



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Jan/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	119.077	2707.560	1) Madhya Pradesh	50.884	1266.472
2) Hydro	7.176	190.940	2) Gujrat	25.991	467.175
3) Gas	11.227	291.891	3) Goa	-6.447	-144.837
Total MSGENCO	137.480	3190.391	4) TAPS 1&2 (Inj.)	3.650	76.923
B) OTHERS			5) Pench (Excess)	-0.591	-9.452
1) RGPPL Gas	37.578	603.703	# Total Cent. Sector	73.487	1656.281
2) Wind Generation	2.555	62.865	F) Other Exchanges		
3) PENCH (MS)	0.591	9.452	1) With TPCL	-5.481	-97.875
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	22.032	468.812	1) MSEDCL Bilateral	7.205	148.702
2) TPCL Hydro	6.201	116.406	Include PX	1.241	17.371
TOTAL TPCL	28.233	585.218	2) MUMBAI Bilateral	4.647	105.914
3) REL Thermal	12.731	279.620	Include PX	2.444	57.755
D) STATE			3) MUMBAI Schedule	6.272	112.489
1) Thermal (A1+C1+C3)	153.840	3455.992	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	13.968	316.798	1) MSEDCL	246.210	5424.817
3) Gas (A3+B1)	48.805	895.594	2) TPCL	30.220	625.567
4) Wind (B2)	2.555	62.865	3) REL	16.224	337.425
TOTAL STATE	219.168	4731.249	TOTAL STATE	292.654	6387.809

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4874	4969	4911
MSGENCO Hydro	392	802	120
MSGENCO Gas	474	472	482
MSGENCO Total Generation	5740	6243	5513
Central Sector Receipt	3474	3390	2251
RGPPL	1595	1595	1628
WIND	137	87	166
Exchange with TPCL	-368	-371	-19
MSEDCL DEMAND MET	10578	10994	9539
Load Shedding	3193	3674	0
MSEDCL DEMAND (INCL. LS)	13771	14668	9539
TPCL GENERATION	1430	1432	771
REL GENERATION	530	530	532
TPCL+REL DEMAND	2328	2333	1322
STATE DEMAND MET	12906	13327	10861
STATE DEMAND (INCL. LS)	16099	17001	10861
Frequency (Hz)	49.68	49.58	49.94
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3881 MW AT 14.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			55.84 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.38 Hz at 18.02 Hrs	49.02 Hz at 12.12 Hrs	49.62	0 % 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 22/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.90	35.26	86	72	80
Unit 2	1.72	35.99	77	68	70
Unit 3	0.00	10.30	0	0	0
Unit 4	1.98	31.10	93	76	75
Unit 5	3.08	75.99	143	115	145
Unit 6	3.72	71.75	163	142	150
Unit 7	4.04	55.47	180	145	175
	16.44	315.86			695
Bhusawal					
Unit 1	1.18	20.09	54	42	50
Unit 2	4.41	81.15	199	164	190
Unit 3	4.54	96.10	195	165	195
	10.14	197.34			435
Parli					
Unit 1	0.57	12.35	26	22	23
Unit 2	0.55	12.03	24	22	23
Unit 3	3.50	65.27	158	129	160
Unit 4	4.66	100.87	212	160	200
Unit 5	4.14	87.83	183	158	180
Unit 6	5.83	116.62	250	235	245
	19.27	394.98			831
Chandrapur					
Unit 1	3.22	73.29	142	112	150
Unit 2	3.76	75.98	168	148	160
Unit 3	4.36	88.80	196	168	200
Unit 4	4.54	82.13	197	175	210
Unit 5	10.12	228.04	440	400	450
Unit 6	9.65	219.86	420	380	450
Unit 7	5.44	216.95	420	0	425
	41.09	985.05			2045
Paras					
Unit 2	0.09	15.57	27	0	0
Unit 3	2.71	84.04	121	101	120
	2.79	99.61			120
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.70	101.08	201	189	190
Unit 3	1.78	101.09	208	0	0
Unit 4	5.01	106.33	214	198	210
	11.49	331.10			400
Nasik					
Unit 1	1.48	41.49	68	55	65
Unit 2	2.17	43.02	97	80	95
Unit 3	4.90	106.02	210	180	205
Unit 4	4.56	103.12	203	170	190
Unit 5	4.75	89.97	205	176	200
	17.86	383.62			755
Uran					
All Units	11.23	291.89	485	448	480
	11.23	291.89			480
Koyna					
Stage 1-2	1.74	38.48	185	30	530
Stage 4	0.12	47.14	76	0	250
Kovna 12&4 Total	1.86	85.62			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.70	18.69	238	0	240
	2.55	104.31			1020
Hydro					
KDPH	0.00	6.63	0	0	0
VTRNA	0.58	6.65	61	0	60
TILLARI	0.37	8.14	60	0	60
BHTGR/VEER	1.61	27.89	67	67	58
BHIRA T.R.	0.40	5.94	82	0	80
RNGR+BHTSA	0.31	6.86	13	13	12
BHANDARDRA	0.00	6.03	0	0	0
ELDARY	0.00	0.71	0	0	0
PAITHAN	0.00	1.14	0	0	10
GHATGHAR	1.36	16.65	125	0	0
	4.62	86.63			280
PENCH (MS)					
Pench (MS)	0.59	9.45	50	0	
	0.59	9.45			
Wind					
MalharPeth	0.13	2.62			
Vankuswadi	0.25	6.60			
ATIT	0.05	1.28			
Kale	0.07	2.06			
Satara	0.11	2.66			
Shirala	0.08	2.23			
K Mahankal	0.05	1.87			
Supa	0.08	1.63			
Vita	0.66	12.38			
Dondaicha	0.63	16.92			
Sakri	0.08	2.26			
Nandurbar	0.06	1.90			
Khadakale	0.13	4.80			
Khaparale	0.18	3.67			
	2.56	62.86			
Dabhol					
RGPP L II	37.58	603.70	1632	1340	1540
RGPP L III	0.00	0.00	0	0	
	37.58	603.70			1540
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	11.94	232.92	510	425	500
Trombay 7A	2.94	60.67	127	118	120
Trombay 7B	1.64	34.77	69	68	60
Trombay 8	5.51	120.77	250	150	250
TATA Hydro	6.20	116.41	481	0	447
	28.23	585.22			1377
REL					
1&2	12.73	279.62	532	529	500
	12.73	279.62			500
Cent Sect					
Share					3142
					3142

MS PG CL	Thermal	119.08	2707.56		5281
	Thml+Gas	130.30	2999.45		5761
	Hydro	7.18	190.94		1300
	Total	137.48	3190.39		7061
State Total		219.17	4731.25		13620

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	5048	110	460	5618	1610	84	2770	2618	-48	-28	9902	0	9902	1491	11393	49.79
2	5057	120	460	5637	1615	133	2770	2522	-48	-26	9881	0	9881	1399	11280	49.96
3	5044	125	457	5626	1630	148	2770	2248	-48	-13	9639	0	9639	1349	10988	50.09
4	4947	120	460	5527	1631	157	2770	2215	-48	-13	9517	0	9517	1326	10843	50.07
5	4911	120	482	5513	1628	166	2770	2369	-48	-19	9657	0	9657	1322	10979	49.94
6	5035	120	484	5639	1630	143	2844	2876	-48	-15	10273	1256	11529	1373	12902	49.81
7	5058	135	485	5678	1632	143	3146	3097	40	61	10611	2237	12848	1498	14346	49.58
8	5063	125	484	5672	1630	162	3144	3099	40	59	10622	2926	13548	1683	15231	49.53
9	5008	162	485	5655	1625	191	3138	3182	40	49	10702	3130	13832	1855	15687	49.58
10	4974	245	482	5701	1600	142	3387	3125	-256	-236	10332	3407	13739	2177	15916	49.46
11	4874	392	474	5740	1595	137	3351	3412	-415	-368	10516	3193	13709	2328	16037	49.68
12	4890	472	458	5820	1530	100	3391	3287	-468	-410	10358	3312	13670	2368	16038	49.37
13	4898	429	450	5777	1340	48	3386	3499	-469	-449	10265	3323	13588	2358	15946	49.33
14	5000	390	450	5840	1341	35	3385	3757	-469	-450	10569	3286	13855	2216	16071	49.47
15	5011	325	448	5784	1344	35	3384	3284	-469	-448	10045	3369	13414	2284	15698	49.44
16	4796	295	449	5540	1485	39	3384	3568	-519	-499	10179	3226	13405	2327	15732	49.51
17	4734	320	450	5504	1565	41	3384	3561	-519	-500	10218	3199	13417	2321	15738	49.43
18	4824	352	464	5640	1580	58	3407	3555	-519	-503	10379	2850	13229	2292	15521	49.57
19	4957	777	471	6205	1585	68	3130	3485	-421	-399	10994	3385	14379	2359	16738	49.55
20	4969	802	472	6243	1595	87	3162	3372	-421	-371	10976	3674	14650	2333	16983	49.58
21	4977	630	474	6081	1585	103	3075	3230	-302	-239	10810	3422	14232	2201	16433	49.53
22	4996	248	475	5719	1595	118	3084	2785	-227	-169	10098	3450	13548	2052	15600	49.52
23	5013	181	475	5669	1600	114	3131	2731	-313	-249	9915	3067	12982	1824	14806	49.45
24	4993	181	478	5652	1607	103	2981	2610	-313	-246	9752	2109	11861	1709	13570	49.66
MUs	119.08	7.18	11.23	137.48	37.58	2.56	75.14	73.49	-6.27	-5.48	246.21	57.82	304.03	46.44	350.48	49.62

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 22/Jan/2010

Position as on 6.30 Hrs of 23/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.	
Cent_Sect Tarapur 1	80	09/12/2009	09:22		Continued.	Condenser Tube Leakage.	02/02/2010
Paras Unit 2	55	16/01/2010	08.10	22/01/2010	20.22	Due to BFP Junction Box Flashover.	
Khaparkheda Unit 3	210	21/01/2010	09.30	22/01/2010	13.23	Boiler Tube Leakage.	
Cent_Sect NTPC(V-4)	210	21/01/2010	17.20	22/01/2010	19:01	Boiler Tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jan/2010

Position as on 6.30 Hrs of 23/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kolhapur - Amona	23/01/2010	08.20		Continued.	LILo Work @ Mumewadi
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
400/220kv 315MVA ICT-II at Karad.	18/01/2010	10.01	22/01/2010	13.08	Overhauling of R phase unit of ICT-II
400/220KV 105MVA Spare ICT at Nagothane	19/01/2010	09:51	22/01/2010	17.32	PRV Replacement work.
Bus Coupler @ Padgha	22/01/2010	09.00	22/01/2010	17.30	Replacement of Y-Ph CT.
400/220 KV, 500 MVA ICT - II at Jejuri	23/01/2010	11.47	23/01/2010	15.50	Commissioning Activities For Taking Load.
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.
Phursungi - Jejuri	21/01/2010	19.45	23/01/2010	12.15	To Attend Air Leakage.
K'gaon-ONGC	22/01/2010	08.55	22/01/2010	20.15	R.M.Work
Uran-Kharghar-II	22/01/2010	09.48	22/01/2010	19.00	R.M.Work
Bale-Osmanbad	22/01/2010	10.00	22/01/2010	11.00	Line Isolator alignment work.
Ambazari-Amravati	22/01/2010	12.31	22/01/2010	15.23	carrying out signature Test.
Babaleshwar - Nagar - II	23/01/2010	09.00	23/01/2010	16.16	Q.M.Work.
Kharepatan-Pawas	23/01/2010	09.03	23/01/2010	19:20	Replacement of Earth Wire.
Dhule-Chalisgaon	23/01/2010	09.17	23/01/2010	18.01	Stringing Work of 400KV DeepNagar-Waluj D/C Line.
Bhusawal-Chalisgaon-II	23/01/2010	09.17	23/01/2010	18.00	Stringing Work of 400KV Bsl-Waluj.
Borivali-Kalwa	23/01/2010	09.32	23/01/2010	10.52	Isolator Alignment Work.
Chalisgaon-BSL-I	23/01/2010	10.07	23/01/2010	18.00	Stringing Work of 400KV Bsl-Waluj.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Trombay - Tata Tie - II	23/01/2010	02.52	23/01/2010	10.52	H/T For Breaker Problem.
BBLSR-Chalisgaon	23/01/2010	09.26	23/01/2010	18.22	Hand Tripped To Control Loading of Bus @ Chalisgaon.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-New Koyana II	23/01/2010	14.43	23/01/2010	22.00	Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Gangakhed - Kandhar	21/01/2010	14.25	22/01/2010	15:15	Tripped on Dist.Prot.
Harangul - Nilanga	22/01/2010	04.22	22/01/2010	04.35	Tripped on distance protection.
Harangul - Nilanga	23/01/2010	02.45	23/01/2010	03.00	Tripped on Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jan/2010

Position as on 6.30 Hrs of 23/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Kalmeshwar - Katol	23/01/2010	10.44	23/01/2010	10.50	Due To Tripping of 132/33KV 25 MVA T/F.
132/33 KV 25 MVA T/F-I at Kalmeshwar	23/01/2010	10.44		Continued.	Differential Protection Operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	0
Unit 4	105	80
Unit 5	200	130
Unit 6	210	150
Unit 7	210	170
	1040	680
Bhusawal		
Unit 1	58	50
Unit 2	210	190
Unit 3	210	195
	478	435
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	160
Unit 4	210	200
Unit 5	210	180
Unit 6	250	240
	940	826
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	210
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	0
	2340	1620
Paras		
Unit 2	55	46
Unit 3	250	120
	305	166
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	610
Nasik		
Unit 1	120	65
Unit 2	120	95
Unit 3	210	205
Unit 4	210	205
Unit 5	210	200
	870	770
Uran		
All Units	852	460
	852	460
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	58
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	9
GHATGHAR	250	0
	611	279
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	1557
RGPPPL III	740	
	1700	1557
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	3250
	3143	3250

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