



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Jan/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.442	3067.645	1) Madhya Pradesh	54.597	1428.854
2) Hydro	6.289	211.069	2) Gujrat	24.898	546.191
3) Gas	11.536	326.369	3) Goa	-6.123	-164.081
Total MSGENCO	142.267	3605.083	4) TAPS 1&2 (Inj.)	3.641	87.857
B) OTHERS			5) Pench (Excess)	-0.447	-11.326
1) RGPPL Gas	37.664	717.205	# Total Cent. Sector	76.566	1887.495
2) Wind Generation	1.312	67.020	F) Other Exchanges		
3) PENCH (MS)	0.447	11.326	1) With TPCL	-4.417	-107.076
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.450	533.367	1) MSEDCL Bilateral	7.197	170.309
2) TPCL Hydro	5.997	130.483	Include PX	1.241	21.094
TOTAL TPCL	27.447	663.850	2) MUMBAI Bilateral	4.705	116.580
3) REL Thermal	12.710	317.776	Include PX	2.628	63.180
D) STATE			3) MUMBAI Schedule	5.515	124.340
1) Thermal (A1+C1+C3)	158.602	3918.788	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	12.733	352.878	1) MSEDCL	253.839	6181.053
3) Gas (A3+B1)	49.200	1043.574	2) TPCL	29.006	706.469
4) Wind (B2)	1.312	67.020	3) REL	15.566	382.508
TOTAL STATE	221.847	5382.260	TOTAL STATE	298.411	7270.030

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	5180	5410	4971
MSGENCO Hydro	266	556	124
MSGENCO Gas	485	496	463
MSGENCO Total Generation	5931	6462	5558
Central Sector Receipt	3717	3526	2554
RGPPL	1547	1562	1590
WIND	54	86	38
Exchange with TPCL	-382	-302	3
MSEDCL DEMAND MET	10910	11387	9743
Load Shedding	3787	3958	0
MSEDCL DEMAND (INCL. LS)	14697	15345	9743
TPCL GENERATION	1433	1433	714
REL GENERATION	528	529	530
TPCL+REL DEMAND	2343	2264	1241
STATE DEMAND MET	13253	13651	10984
STATE DEMAND (INCL. LS)	17040	17609	10984
Frequency (Hz)	49.66	49.73	50.05
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4156 MW at 20.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			65.30 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.43 Hz at 18.02 Hrs	49.27 Hz at 22.16 Hrs	49.76	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 25/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.93	41.17	86	73	85
Unit 2	1.67	41.16	75	44	70
Unit 3	0.00	10.30	0	0	0
Unit 4	1.84	36.32	94	51	80
Unit 5	3.62	84.91	158	141	160
Unit 6	3.75	82.59	167	144	150
Unit 7	4.36	68.08	190	175	185
	17.18	364.54			730
Bhusawal					
Unit 1	1.22	23.73	55	43	50
Unit 2	4.49	94.81	195	179	190
Unit 3	4.57	109.90	198	185	195
	10.28	228.45			435
Parli					
Unit 1	0.47	13.34	25	0	23
Unit 2	0.55	13.64	24	22	23
Unit 3	1.39	73.22	151	0	145
Unit 4	4.84	114.17	208	182	200
Unit 5	4.24	100.39	180	169	180
Unit 6	5.82	134.08	251	220	240
	17.32	448.85			811
Chandrapur					
Unit 1	3.46	83.57	148	131	150
Unit 2	3.94	87.71	172	157	160
Unit 3	4.45	102.19	193	154	210
Unit 4	4.64	95.93	201	180	210
Unit 5	9.28	258.00	435	285	450
Unit 6	9.83	250.28	440	334	450
Unit 7	5.51	222.46	435	0	100
	41.11	1100.15			1730
Paras					
Unit 2	1.09	18.76	48	42	40
Unit 3	5.00	96.24	229	116	210
	6.09	115.00			250
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.69	115.27	201	180	195
Unit 3	4.88	116.01	212	186	210
Unit 4	5.07	121.54	216	205	210
	14.64	375.42			615
Nasik					
Unit 1	2.25	46.97	103	84	95
Unit 2	1.36	46.27	90	0	0
Unit 3	4.93	120.75	214	197	205
Unit 4	4.66	117.10	202	175	205
Unit 5	4.64	104.15	206	176	205
	17.83	435.24			710
Uran					
All Units	11.54	326.37	504	462	460
	11.54	326.37			460
Koyna					
Stage 1-2	1.20	43.24	90	35	600
Stage 4	0.17	49.18	169	0	250
Koyna 12&4 Total	1.36	92.43			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.70	19.87	214	0	240
	2.07	112.29			1090
Hydro					
KDPH	0.00	6.63	0	0	0
VTRNA	0.88	8.65	61	0	60
TILLARI	0.36	9.23	60	0	60
BHTGR/VEER	1.42	32.35	59	59	59
BHIRA T.R.	0.21	6.73	81	0	80
RNGR+BHTSA	0.36	7.84	15	15	15
BHANDARDRA	0.00	6.03	0	0	0
ELDARY	0.00	0.71	0	0	0
PAITHAN	0.06	1.30	10	0	10
GHATGHAR	0.93	19.30	125	0	0
	4.22	98.78			284
PENCH (MS)					
Pench (MS)	0.45	11.33	54	0	
	0.45	11.33			
Wind					
MalharPeth	0.10	2.85			
Vankuswadi	0.23	7.23			
ATIT	0.04	1.38			
Kale	0.06	2.18			
Satara	0.08	2.85			
Shirala	0.05	2.37			
K Mahankal	0.02	1.95			
Supa	0.04	1.78			
Vita	0.40	13.72			
Dondaicha	0.13	17.50			
Sakri	0.01	2.32			
Nandurbar	0.02	1.99			
Khadakale	0.05	5.05			
Khaparale	0.07	3.85			
	1.31	67.02			
Dabhol					
RGPP L II	37.66	717.20	1598	1535	1550
RGPP L III	0.00	0.00	0	0	
	37.66	717.20			1550
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	11.29	267.54	510	320	500
Trombay 7A	2.95	69.17	127	112	120
Trombay 7B	1.64	39.57	69	64	60
Trombay 8	5.57	137.40	250	150	250
TATA Hydro	6.00	130.48	481	0	447
	27.45	663.85			1377
REL					
1&2	12.71	317.78	532	527	500
	12.71	317.78			500
Cent Sect					
Share					3244
					3244

MS PG CL	Thermal	124.44	3067.64		5281
	Thml+Gas	135.98	3394.01		5741
	Hydro	6.29	211.07		1374
	Total	142.27	3605.08		7115
State Total		221.85	5382.26		13786

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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	4924	114	464	5502	1585	45	2758	2552	-40	-8	9676	527	10203	1434	11637	50.01
2	4940	114	464	5518	1585	36	2758	2699	-40	2	9840	0	9840	1288	11128	49.96
3	4971	124	463	5558	1590	38	2758	2554	-40	3	9743	0	9743	1241	10984	50.05
4	5003	119	463	5585	1598	39	2758	2553	-40	4	9779	0	9779	1222	11001	50.13
5	5063	124	462	5649	1592	38	2758	2595	-40	-1	9873	567	10440	1196	11636	49.85
6	5115	119	463	5697	1590	38	2796	3128	-40	-1	10452	1584	12036	1306	13342	49.76
7	5077	139	470	5686	1592	48	3105	2548	48	82	9983	3047	13030	1403	14433	49.67
8	5078	129	479	5686	1589	58	3103	3193	48	80	10606	3247	13853	1578	15431	49.63
9	5113	173	485	5771	1587	82	3101	3009	43	79	10528	3719	14247	1755	16002	49.72
10	5105	249	492	5846	1572	108	3394	3310	-206	-166	10670	3967	14637	2089	16726	49.66
11	5195	321	490	6006	1558	81	3538	3823	-365	-322	11146	3591	14737	2272	17009	49.64
12	5180	266	485	5931	1547	54	3581	3717	-419	-382	10910	3787	14697	2343	17040	49.66
13	5285	340	478	6103	1541	41	3380	3766	-428	-381	11123	3656	14779	2275	17054	49.62
14	5293	315	474	6082	1535	38	3367	3578	-443	-395	10891	3641	14532	2219	16751	49.63
15	5273	310	472	6055	1543	31	3371	3484	-443	-399	10741	3736	14477	2217	16694	49.76
16	5323	300	475	6098	1549	21	3349	3502	-468	-422	10758	3555	14313	2245	16558	49.82
17	5361	306	482	6149	1552	25	3492	3577	-457	-415	10898	3541	14439	2244	16683	49.76
18	5337	492	490	6319	1560	27	3648	3821	-456	-413	11324	3180	14504	2228	16732	49.84
19	5389	646	492	6527	1557	69	3238	3296	-320	-268	11234	3800	15034	2227	17261	49.66
20	5410	556	496	6462	1562	86	3328	3526	-343	-302	11387	3958	15345	2264	17609	49.73
21	5343	457	496	6296	1560	85	3214	3361	-223	-155	11201	3641	14842	2109	16951	49.56
22	5325	211	503	6039	1574	83	3218	3028	-223	-153	10625	3667	14292	1977	16269	49.81
23	5259	180	504	5943	1575	80	3203	2936	-309	-243	10291	2262	12553	1786	14339	49.63
24	5079	185	494	5758	1571	61	3100	3010	-309	-241	10159	1871	12030	1656	13686	49.57
MUs	124.44	6.29	11.54	142.27	37.66	1.31	76.32	76.57	-5.51	-4.42	253.84	64.54	318.38	44.57	362.96	49.76

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 25/Jan/2010

Position as on 6.30 Hrs of 26/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.	
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
Bhusawal Unit 2	210	26/01/2010	00:04		Continued.	Boiler Tube Leakage	30/01/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Jan/2010

Position as on 6.30 Hrs of 26/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.	LILLO Work @ Mumewadi
Mudshungi - Chikodi	25/01/2010	11.10	25/01/2010	13.30	Main Bus-III outage at Mudshungi
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-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.
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 : 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
New Koyna - Koyna Stage IV - II	26/01/2010	03.08	26/01/2010	04.35	Over Voltage
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 26/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	0
Unit 4	105	50
Unit 5	200	150
Unit 6	210	150
Unit 7	210	170
	1040	660
Bhusawal		
Unit 1	58	50
Unit 2	210	0
Unit 3	210	195
	478	245
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	260
Unit 6	500	300
Unit 7	500	340
	2340	1630
Paras		
Unit 2	55	40
Unit 3	250	216
	305	256
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	610
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	205
Unit 4	210	205
Unit 5	210	205
	870	805
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	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		
RGPPPL II	960	1550
RGPPPL III	740	
	1700	1550
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	110
Trombay 7B	60	70
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2530
	3143	2530

	17616	12683
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