



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Jan/2010 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.728	3418.326	1) Madhya Pradesh	48.144	1575.167
2) Hydro	7.800	232.964	2) Gujrat	24.662	618.154
3) Gas	12.040	361.896	3) Goa	-6.376	-182.118
Total MSGENCO	144.568	4013.186	4) TAPS 1&2 (Inj.)	5.652	103.550
B) OTHERS			5) Pench (Excess)	-0.023	-11.886
1) RGPPL Gas	38.200	832.064	# Total Cent. Sector	72.059	2102.867
2) Wind Generation	1.937	73.963	F) Other Exchanges		
3) PENCH (MS)	0.023	11.886	1) With TPCL	-5.189	-117.800
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.451	597.021	1) MSEDCL Bilateral	7.197	190.660
2) TPCL Hydro	6.272	145.905	Include PX	1.241	23.575
TOTAL TPCL	27.723	742.926	2) MUMBAI Bilateral	4.955	126.673
3) REL Thermal	12.723	355.904	Include PX	2.845	69.802
D) STATE			3) MUMBAI Schedule	6.385	136.988
1) Thermal (A1+C1+C3)	158.902	4371.251	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	14.095	390.755	1) MSEDCL	251.598	6916.166
3) Gas (A3+B1)	50.240	1193.960	2) TPCL	29.806	789.671
4) Wind (B2)	1.937	73.963	3) REL	15.827	427.230
TOTAL STATE	225.174	6029.929	TOTAL STATE	297.231	8133.067

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5152	5270	5203
MSGENCO Hydro	390	689	226
MSGENCO Gas	473	531	494
MSGENCO Total Generation	6015	6490	5923
Central Sector Receipt	3459	3415	1931
RGPPL	1573	1592	1610
WIND	68	66	130
Exchange with TPCL	-411	-398	8
MSEDCL DEMAND MET	10704	11165	9602
Load Shedding	3664	3941	0
MSEDCL DEMAND (INCL. LS)	14368	15106	9602
TPCL GENERATION	1429	1402	784
REL GENERATION	530	530	531
TPCL+REL DEMAND	2370	2330	1307
STATE DEMAND MET	13074	13495	10909
STATE DEMAND (INCL. LS)	16738	17436	10909
Frequency (Hz)	49.51	49.78	49.78
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4159 MW AT 15.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			61.54 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.45 Hz at 18.03 Hrs	48.89 Hz at 06.25 Hrs	49.64	.49 % 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 28/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.95	47.01	87	76	85
Unit 2	1.77	46.21	78	67	70
Unit 3	0.00	10.30	0	0	0
Unit 4	1.96	41.85	90	56	80
Unit 5	0.00	87.52	0	0	0
Unit 6	3.80	93.78	184	138	160
Unit 7	4.33	80.62	204	152	180
	13.81	407.30			575
Bhusawal					
Unit 1	0.49	26.38	26	14	25
Unit 2	4.15	100.40	185	150	180
Unit 3	4.61	123.72	195	185	195
	9.25	250.51			400
Parli					
Unit 1	0.57	15.04	25	22	23
Unit 2	0.56	15.33	26	22	23
Unit 3	0.00	73.22	0	0	0
Unit 4	4.54	127.45	209	163	200
Unit 5	4.16	112.77	180	160	180
Unit 6	6.67	152.35	357	223	240
	16.51	496.15			666
Chandrapur					
Unit 1	3.41	93.69	147	135	150
Unit 2	3.91	99.44	168	150	160
Unit 3	4.42	115.72	200	158	210
Unit 4	4.51	109.32	198	172	210
Unit 5	10.72	282.13	470	420	450
Unit 6	10.14	277.30	440	400	450
Unit 7	10.14	250.58	448	395	450
	47.25	1228.17			2080
Paras					
Unit 2	1.02	21.92	47	20	46
Unit 3	3.68	109.51	213	0	210
	4.70	131.42			256
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.72	129.31	203	193	201
Unit 3	4.92	130.85	214	190	198
Unit 4	4.95	136.49	213	199	200
	14.60	419.25			599
Nasik					
Unit 1	2.16	53.43	95	86	95
Unit 2	2.23	52.74	100	85	95
Unit 3	4.79	135.19	208	188	205
Unit 4	4.76	130.99	205	188	205
Unit 5	4.67	113.18	204	170	200
	18.61	485.52			800
Uran					
All Units	12.04	361.90	539	462	480
	12.04	361.90			480
Koyna					
Stage 1-2	1.15	46.98	85	35	600
Stage 4	0.00	49.75	0	0	250
Koyna 12&4 Total	1.15	96.72			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.55	20.87	176	0	240
	1.70	117.60			1090
Hydro					
KDPH	0.94	8.92	40	39	36
VTRNA	1.26	12.24	61	0	60
TILLARI	0.37	10.37	60	0	60
BHTGR/VEER	1.80	37.28	75	74	71
BHIRA T.R.	0.31	7.49	81	0	80
RNGR+BHTSA	0.31	8.82	14	12	15
BHANDARDRA	0.00	6.03	0	0	0
ELDARY	0.18	1.12	11	0	11
PAITHAN	0.06	1.47	9	0	10
GHATGHAR	0.88	21.62	125	0	0
	6.10	115.37			343
PENCH (MS)					
Pench (MS)	0.02	11.89	23	0	
	0.02	11.89			
Wind					
MalharPeth	0.04	3.08			
Vankuswadi	0.18	7.85			
ATIT	0.02	1.49			
Kale	0.04	2.34			
Satara	0.06	3.07			
Shirala	0.05	2.55			
K Mahankal	0.07	2.17			
Supa	0.05	1.91			
Vita	0.37	14.91			
Dondaicha	0.65	19.95			
Sakri	0.06	2.60			
Nandurbar	0.11	2.33			
Khadakale	0.16	5.46			
Khaparale	0.08	4.25			
	1.94	73.96			
Dabhol					
RGPP L II	38.20	832.06	1612	1560	1556
RGPP L III	0.00	0.00	0	0	
	38.20	832.06			1556
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	11.74	302.34	510	380	500
Trombay 7A	2.66	77.01	124	95	120
Trombay 7B	1.55	44.05	69	59	60
Trombay 8	5.50	153.93	250	150	250
TATA Hydro	6.27	145.90	481	0	447
	27.72	742.93			1377
REL					
1&2	12.72	355.90	533	526	500
	12.72	355.90			500
Cent Sect					
Share					3279
					3279

MS PG CL	Thermal	124.73	3418.33		5376
	Thml+Gas	136.77	3780.22		5856
	Hydro	7.80	232.96		1433
	Total	144.57	4013.19		7289
State Total		225.17	6029.93		14001

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/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	5096	226	493	5815	1610	148	2632	2030	-44	1	9604	474	10078	1444	11522	49.87
2	5160	231	492	5883	1608	127	2632	2033	-44	7	9658	0	9658	1349	11007	49.76
3	5203	226	494	5923	1610	130	2632	1931	-44	8	9602	0	9602	1307	10909	49.78
4	5191	174	493	5858	1612	124	2626	2154	-44	6	9754	0	9754	1264	11018	49.80
5	5214	161	495	5870	1608	144	2626	2411	-44	9	10042	316	10358	1246	11604	49.58
6	5231	197	494	5922	1601	130	2727	2547	-44	7	10230	1528	11758	1327	13085	49.34
7	5233	232	493	5958	1607	123	3042	3030	44	95	10813	2516	13329	1471	14800	49.39
8	5267	243	496	6006	1609	132	3042	2700	44	93	10540	3681	14221	1640	15861	49.45
9	5256	261	494	6011	1609	105	3035	2532	44	95	10352	3815	14167	1804	15971	49.64
10	5273	312	491	6076	1598	82	3375	2946	-252	-196	10506	3828	14334	2148	16482	49.61
11	5282	390	476	6148	1583	74	3389	3360	-409	-357	10808	3525	14333	2318	16651	49.55
12	5152	390	473	6015	1573	68	3408	3459	-465	-411	10704	3664	14368	2370	16738	49.51
13	5148	248	468	5864	1560	49	3402	3734	-516	-476	10731	3655	14386	2328	16714	49.39
14	5115	303	462	5880	1562	37	3399	3500	-516	-474	10505	3616	14121	2253	16374	49.57
15	5046	463	479	5988	1562	33	3397	3668	-516	-496	10755	3724	14479	2323	16802	49.67
16	5095	448	509	6052	1566	30	3400	3506	-516	-493	10661	3578	14239	2300	16539	49.67
17	5079	384	510	5973	1571	47	3405	3644	-516	-477	10758	3547	14305	2263	16568	49.67
18	5161	433	528	6122	1577	50	3643	3897	-504	-465	11181	3204	14385	2220	16605	49.63
19	5228	674	532	6434	1583	39	3277	3485	-422	-361	11180	3714	14894	2293	17187	49.64
20	5270	689	531	6490	1592	66	3427	3415	-461	-398	11165	3941	15106	2330	17436	49.78
21	5292	418	524	6234	1589	59	3329	3604	-319	-254	11232	3636	14868	2176	17044	49.60
22	5267	237	539	6043	1600	42	3270	2994	-223	-159	10520	3663	14183	2006	16189	49.80
23	5223	237	538	5998	1604	47	3327	2922	-310	-247	10324	3317	13641	1767	15408	49.68
24	5236	223	536	5995	1606	50	3121	2557	-310	-246	9962	2327	12289	1688	13977	49.92
MUs	124.72	7.80	12.04	144.56	38.20	1.94	75.56	72.06	-6.39	-5.19	251.59	65.27	316.86	45.64	362.49	49.64

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 28/Jan/2010

Position as on 6.30 Hrs of 29/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	28/01/2010	14.44	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
Koradi Unit 5	200	26/01/2010	22:10	29/01/2010	03.36	I.D. Fan Problem.	
Cent_Sect NTPC(V-8)	500	27/01/2010	15:45	28/01/2010	17.13	B.T.L.	
Paras Unit 3	250	28/01/2010	13:33	28/01/2010	16.51	Furnance pressure high.	
Khaparkheda Unit 2	210	29/01/2010	00:09		Continued.	Flame Failure.	29/01/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jan/2010

Position as on 6.30 Hrs of 29/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari -II	28/01/2010	08.02	28/01/2010	17.46	Maintenance work.
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	28/01/2010	12.17	Commissioning of New 400KV CGL Make Breaker
400/220 KV,315 MVA ICT-II at Lonikand	28/01/2010	10.17	28/01/2010	16.18	Replacement of back up relay.
500 MVA 400/220 KV ICT at Jejuri	28/01/2010	10.21	28/01/2010	17.09	Commissioning work of ICT-II.
Padgha - Kharghar	28/01/2010	10.40	28/01/2010	18.49	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	28/01/2010	10.25	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.
Aurangabad - Padegaon - I.	27/01/2010	16:35		Continued.	BKR. Replacement work, ckt on TBC. (15 days)
Kharepatan-Pawas	28/01/2010	09.10	28/01/2010	18.25	Insulator cleaning work.
Lonikand-Theur CKT. II	28/01/2010	09.47	28/01/2010	14.52	Replacement of back up relay.
220/132KV,200 MVA ICT-III at Chinchwad	28/01/2010	09.52	28/01/2010	17.04	Maintenance Work.
Phursungi - Parvati	28/01/2010	11.19	28/01/2010	14.17	Q.M.Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Chinchwad 132 KV Bus.	28/01/2010	09.52	28/01/2010	17.39	Maintenance work.
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 : 220KV			Outage Type FORCED OUTAGE		
100 MVA,220/132 KV ICT @ Bale	28/01/2010	15.14		Continued.	Y Ph C.T oil leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	27/01/2010	18:02	28/01/2010	10.31	H/T for O/V, System constraint.
Bhusawal- Aurangabad	28/01/2010	18.02		Continued.	H/T for O/V,system constraint.
Voltage Level : 220KV			Outage Type TRIPPED		
220/33KV, 25MVA T/F at Gadchandur	26/01/2010	09:50		Continued.	Bulholz trip.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jan/2010

Position as on 6.30 Hrs of 29/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Uran-Kharghar-II	28/01/2010	14.17	28/01/2010	23.30	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
132/33 KV,25 MVA T/F-I at Katol	23/01/2010	10.44		Continued.	Differential protection operated.
BESA-KHAPN	29/01/2010	01.52		Continued.	B Ph.coupling condenser burst.
null					
Voltage Level : 220KV			Outage Type TRIPPED		
Sonkhar 220 KV Bus Section-II	28/01/2010	14.17	28/01/2010	15.03	General trip 86 B.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	70
Unit 3	105	0
Unit 4	105	70
Unit 5	200	60
Unit 6	210	160
Unit 7	210	180
	1040	615
Bhusawal		
Unit 1	58	50
Unit 2	210	180
Unit 3	210	195
	478	425
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	0
Unit 3	210	210
Unit 4	210	210
	840	420
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	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	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	100
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1357
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3397
	3143	3397

	17616	7 of 7	13975
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