



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Jan/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.499	3293.598	1) Madhya Pradesh	53.512	1527.023
2) Hydro	8.462	225.164	2) Gujrat	22.633	593.492
3) Gas	11.699	349.856	3) Goa	-6.249	-175.742
Total MSGENCO	136.660	3868.618	4) TAPS 1&2 (Inj.)	5.660	97.898
B) OTHERS			5) Pench (Excess)	-0.032	-11.863
1) RGPPL Gas	37.580	793.864	# Total Cent. Sector	75.524	2030.808
2) Wind Generation	2.951	72.026	F) Other Exchanges		
3) PENCH (MS)	0.032	11.863	1) With TPCL	-5.635	-112.611
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	20.892	575.570	1) MSEDCL Bilateral	7.197	183.463
2) TPCL Hydro	6.273	139.633	Include PX	1.241	22.334
TOTAL TPCL	27.165	715.203	2) MUMBAI Bilateral	5.005	121.718
3) REL Thermal	12.689	343.181	Include PX	3.119	66.957
D) STATE			3) MUMBAI Schedule	6.130	130.603
1) Thermal (A1+C1+C3)	150.080	4212.349	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	14.767	376.660	1) MSEDCL	247.112	6664.568
3) Gas (A3+B1)	49.279	1143.720	2) TPCL	29.691	759.865
4) Wind (B2)	2.951	72.026	3) REL	15.799	411.403
TOTAL STATE	217.077	5804.755	TOTAL STATE	292.602	7835.836

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4863	5258	4397
MSGENCO Hydro	466	652	232
MSGENCO Gas	472	498	497
MSGENCO Total Generation	5801	6408	5126
Central Sector Receipt	3662	3684	2116
RGPPL	1568	1580	1466
WIND	131	132	104
Exchange with TPCL	-431	-424	-8
MSEDCL DEMAND MET	10731	11380	8804
Load Shedding	3384	3711	0
MSEDCL DEMAND (INCL. LS)	14115	15091	8804
TPCL GENERATION	1403	1380	670
REL GENERATION	529	525	531
TPCL+REL DEMAND	2363	2329	1209
STATE DEMAND MET	13094	13709	10013
STATE DEMAND (INCL. LS)	16478	17420	10013
Frequency (Hz)	49.60	49.58	49.94
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3919 MW at 15:00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			55.49 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.46 Hz at 14.03 Hrs	48.79 Hz at 20.05 Hrs	49.69	.52 % 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 27/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.93	45.05	87	76	75
Unit 2	1.67	44.44	76	61	70
Unit 3	0.00	10.30	0	0	0
Unit 4	1.87	39.90	85	56	75
Unit 5	0.00	87.52	0	0	0
Unit 6	3.69	89.98	164	141	150
Unit 7	3.94	76.30	184	142	170
	13.10	393.49			540
Bhusawal					
Unit 1	1.01	25.89	50	18	50
Unit 2	1.43	96.25	183	0	0
Unit 3	4.64	119.12	200	190	195
	7.08	241.26			245
Parli					
Unit 1	0.56	14.47	24	22	23
Unit 2	0.56	14.77	24	22	23
Unit 3	0.00	73.22	0	0	0
Unit 4	4.18	122.91	191	152	200
Unit 5	4.13	108.61	178	155	180
Unit 6	5.79	145.68	250	213	240
	15.22	479.65			666
Chandrapur					
Unit 1	3.21	90.28	146	114	150
Unit 2	3.87	95.52	166	150	160
Unit 3	4.56	111.31	198	181	210
Unit 4	4.23	104.81	195	140	210
Unit 5	8.48	271.42	455	220	200
Unit 6	9.50	267.15	430	360	350
Unit 7	9.92	240.44	452	351	350
	43.76	1180.92			1630
Paras					
Unit 2	1.08	20.89	47	41	45
Unit 3	5.01	105.83	238	140	225
	6.08	126.72			270
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.62	124.58	206	168	180
Unit 3	4.99	125.93	215	180	185
Unit 4	5.00	131.54	215	185	185
	14.62	404.65			550
Nasik					
Unit 1	2.16	51.26	97	80	95
Unit 2	2.21	50.51	99	70	95
Unit 3	4.78	130.40	210	182	205
Unit 4	4.56	126.23	206	162	205
Unit 5	2.93	108.51	204	0	0
	16.64	466.91			600
Uran					
All Units	11.70	349.86	499	456	470
	11.70	349.86			470
Koyna					
Stage 1-2	1.38	45.82	180	35	600
Stage 4	0.57	49.75	374	0	250
Koyna 12&4 Total	1.95	95.57			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.39	20.32	138	0	240
	2.34	115.89			1090
Hydro					
KDPH	0.94	7.98	40	39	36
VTRNA	1.24	10.98	61	0	60
TILLARI	0.38	9.99	60	0	60
BHTGR/VEER	1.69	35.48	71	70	60
BHIRA T.R.	0.26	7.18	81	0	80
RNGR+BHTSA	0.31	8.51	14	12	15
BHANDARDRA	0.00	6.03	0	0	0
ELDARY	0.23	0.95	11	0	10
PAITHAN	0.06	1.42	9	0	9
GHATGHAR	1.02	20.74	125	0	0
	6.12	109.27			330
PENCH (MS)					
Pench (MS)	0.03	11.86	17	0	
	0.03	11.86			
Wind					
MalharPeth	0.06	3.04			
Vankuswadi	0.22	7.67			
ATIT	0.03	1.47			
Kale	0.06	2.30			
Satara	0.08	3.01			
Shirala	0.07	2.50			
K Mahankal	0.11	2.10			
Supa	0.05	1.86			
Vita	0.45	14.54			
Dondaicha	1.29	19.30			
Sakri	0.15	2.54			
Nandurbar	0.17	2.22			
Khadakale	0.16	5.30			
Khaparale	0.06	4.18			
	2.95	72.03			
Dabhol					
RGPP L II	37.58	793.86	1603	1466	1580
RGPP L III	0.00	0.00	0	0	
	37.58	793.86			1580
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	11.46	290.60	510	325	500
Trombay 7A	2.44	74.34	126	80	120
Trombay 7B	1.50	42.50	69	57	60
Trombay 8	5.50	148.43	250	150	250
TATA Hydro	6.27	139.63	481	0	447
	27.16	715.20			1377
REL					
1&2	12.69	343.18	532	514	500
	12.69	343.18			500
Cent Sect					
Share					3344
					3344

MS PG CL	Thermal	116.50	3293.60		4501
	Thml+Gas	128.20	3643.45		4971
	Hydro	8.46	225.16		1420
	Total	136.66	3868.62		6391
State Total		217.08	5804.76		13192

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/Jan/2010

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	4359	242	496	5097	1603	124	2714	2153	-32	-20	8957	441	9398	1445	10843	50.07
2	4381	237	497	5115	1530	102	2714	2320	-32		9067	0	9067	1285	10352	49.96
3	4394	232	498	5124	1467	107	2714	2197	-32	3	8898	0	8898	1242	10140	49.92
4	4397	232	497	5126	1466	104	2714	2116	-32	-8	8804	0	8804	1209	10013	49.94
5	4341	227	496	5064	1502	107	2694	2394	-32	-6	9061	0	9061	1206	10267	49.95
6	4549	232	495	5276	1601	111	2799	2753	-32	-19	9722	225	9947	1295	11242	49.70
7	4683	244	496	5423	1603	166	3169	2878	56	60	10130	1527	11657	1448	13105	49.65
8	4727	244	495	5466	1601	197	3169	2883	56	58	10220	2936	13156	1603	14759	49.53
9	4900	261	495	5656	1599	215	3164	2834	52	50	10371	3258	13629	1822	15451	49.61
10	4944	309	494	5747	1590	248	3484	3280	-243	-240	10625	3250	13875	2157	16032	49.64
11	4946	436	494	5876	1568	226	3575	3756	-346	-337	11089	3014	14103	2260	16363	49.60
12	4863	466	472	5801	1568	131	3613	3662	-450	-431	10731	3384	14115	2363	16478	49.60
13	4828	370	459	5657	1560	88	3511	3811	-507	-459	10657	3330	13987	2364	16351	49.65
14	4878	374	456	5708	1566	59	3538	4017	-507	-448	10902	3303	14205	2266	16471	49.92
15	4954	316	458	5728	1565	56	3518	3955	-507	-500	10804	3442	14246	2292	16538	49.77
16	4965	308	473	5746	1561	42	3476	3771	-534	-508	10612	3280	13892	2283	16175	49.61
17	5075	338	471	5884	1564	53	3536	3924	-538	-483	10942	3239	14181	2275	16456	49.53
18	5176	348	480	6004	1571	54	3596	3989	-471	-472	11146	2955	14101	2222	16323	49.57
19	5218	975	489	6682	1570	122	3132	3337	-383	-380	11331	3544	14875	2280	17155	49.41
20	5258	652	498	6408	1580	132	3283	3684	-452	-424	11380	3711	15091	2329	17420	49.58
21	5226	625	497	6348	1579	143	3175	3341	-335	-309	11102	3420	14522	2215	16737	49.43
22	5184	344	496	6024	1585	136	3107	2938	-214	-188	10495	3447	13942	2055	15997	49.59
23	5143	223	498	5864	1588	113	3160	2904	-309	-288	10181	3130	13311	1831	15142	49.62
24	5110	227	499	5836	1593	115	2984	2627	-309	-286	9885	2155	12040	1742	13782	49.77
MUs	116.50	8.46	11.70	136.66	37.58	2.95	76.54	75.52	-6.13	-5.64	247.11	56.99	304.10	45.49	349.59	49.69

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 27/Jan/2010

Position as on 6.30 Hrs of 28/Jan/2010

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 5	500	03/01/2010	00:57		Continued.	AOH	01/02/2010
Khaparkheda Unit 1	210	05/01/2010	23:57		Continued.	AOH	09/02/2010
Koradi Unit 3	105	09/01/2010	00:17		Continued.	COH.	21/03/2010
Uran Unit 6	108	20/01/2010	01:22		Continued.	Major Overhauling work.	05/03/2010
Koyna Unit 9	80	20/01/2010	11:00		Continued.	AOH.	19/02/2010
FORCED OUTAGE							
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
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.	W/Dn.	
Parli Unit 3	210	25/01/2010	23:53		Continued.	Abnormal Hunting in governing system	29/01/2010
Bhusawal Unit 2	210	26/01/2010	00:04	27/01/2010	13:48	Boiler Tube Leakage	
Nasik Unit 5	210	26/01/2010	08:00	27/01/2010	07:50	B.T.L.	
Koradi Unit 5	200	26/01/2010	22:10		Continued.	I.D. Fan Problem.	29/01/2010
Cent_Sect NTPC(V-8)	500	27/01/2010	15:45		Continued.	B.T.L.	30/01/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jan/2010

Position as on 6.30 Hrs of 28/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kolhapur - Amona	23/01/2010	08.20	27/01/2010	12:08	LILo Work @ Mumewadi
NASIK-NAVASARI-II	27/01/2010	08:00	27/01/2010	17:30	Insulator Washing.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - I	12/01/2010	12.56		Continued.	H/T. SYSTEM CONSTRAINT.
Dhule-Sar'Sarovar - II	12/01/2010	22.22		Continued.	H/T for O/V at Dhule S/S.
Akola - Aurangabad - I	20/01/2010	00:45		Continued.	H/T System Constraint.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa-Kharghar	15/01/2010	12.39		Continued.	Breaker Overhauling Work, Line on TBC.
400 KV Bus Coupler @ Chandrapur	18/01/2010	09.50		Continued.	Commissioning of New 400KV CGL Make Breaker
80 MVAR Bus Reactor-I at BBLSR.	27/01/2010	09:10	27/01/2010	15:35	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-I at Dhule	19/01/2010	15:40		Continued.	Main CKT Breaker New Commissioning work.ICT on TBC.
Own Breaker 210 MW Generating Unit III at Parly - I	26/01/2010	11:45		Continued.	Breaker replacement work for 3 days.
Kandalgaon - Pophali	27/01/2010	08:15	27/01/2010	17:55	Cond. Replacement.
Nagothane-MSL	27/01/2010	09:45	27/01/2010	17:21	Relay Testing.
Kharepatan-Pawas	27/01/2010	10:00	27/01/2010	18:25	E/W Replacement.
Kanhan - Bhandara - I	27/01/2010	10:35	27/01/2010	14:15	Maintenance of Bay and Line.
Karad - Vita - I	27/01/2010	10:40	27/01/2010	17:15	Q. M. Work.
Kanhan - Umred	27/01/2010	12:26	27/01/2010	18:38	Q.M. Work.
Pusad - Parbhani	27/01/2010	13:28	27/01/2010	18:37	Retrofitting of Relays.
Aurangabad - Padegaon - I.	27/01/2010	16:35		Continued.	BKR. Replacement work, ckt on TBC. (15 days)
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Kalmeshwar - Katol	27/01/2010	08:31	27/01/2010	18:01	Fixing of Earth Wire from Loc.No. 54 to 69.
Pardi-Uppalwadi	27/01/2010	08:31	27/01/2010	18:01	Replacement of Breaker.
Kawlewada-Gondia-II	27/01/2010	08:31	27/01/2010	18:01	Maintenance of Bay and Line.
Chalishaon-Dhule	27/01/2010	10:32	27/01/2010	17:00	Repl. of LA.
132 KV PT Bay at Telgaon	27/01/2010	10:50	27/01/2010	14:30	Repl. of PT.
132 KV Main Bus at Asgaon	27/01/2010	11:55	27/01/2010	17:45	Jumpering work of New 132 KV Bay (3 Nos)
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Own BKR 400/21 KV, 600 MVA GT - VII at Chandrapur.	25/01/2010	08:12		Continued.	GT VII on TBC, Main BKR, Air leakage problem.
400/220 KV 315 MVA ICT - II @ Koradi.	26/01/2010	10:32		Continued.	L. V. side breaker air leakage hence Taken on TBC.
Voltage Level : 132KV			Outage Type FORCED OUTAGE		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jan/2010

Position as on 6.30 Hrs of 28/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Bhusawal - Pachora	27/01/2010	08:50	27/01/2010	17:25	Repl. of Line Isolator Jaw and Vibration dampers.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	25/01/2010	18.01	27/01/2010	11:57	Over Voltage
Bhusawal- Aurangabad	27/01/2010	18:02		Continued.	H/T for O/V, System constraint.
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC Pole I Padgha	27/01/2010	05.04	27/01/2010	06.09	Main Circuit Flow Trip Alarm.
Voltage Level : 220KV			Outage Type TRIPPED		
220/33KV, 25MVA T/F at Gadchandur	26/01/2010	09:50		Continued.	Bulcholz trip.
Dondaicha - Sahada	27/01/2010	17:00	27/01/2010	21:55	Dist. Prot.B-Ph CT burst at Dondaicha
Voltage Level : 132KV			Outage Type TRIPPED		
132/33 KV 25 MVA T/F-I at Kalmeshwar	23/01/2010	10.44		Continued.	Differential Protection Operated.
Harangul - Udgir	27/01/2010	15:00	27/01/2010	15:15	Dist. Prot.
Dondaicha - Sahada	27/01/2010	17:00	27/01/2010	17:35	Dist. Prot.
Kharephaten - Tale Bajar	27/01/2010	17:15	27/01/2010	17:50	B'phase decaping@ Kharepathan

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	85
Unit 2	105	70
Unit 3	105	0
Unit 4	105	80
Unit 5	200	0
Unit 6	210	160
Unit 7	210	180
	1040	575
Bhusawal		
Unit 1	58	25
Unit 2	210	180
Unit 3	210	195
	478	400
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	0
Unit 4	210	200
Unit 5	210	180
Unit 6	250	240
	940	666
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2080
Paras		
Unit 2	55	46
Unit 3	250	210
	305	256
Khaparkheda		
Unit 1	210	0
Unit 2	210	201
Unit 3	210	198
Unit 4	210	200
	840	599
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	205
Unit 4	210	205
Unit 5	210	200
	870	800
Uran		
All Units	852	480
	852	480
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	36
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	71
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	11
PAITHAN	12	10
GHATGHAR	250	0
	611	343
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	1556
RGPPPL III	740	
	1700	1556
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3279
	3143	3279