



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Jan/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.362	2943.203	1) Madhya Pradesh	55.954	1374.257
2) Hydro	6.159	204.780	2) Gujrat	26.998	521.293
3) Gas	11.548	314.833	3) Goa	-6.523	-157.958
Total MSGENCO	134.069	3462.816	4) TAPS 1&2 (Inj.)	3.649	84.216
B) OTHERS			5) Pench (Excess)	-0.827	-10.879
1) RGPPL Gas	37.980	679.541	# Total Cent. Sector	79.251	1810.929
2) Wind Generation	0.895	65.708	F) Other Exchanges		
3) PENCH (MS)	0.827	10.879	1) With TPCL	-1.079	-102.659
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.760	511.917	1) MSEDCL Bilateral	7.205	163.112
2) TPCL Hydro	2.247	124.486	Include PX	1.241	19.853
TOTAL TPCL	24.007	636.403	2) MUMBAI Bilateral	1.615	111.875
3) REL Thermal	12.718	305.066	Include PX	0.658	60.552
D) STATE			3) MUMBAI Schedule	1.615	118.825
1) Thermal (A1+C1+C3)	150.840	3760.186	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	9.233	340.145	1) MSEDCL	251.943	5927.214
3) Gas (A3+B1)	49.528	994.374	2) TPCL	23.942	677.463
4) Wind (B2)	0.895	65.708	3) REL	13.860	366.942
TOTAL STATE	210.496	5160.413	TOTAL STATE	289.745	6971.619

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4888	4863	4774
MSGENCO Hydro	588	324	105
MSGENCO Gas	483	480	480
MSGENCO Total Generation	5959	5667	5359
Central Sector Receipt	3619	4023	2552
RGPPL	1576	1577	1597
WIND	39	36	46
Exchange with TPCL	-31	-71	-16
MSEDCL DEMAND MET	11216	11286	9538
Load Shedding	3293	3707	0
MSEDCL DEMAND (INCL. LS)	14509	14993	9538
TPCL GENERATION	1177	1315	769
REL GENERATION	531	529	530
TPCL+REL DEMAND	1739	1915	1315
STATE DEMAND MET	12955	13201	10853
STATE DEMAND (INCL. LS)	16248	16908	10853
Frequency (Hz)	49.51	49.89	49.91
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4187 MW At 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			69.71 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.54 Hz at 18.02 Hrs	49 Hz at 09.58 Hrs	49.7	.06 % 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 24/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.98	39.24	88	78	80
Unit 2	1.75	39.49	77	69	70
Unit 3	0.00	10.30	0	0	0
Unit 4	1.44	34.48	86	0	0
Unit 5	2.54	81.29	159	19	25
Unit 6	3.67	78.84	160	145	160
Unit 7	4.04	63.72	178	158	160
	15.43	347.36			495
Bhusawal					
Unit 1	1.19	22.52	55	45	50
Unit 2	4.50	90.32	191	184	190
Unit 3	4.57	105.34	195	185	195
	10.26	218.17			435
Parli					
Unit 1	0.00	12.87	0	0	0
Unit 2	0.53	13.10	24	20	23
Unit 3	3.28	71.82	152	123	145
Unit 4	4.06	109.33	189	152	200
Unit 5	4.22	96.15	178	172	180
Unit 6	5.81	128.26	252	221	240
	17.89	431.53			788
Chandrapur					
Unit 1	3.43	80.11	147	134	140
Unit 2	3.84	83.77	169	151	165
Unit 3	4.41	97.74	194	170	210
Unit 4	4.45	91.29	200	152	205
Unit 5	9.97	248.72	446	322	450
Unit 6	10.08	240.45	450	386	450
Unit 7	0.00	216.95	0	0	0
	36.18	1059.04			1620
Paras					
Unit 2	1.09	17.68	47	42	46
Unit 3	4.45	91.24	218	157	170
	5.53	108.92			216
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.75	110.58	206	188	190
Unit 3	5.04	111.13	214	200	210
Unit 4	5.06	116.47	214	206	210
	14.85	360.78			610
Nasik					
Unit 1	1.71	44.72	96	58	65
Unit 2	0.00	44.91	0	0	0
Unit 3	4.95	115.82	211	204	205
Unit 4	4.74	112.45	203	192	205
Unit 5	4.82	99.51	206	190	200
	16.21	417.40			675
Uran					
All Units	11.55	314.83	485	472	480
	11.55	314.83			480
Koyna					
Stage 1-2	1.62	42.05	235	30	600
Stage 4	0.98	49.01	218	0	250
Koyna 12&4 Total	2.60	91.06			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.00	19.16	0	0	240
	2.60	110.22			1090
Hydro					
KDPH	0.00	6.63	0	0	0
VTRNA	0.52	7.76	61	0	60
TILLARI	0.37	8.87	60	0	60
BHTGR/VEER	1.56	30.94	70	62	59
BHIRA T.R.	0.26	6.52	81	0	80
RNGR+BHTSA	0.31	7.48	13	13	15
BHANDARDRA	0.00	6.03	0	0	0
ELDARY	0.00	0.71	0	0	0
PAITHAN	0.06	1.25	9	0	10
GHATGHAR	0.48	18.36	120	0	0
	3.56	94.56			284
PENCH (MS)					
Pench (MS)	0.83	10.88	54	0	
	0.83	10.88			
Wind					
MalharPeth	0.03	2.75			
Vankuswadi	0.18	7.00			
ATIT	0.02	1.34			
Kale	0.06	2.12			
Satara	0.02	2.77			
Shirala	0.02	2.32			
K Mahankal	0.01	1.92			
Supa	0.02	1.74			
Vita	0.32	13.31			
Dondaicha	0.05	17.37			
Sakri	0.00	2.30			
Nandurbar	0.02	1.97			
Khadakale	0.08	5.00			
Khaparale	0.06	3.79			
	0.90	65.71			
Dabhol					
RGPP L II	37.98	679.54	1601	1554	1557
RGPP L III	0.00	0.00	0	0	
	37.98	679.54			1557
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	11.74	256.24	510	400	500
Trombay 7A	2.87	66.22	127	104	120
Trombay 7B	1.61	37.93	69	62	60
Trombay 8	5.54	131.83	250	150	250
TATA Hydro	2.25	124.49	367	0	447
	24.01	636.40			1377
REL					
1&2	12.72	305.07	532	528	500
	12.72	305.07			500
Cent Sect					
Share					3059
					3059

MS PG CL	Thermal	116.36	2943.20		4839
	Thml+Gas	127.91	3258.04		5319
	Hydro	6.16	204.78		1374
	Total	134.07	3462.82		6693
State Total		210.50	5160.41		13186

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	4821	110	482	5413	1598	42	2851	2672	-48	-28	9697	1279	10976	1478	12454	49.92
2	4784	115	480	5379	1598	40	2851	2552	-48	-11	9558	720	10278	1381	11659	49.95
3	4774	105	480	5359	1597	46	2851	2552	-48	-16	9538	0	9538	1315	10853	49.91
4	4792	120	481	5393	1600	43	2851	2548	-48	-21	9563	679	10242	1295	11537	49.87
5	4713	120	482	5315	1599	43	2836	2771	-48	-25	9753	1158	10911	1299	12210	49.66
6	4728	150	485	5363	1601	36	2884	3110	-48	-24	10139	2248	12387	1355	13742	49.58
7	4731	133	484	5348	1601	34	3191	2870	40	60	9966	2670	12636	1398	14034	49.66
8	4764	118	485	5367	1600	32	3189	3340	40	60	10452	3214	13666	1417	15083	49.53
9	4823	171	484	5478	1601	37	3188	3313	40	59	10541	3512	14053	1467	15520	49.62
10	4859	344	482	5685	1586	42	3276	3346	-52	-32	10681	3575	14256	1643	15899	49.47
11	4888	588	483	5959	1576	39	3269	3619	-52	-31	11216	3293	14509	1739	16248	49.51
12	4840	720	482	6042	1568	29	3406	3425	-96	-81	11036	3416	14452	1761	16213	49.44
13	4861	641	484	5986	1555	32	3463	3470	-96	-81	11015	3454	14469	1703	16172	49.36
14	4890	483	483	5856	1554	31	3460	3423	-96	-80	10837	3428	14265	1645	15910	49.43
15	4931	177	482	5590	1570	33	3506	3839	-96	-79	11006	3538	14544	1589	16133	49.88
16	4944	115	482	5541	1564	32	3483	3676	-96	-81	10732	3385	14117	1567	15684	49.77
17	4962	168	484	5614	1563	32	3356	3696	-96	-78	10827	3326	14153	1564	15717	49.74
18	4899	378	481	5758	1573	26	3371	3716	-96	-79	11044	2946	13990	1583	15573	49.91
19	4848	397	481	5726	1566	29	3193	3881	-98	-70	11186	3469	14655	1788	16443	49.65
20	4863	324	480	5667	1577	36	3222	4023	-98	-71	11286	3707	14993	1915	16908	49.89
21	4868	282	478	5628	1571	41	3059	3819	-98	-71	11042	3395	14437	1880	16317	49.63
22	4897	171	472	5540	1579	39	3064	3462	-98	-70	10583	3417	14000	1823	15823	49.71
23	4914	114	474	5502	1588	49	3128	3116	-184	-161	10094	3233	13327	1673	15000	49.83
24	4966	115	477	5558	1595	52	2873	3012	-93	-68	10149	2301	12450	1526	13976	49.98
MUs	116.36	6.16	11.55	134.07	37.98	0.90	75.82	79.25	-1.62	-1.08	251.94	65.36	317.30	37.80	355.11	49.70

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 24/Jan/2010

Position as on 6.30 Hrs of 25/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
Chandrapur Unit 7	500	22/01/2010	15.02	25/01/2010	05.14	Boiler T/L.	
Nasik Unit 2	125	23/01/2010	21.30	25/01/2010	6:20	Boiler Tube Leakage.	27/01/2010
Parli Unit 1	30	24/01/2010	00.07	25/01/2010	03.37	Boiler Tube Leakage.	
Koradi Unit 4	115	24/01/2010	04.03	24/01/2010	09.18	Turbine Over Speed.	
Chandrapur Unit 7	500	25/01/2010	05.55	25/01/2010	08.12	Generator protection operated.	
Parli Unit 3	210	25/01/2010	08.21	25/01/2010	22.00	Drum Level High	
Parli Unit 3	210	25/01/2010	23:53		Continued.	Abnormal Hunting in governing system	28/01/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Jan/2010

Position as on 6.30 Hrs of 25/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
Nasik-Navsari-I	24/01/2010	09.05	24/01/2010	18.23	Isolator washing
Mudshungi - Chikodi	25/01/2010	11.10	25/01/2010	13.30	Main Bus-III outage at Mudshingi
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.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari -II	24/01/2010	06.47	24/01/2010	07.53	Distance Protection
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-I at Talangade	25/01/2010	10.21	25/01/2010	15.35	maintenance work
Chandrapur-parli - III	25/01/2010	9:45		Continued.	LINE ON TBC,REPLACEMENT OF BUS II,B-PH
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.
Nasik - Ghatghar	22/01/2010	08.30	25/01/2010	15.40	Conductor Replacement Work.
220/33 KV,100 MVA ICT-II At Versova	24/01/2010	07.02	24/01/2010	22:41	NGT Replacement
Kharepatan-Pawas	25/01/2010	09.15	25/01/2010	18.03	Replacement of Earth Wire
Mudshingi-Talangade ckt-I	25/01/2010	11.05	25/01/2010	13.16	Main Bus-III outage at Mudshingi
Mudshini - Talangade - II	25/01/2010	11.05	25/01/2010	13.16	Main bus-III outage at Mudshingi
Mudshingi - Karad - II	25/01/2010	11.10	25/01/2010	13.16	Main Bus-III outage at Mudshingi
Main Bus Section-III at Mudshingi	25/01/2010	11.10	25/01/2010	13.00	Connecting Main Bus side Jumpers of replaced Isolator of Kolhapur-Peth line
Apta-Bombay Dyeing	25/01/2010	12.35	25/01/2010	13.45	To replace safety valve of Breaker at B'dying
Wardha - Wardha Power-II	25/01/2010	12.50	25/01/2010	19.30	SCADA Operational trials and commissioning
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Shahada - Dondaicha	24/01/2010	10.30	25/01/2010	19.10	CT and Breaker replacement work
Parbhani-Jintur	25/01/2010	11.15	25/01/2010	20.00	Relay Retrofitting work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kalwa - Salshet - III	24/01/2010	00.09	24/01/2010	01.40	To Attend Red Hot Spot on R PH Breaker Clamp.
220/132 KV,100 MVA T/F-II @ Malegaon	24/01/2010	08.28	24/01/2010	10.45	Oil Top up
Borivali-Tarapur	24/01/2010	10.11	24/01/2010	11.51	Hot Spot at Borivali end

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Jan/2010

Position as on 6.30 Hrs of 25/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	20/01/2010	18:00	25/01/2010	09.52	H/T, System Constraint.
Bhusawal- Aurangabad	25/01/2010	18.01		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Jejuri-Koyna STG-IV	25/01/2010	13.08	25/01/2010	19.47	Distance Protection
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/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	160
Unit 6	210	150
Unit 7	210	185
	1040	730
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	145
Unit 4	210	200
Unit 5	210	180
Unit 6	250	240
	940	811
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	100
	2340	1730
Paras		
Unit 2	55	40
Unit 3	250	210
	305	250
Khaparkheda		
Unit 1	210	0
Unit 2	210	195
Unit 3	210	210
Unit 4	210	210
	840	615
Nasik		
Unit 1	120	95
Unit 2	120	0
Unit 3	210	205
Unit 4	210	205
Unit 5	210	205
	870	710
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	59
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	284
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	960	1550
RGPL III	740	
	1700	1550
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	3244
	3143	3244