



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Jan/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Jan/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.219	3270.934	1) Madhya Pradesh	68.838	1803.788
2) Hydro	13.264	263.497	2) Gujrat	13.007	412.027
3) Gas	12.611	315.925	3) Goa	-5.372	-145.255
Total MSGENCO	153.094	3850.356	4) TAPS 1&2 (Inj.)	7.066	131.107
B) OTHERS			5) Pench (Excess)	0.000	0.077
1) RGPPL Gas	7.204	348.955	# Total Cent. Sector	83.539	2201.744
2) Wind Generation	1.837	71.585	F) Other Exchanges		
3) PENCH (MS)	0.000	0.403	1) With TPCL	-8.558	-110.940
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	18.374	585.984	1) MSEDCL Bilateral	9.927	285.913
2) TPCL Hydro	3.938	98.978	Include PX	2.656	82.363
TOTAL TPCL	22.312	684.962	2) MUMBAI Bilateral	9.176	126.275
3) REL Thermal	12.709	321.784	Include PX	3.104	40.468
D) STATE			3) MUMBAI Schedule	9.176	126.325
1) Thermal (A1+C1+C3)	158.302	4178.702	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	17.202	362.878	1) MSEDCL	237.116	6362.506
3) Gas (A3+B1)	19.815	664.880	2) TPCL	29.126	747.451
4) Wind (B2)	1.837	71.585	3) REL	14.454	370.118
TOTAL STATE	197.156	5278.045	TOTAL STATE	280.696	7480.075

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	5457	5457	4810
MSGENCO Hydro	600	1250	113
MSGENCO Gas	450	498	687
MSGENCO Total Generation	6507	7205	5610
Central Sector Receipt	3720	3621	2723
RGPPL	307	306	276
WIND	29	94	153
Exchange with TPCL	-392	-605	-42
MSEDCL DEMAND MET	10171	10621	8720
Load Shedding	4167	3684	0
MSEDCL DEMAND (INCL. LS)	14338	14305	8720
TPCL GENERATION	1023	1115	708
REL GENERATION	530	529	530
TPCL+REL DEMAND	1945	2249	1280
STATE DEMAND MET	12116	12870	10000
STATE DEMAND (INCL. LS)	16283	16554	10000
Frequency (Hz)	49.53	49.30	50.13
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4946 MW At 14.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			73.950 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.54 Hz at 00.08 Hrs	48.86 Hz at 20.01 Hrs	49.58	1.41 % 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 27/Jan/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.65	28.19	78	55	70
Unit 2	1.76	45.88	79	64	70
Unit 3	0.00	23.85	0	0	0
Unit 4	1.55	35.59	79	44	60
Unit 5	3.51	86.53	170	130	150
Unit 6	3.52	96.43	164	131	150
Unit 7	3.70	101.50	189	133	170
	15.67	417.96			670
Bhusawal					
Unit 1	0.90	31.21	47	22	40
Unit 2	3.87	99.59	174	140	180
Unit 3	2.92	104.80	186	0	180
	7.69	235.60			400
Parli					
Unit 1	0.53	15.50	23	21	20
Unit 2	0.56	15.72	25	22	20
Unit 3	3.94	81.94	174	155	155
Unit 4	4.16	94.36	194	138	170
Unit 5	3.64	32.08	178	122	150
Unit 6	4.96	135.39	227	176	210
	17.80	375.00			725
Chandrapur					
Unit 1	4.17	109.92	179	168	170
Unit 2	3.72	104.63	164	147	160
Unit 3	5.10	136.70	214	211	210
Unit 4	4.34	126.03	190	167	180
Unit 5	10.46	270.59	475	375	435
Unit 6	10.59	270.15	470	380	450
Unit 7	10.65	256.64	475	320	470
	49.04	1274.65			2075
Paras					
Unit 2	1.08	22.84	46	40	40
Unit 3	4.40	106.17	195	165	200
	5.47	129.01			240
Khaparkheda					
Unit 1	4.75	120.86	213	177	200
Unit 2	4.71	122.60	204	177	200
Unit 3	4.34	122.28	192	167	180
Unit 4	4.43	37.10	196	172	170
	18.22	402.84			750
Nasik					
Unit 1	2.15	59.60	96	81	90
Unit 2	2.09	47.47	93	78	80
Unit 3	4.48	117.81	207	164	190
Unit 4	4.60	120.30	205	169	197
Unit 5	0.00	90.70	0	0	0
	13.32	435.87			557
Uran					
All Units	12.61	315.92	694	403	520
	12.61	315.92			520
Koyna					
Stage 1-2	1.94	47.21	200	35	600
Stage 4	5.80	75.57	580	0	250
Koyna 12&4 Total	7.73	122.78			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.62	26.33	240	0	240
	9.35	149.12			1090
Hydro					
KDPH	0.46	7.66	19	19	19
VTRNA	1.16	27.01	62	0	60
TILLARI	0.37	10.00	60	0	60
BHTGR/VEER	0.98	29.94	41	41	39
BHIRA T.R.	0.17	4.73	66	0	80
RNGR+BHTSA	0.31	10.30	13	13	13
BHANDARDRA	0.00	12.84	0	0	0
ELDARY	0.00	2.62	0	0	0
PAITHAN	0.00	1.34	0	0	0
GHATGHAR	0.46	7.93	125	0	0
	3.91	114.38			271
PENCH (MS)					
Pench (MS)	0.00	0.40	0	0	
	0.00	0.40			
Wind					
MalharPeth	0.08	4.32			
Vankuswadi	0.15	10.36			
ATIT	0.01	1.01			
Kale	0.01	3.37			
Satara	0.06	3.75			
Shirala	0.02	2.83			
K Mahankal	0.01	0.59			
Supa	0.03	1.87			
Vita	0.36	14.78			
Dondaicha	0.70	15.80			
Sakri	0.17	2.87			
Nandurbar	0.12	2.02			
Khadakale	0.11	6.21			
Khaparale	0.01	1.80			
	1.84	71.58			
Dabhol					
RGPPPL II	7.20	348.96	307	276	300
RGPPPL III	0.00	0.00	0	0	
	7.20	348.96			300
Tata					
Trombay 4	2.56	52.25	137	50	140
Trombay 5	12.00	324.72	500	500	500
Trombay 6	0.00	116.83	0	0	0
Trombay 7A	2.35	56.87	99	95	90
Trombay 7B	1.46	35.31	62	60	60
TATA Hydro	3.94	98.98	473	2	447
	22.31	684.96			1237
REL					
1&2	12.71	321.78	531	528	500
	12.71	321.78			500
Cent Sect					
Share					3506
					3506

MS	Thermal+Gas	139.83	3586.86		5937
PG	Hydro	13.26	263.50		1361
CL	Total	153.09	3850.36		7298
State Total		197.16	5278.04		12841

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	5016	174	681	5871	286	134	2937	2642	-88	-43	8890	0	8890	1282	10172	50.18
2	4974	124	683	5781	276	166	2904	2548	-88	-38	8733	0	8733	1275	10008	50.20
3	4810	113	687	5610	276	153	2904	2723	-88	-42	8720	0	8720	1280	10000	50.13
4	4931	113	692	5736	276	126	2905	2808	-88	-38	8908	0	8908	1277	10185	50.10
5	5123	118	694	5935	290	132	2909	2943	-83	-37	9263	0	9263	1278	10541	49.94
6	5166	173	554	5893	304	124	2904	3077	-79	-35	9363	2128	11491	1288	12779	49.66
7	5306	319	420	6045	305	109	2857	2957	-79	-40	9376	3538	12914	1356	14270	49.49
8	5335	219	435	5989	305	50	3193	3416	-57	-27	9733	3911	13644	1468	15112	49.43
9	5477	283	445	6205	305	34	3426	3724	-294	-263	10005	4202	14207	1704	15911	49.47
10	5457	600	450	6507	307	29	3573	3720	-418	-392	10171	4167	14338	1945	16283	49.53
11	5491	606	497	6594	307	30	3600	3780	-453	-432	10279	3765	14044	2154	16198	49.37
12	5440	696	495	6631	305	28	3672	3809	-500	-477	10296	4001	14297	2273	16570	49.36
13	5382	898	485	6765	302	27	3867	3945	-689	-677	10362	4034	14396	2279	16675	49.21
14	5317	1047	487	6851	304	32	3802	3901	-618	-612	10476	4100	14576	2137	16713	49.42
15	5331	772	490	6593	304	49	3857	4080	-666	-658	10368	4004	14372	2198	16570	49.43
16	5393	771	486	6650	303	44	3856	3932	-666	-659	10270	4011	14281	2197	16478	49.40
17	5399	859	403	6661	304	66	3859	3764	-668	-658	10137	3914	14051	2205	16256	49.43
18	5428	812	499	6739	307	62	3841	3944	-627	-619	10433	3570	14003	2194	16197	49.61
19	5491	1172	501	7164	307	82	3642	3880	-641	-627	10806	3384	14190	2198	16388	49.58
20	5457	1250	498	7205	306	94	3514	3621	-619	-605	10621	3684	14305	2249	16554	49.30
21	5444	1092	500	7036	306	77	3397	3594	-493	-470	10543	3353	13896	2102	15998	49.38
22	5407	732	504	6643	306	71	3371	3533	-443	-421	10132	3369	13501	1927	15428	49.28
23	5305	182	507	5994	307	57	3459	3706	-445	-425	9639	2916	12555	1754	14309	49.54
24	5339	139	518	5996	306	56	3289	3492	-289	-263	9587	1086	10673	1559	12232	49.58
MUs	127.22	13.26	12.61	153.09	7.20	1.83	81.54	83.54	-9.18	-8.56	237.11	67.14	304.25	43.58	347.83	49.58

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 27/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
Koyna ST-IV 1	250	20/01/2009	22:00		Continued.	Annual Overhaul	20/02/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	01/07/2009
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	01/06/2009
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
Dabhol 1X	290	22/01/2009	12.03		Continued.	BHMS Installation work	31/01/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	31/01/2009
Nasik Unit 5	210	25/01/2009	22.10		Continued.	ID Fan Problem	29/01/2009
Bhusawal Unit 3	210	26/01/2009	00.20	27/01/2009	05.57	Condensor Tube Leakage	
Cent_Sect NTPC(V-4)	210	27/01/2009	01.00	27/01/2009	20.35	Boiler Tube Leakage	
Uran Unit 8	108	27/01/2009	06.30	27/01/2009	23.37	Gas Restriction	
Bhusawal Unit 1	58	28/01/2009	00.52		Continued.	D.C.Earth Fault.	
Parli Unit 5	210	28/01/2009	03.36		Continued.	Boiler Tube Leakage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/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		
KORADI-SATPUR	27/01/2009	07.06	27/01/2009	23.16	Outage
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 II	25/01/2009	01.36	27/01/2009	16.37	H/T FOR O/V
Dhule-Sar'Sarovar II	26/01/2009	21.45	27/01/2009	07.56	H/T For Controlling SYSO/V.
Kolhapur-Mapusa Ckt I	27/01/2009	21.25		Continued.	H/T FOR O/V
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	27/01/2009	01.15	27/01/2009	01.47	Tripped ,Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
B.C..@Padghe	27/01/2009	09.19	27/01/2009	17.30	Bay Maintenance 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)
Nagothane-MSL	27/01/2009	09.30	27/01/2009	18.37	R.M. Work
APTA-URAN CKT.III	27/01/2009	09.40		Continued.	CT replacement.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Talangade-Mudshingi-II	27/01/2009	12.04	27/01/2009	14.44	RED HOT.
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand-Stage IV	26/01/2009	14.45	27/01/2009	08.01	Auto Reclose Lockout,DC Leakage.
Padgha-Kharghar	27/01/2009	11.15	27/01/2009	12.19	Bus Fault
Kalwa-Kharghar	27/01/2009	11.15	27/01/2009	11.53	Bus Fault
ICT-II at kharghar	27/01/2009	11.15	27/01/2009	11.56	Bus Fault
Bus - I & II @ Kharghar	27/01/2009	11.15	27/01/2009	11.57	Bus Fault
BUS COUPLER @ KHAGHAR	27/01/2009	11.15	27/01/2009	11.57	Bus Fault
ICT-I @ Kharghar	27/01/2009	11.15	27/01/2009	12.31	Bus Fault
BUS COUPLER @ KHAGHAR	27/01/2009	22.00	27/01/2009	22.15	Tripped
Voltage Level : 220KV			Outage Type TRIPPED		
220/22kv 50MVA T/F-I @Phursungi	27/01/2009	08.45	27/01/2009	10.25	Tripped
220/22kv 50MVA T/F-II @Phursungi	27/01/2009	08.45	27/01/2009	10.40	Tripped
220/132KV200 MVA ICT-III @Phursungi	27/01/2009	08.45	27/01/2009	10.40	Tripped
220/132KV200MVA ICT IV @Phursungi	27/01/2009	08.45	27/01/2009	13.05	Tripped
Phursungi - Parvati	27/01/2009	08.45	27/01/2009	09.36	Tripped @ Phursungi End.
Phursungi - Theur	27/01/2009	08.45	27/01/2009	10.10	Bus Fault
Phursungi - Jejuri	27/01/2009	08.45	27/01/2009	10.46	Bus Fault

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Jan/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	0
Unit 4	105	70
Unit 5	200	150
Unit 6	210	150
Unit 7	210	150
	1040	660
Bhusawal		
Unit 1	58	0
Unit 2	210	180
Unit 3	210	180
	478	360
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	165
Unit 5	210	0
Unit 6	250	235
	940	610
Chandrapur		
Unit 1	210	170
Unit 2	210	160
Unit 3	210	210
Unit 4	210	185
Unit 5	500	470
Unit 6	500	460
Unit 7	500	470
	2340	2125
Paras		
Unit 2	55	40
Unit 3	250	180
	305	220
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	200
Unit 4	210	200
	840	800
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	600
	852	600
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	19
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	39
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	12
GHATGHAR	250	0
	611	283
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	740	300
RGPPPL III	740	
	1480	300
Tata		
Trombay 4	150	140
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	90
Trombay 7B	60	60
TATA Hydro	444	447
	1774	1237
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3404
	3143	3404

	17146	12779
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