9703	644	10347	1325	11672	49.82
6	5060	209	510	5779	629	166	3053	3348	-79	-61	9861	2155	12016	1322	13338	49.57
7	5264	295	504	6063	630	183	3055	3230	-126	-112	9994	3227	13221	1450	14671	49.35
8	5322	235	495	6052	628	217	3442	3376	-176	-156	10117	3637	13754	1551	15305	49.23
9	5317	227	467	6011	628	155	3562	3536	-295	-295	10035	3933	13968	1795	15763	49.24
10	5315	370	492	6177	629	199	3736	3679	-408	-387	10297	4046	14343	1988	16331	49.52
11	5275	409	492	6176	618	198	3977	3793	-651	-646	10139	3592	13731	2242	15973	49.48
12	5148	459	487	6094	589	223	3974	4254	-651	-641	10519	3815	14334	2291	16625	49.60
13	5069	569	479	6117	590	148	4009	4329	-712	-718	10466	3899	14365	2300	16665	49.55
14	4860	818	480	6158	568	100	3960	4074	-664	-673	10227	3932	14159	2212	16371	49.72
15	5053	709	484	6246	569	68	3982	4150	-688	-696	10337	3844	14181	2233	16414	49.70
16	4983	694	485	6162	566	55	3983	4065	-691	-699	10149	3898	14047	2235	16282	49.51
17	4916	716	482	6114	564	69	3983	4162	-691	-700	10209	3785	13994	2220	16214	49.42
18	5076	784	468	6328	566	81	3888	4204	-580	-590	10589	3514	14103	2131	16234	49.52
19	5171	970	471	6612	567	81	3861	4021	-528	-533	10748	3586	14334	2230	16564	49.46
20	5209	1045	472	6726	569	94	3507	3833	-528	-534	10688	3739	14427	2270	16697	49.45
21	5191	855	472	6518	568	89	3510	3873	-528	-514	10534	3388	13922	2112	16034	49.42
22	5105	672	473	6250	568	91	3505	3617	-520	-503	10023	3349	13372	2047	15419	49.29
23	5088	267	475	5830	567	100	3472	3660	-484	-471	9686	2928	12614	1850	14464	49.51
24	4902	214	476	5592	567	97	3251	3411	-350	-328	9339	2143	11482	1642	13124	49.59
MUs	122.14	11.56	11.66	145.36	14.32	3.08	84.74	88.29	-9.78	-9.59	241.46	67.05	308.51	44.85	353.36	49.59

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 20/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
Tata Trombay 6	500	13/01/2009	00.11		Continued.	Capital overhaul	17/02/2009
Koradi Unit 3	105	18/01/2009	04.39		Continued.	Annual Overhaul	13/02/2009
Koyna Unit 12	80	20/01/2009	00.00		Continued.	Maintenance work	05/02/2009
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
Khaparkheda Unit 4	210	11/01/2009	22.37	20/01/2009	21.52	Hydrogen Leakage	20/01/2009
Uran Unit 5	108	15/01/2009	13:25		Continued.	Gas Restriction	
Nasik Unit 3	210	20/01/2009	11.10		Continued.	Boiler Tube Leakage	
Parli Unit 5	210	20/01/2009	14.57	20/01/2009	16.51	Flame Failure	
Bhusawal Unit 3	210	21/01/2009	00.25		Continued.	Heavy Bonnet Leakage.	24/01/2009
Parli Unit 3	210	21/01/2009	01.40		Continued.	Boiler Tube Leakage	24/01/2009

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jan/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur-Bhadravati-II	20/01/2009	07.42	21/01/2009	02.53	ANNUAL MAINT. WORK
Voltage Level : 400KV			Outage Type HAND TRIPPED		
DHULE-SAR'SAROVAR-I	17/01/2009	22.16		Continued.	H/T FOR O/V
Kolhapur-Mapusa Ckt I	19/01/2009	22.48		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV B.C.at Kalwa	19/01/2009	09.25		Continued.	Breaker Replacement
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)
M.B. at Lote S/S.	19/01/2009	10.35		Continued.	Bus P.T.Maint.Work
M.B. II at Talangde S/S.	19/01/2009	10.55		Continued.	Isolator Maintaince Work.
Nasik-Bablsr Ckt II	20/01/2009	07.50	20/01/2009	19.01	Insulator Replacement
Mudshingi - Peth	20/01/2009	09.25	20/01/2009	16.00	Maintenance work
M.B.at Miraj S/S	20/01/2009	10.10	20/01/2009	16.15	Maintenance work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dhabhol-N'Thane I	20/01/2009	13.41	20/01/2009	16.38	To remove Breakers E/W
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/100KV,100 MVA ICT-2 at Tambati	20/01/2009	14.30	20/01/2009	17.20	Testing Work
Voltage Level : 220KV			Outage Type TRIPPED		
Chandrapur-MIDC	20/01/2009	00.23	20/01/2009	00.56	Back up Protection optd.
Chandrapur-Gadchandur	20/01/2009	00.23	20/01/2009	00.47	Tripped on Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Jan/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	70
Unit 3	105	0
Unit 4	105	80
Unit 5	200	150
Unit 6	210	160
Unit 7	210	150
	1040	685
Bhusawal		
Unit 1	58	25
Unit 2	210	150
Unit 3	210	0
	478	175
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	0
Unit 4	210	135
Unit 5	210	95
Unit 6	250	230
	940	500
Chandrapur		
Unit 1	210	170
Unit 2	210	160
Unit 3	210	210
Unit 4	210	180
Unit 5	500	450
Unit 6	500	450
Unit 7	500	425
	2340	2045
Paras		
Unit 2	55	25
Unit 3	250	175
	305	200
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	200
Unit 4	210	180
	840	780
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	0
Unit 4	210	180
Unit 5	210	160
	870	530
Uran		
All Units	852	470
	852	470
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	60
TILLARI	60	60
BHTGR/VEER	21	49
BHIRA T.R.	80	80
RNGR+BHTSA	20	18
BHANDARDRA	45	36
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	303
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	
	1480	300
Tata		
Trombay 4	150	100
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	100
Trombay 7B	60	65
TATA Hydro	444	447
	1774	1212
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3832
	3143	3832

	17146	12622
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