



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Feb/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Feb/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.772	1976.672	1) Madhya Pradesh	58.504	1015.112
2) Hydro	9.770	120.604	2) Gujrat	15.994	343.178
3) Gas	12.916	192.698	3) Goa	-6.435	-100.179
Total MSGENCO	147.458	2289.974	4) TAPS 1&2 (Inj.)	7.359	110.600
B) OTHERS			5) Pench (Excess)	-0.575	-3.721
1) RGPPL Gas	38.843	522.059	# Total Cent. Sector	74.847	1364.990
2) Wind Generation	2.827	38.853	F) Other Exchanges		
3) PENCH (MS)	0.575	3.721	1) With TPCL	-2.445	-56.991
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	25.036	380.713	1) MSEDCL Bilateral	5.907	94.126
2) TPCL Hydro	4.693	75.035	Include PX	0.000	1.247
TOTAL TPCL	29.729	455.748	2) MUMBAI Bilateral	3.513	63.563
3) REL Thermal	12.758	202.259	Include PX	1.927	39.715
D) STATE			3) MUMBAI Schedule	3.513	68.606
1) Thermal (A1+C1+C3)	162.566	2559.644	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	15.038	199.360	1) MSEDCL	262.105	4162.606
3) Gas (A3+B1)	51.759	714.757	2) TPCL	29.332	466.278
4) Wind (B2)	2.827	38.853	3) REL	15.598	248.610
TOTAL STATE	232.190	3512.614	TOTAL STATE	307.035	4877.494

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	5244	5211	4964
MSGENCO Hydro	612	772	146
MSGENCO Gas	534	577	524
MSGENCO Total Generation	6390	6560	5634
Central Sector Receipt	3249	3563	2591
RGPPL	1615	1620	1630
WIND	37	188	161
Exchange with TPCL	-207	-206	11
MSEDCL DEMAND MET	11125	11745	10027
Load Shedding	3409	3567	0
MSEDCL DEMAND (INCL. LS)	14534	15312	10027
TPCL GENERATION	1617	1550	744
REL GENERATION	531	529	532
TPCL+REL DEMAND	2355	2285	1265
STATE DEMAND MET	13480	14030	11292
STATE DEMAND (INCL. LS)	16889	17597	11292
Frequency (Hz)	49.78	49.97	49.96
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3544 MW At 21.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			54.70 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.37 Hz at 18.03 Hrs	49.29 Hz at 10.16 Hrs	49.87	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 16/Feb/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.72	30.10	86	47	75
Unit 2	1.60	23.38	71	60	65
Unit 3	0.00	0.00	0	0	0
Unit 4	1.94	20.01	91	63	70
Unit 5	3.72	56.80	168	136	150
Unit 6	3.86	60.74	181	142	160
Unit 7	4.59	69.87	206	164	175
	17.43	260.90			695
Bhusawal					
Unit 1	1.20	17.87	50	50	50
Unit 2	4.57	72.30	198	180	195
Unit 3	4.70	73.09	200	190	195
	10.47	163.26			440
Parli					
Unit 1	0.55	9.01	26	20	23
Unit 2	0.56	8.67	24	21	23
Unit 3	3.62	59.22	166	135	170
Unit 4	4.24	67.36	203	137	200
Unit 5	3.66	8.53	192	0	180
Unit 6	5.91	95.80	250	240	250
	18.53	248.59			846
Chandrapur					
Unit 1	3.14	55.12	144	103	150
Unit 2	3.28	58.36	144	120	160
Unit 3	3.77	66.26	193	123	210
Unit 4	4.26	72.18	192	145	210
Unit 5	10.28	160.26	445	403	450
Unit 6	9.01	144.64	404	350	450
Unit 7	10.12	163.63	441	390	450
	43.85	720.44			2080
Paras					
Unit 2	0.79	16.86	45	0	46
Unit 3	0.24	66.95	137	0	200
	1.03	83.82			246
Khaparkheda					
Unit 1	4.82	23.72	215	180	190
Unit 2	4.54	72.24	194	184	190
Unit 3	5.14	78.61	215	214	210
Unit 4	0.00	62.23	0	0	0
	14.50	236.79			590
Nasik					
Unit 1	2.19	30.46	98	64	95
Unit 2	2.22	26.29	100	86	95
Unit 3	4.90	64.23	210	198	205
Unit 4	4.76	65.49	200	193	205
Unit 5	4.89	76.40	208	197	200
	18.96	262.87			800
Uran					
All Units	12.92	192.70	577	520	520
	12.92	192.70			520
Koyna					
Stage 1-2	2.58	23.46	330	25	440
Stage 4	2.64	16.13	281	0	250
Kovna 12&4 Total	5.22	39.59			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.76	8.38	160	0	240
	5.98	47.97			930
Hydro					
KDPH	0.00	4.08	0	0	0
VTRNA	0.00	3.64	0	0	0
TILLARI	0.38	5.81	60	0	60
BHTGR/VEER	1.99	28.62	89	70	80
BHIRA T.R.	0.19	3.96	59	0	80
RNGR+BHTSA	0.36	4.76	16	15	14
BHANDARDRA	0.76	6.46	33	31	32
ELDARY	0.00	1.27	0	0	0
PAITHAN	0.00	0.81	0	0	10
GHATGHAR	0.11	13.22	100	0	0
	3.79	72.63			276
PENCH (MS)					
Pench (MS)	0.58	3.72	51	0	
	0.58	3.72			
Wind					
MalharPeth	0.10	1.30			
Vankuswadi	0.27	3.74			
ATIT	0.07	1.44			
Kale	0.11	1.10			
Satara	0.12	1.72			
Shirala	0.13	1.24			
K Mahankal	0.15	0.57			
Supa	0.09	0.93			
Vita	0.52	6.47			
Dondaicha	0.65	12.66			
Sakri	0.15	2.08			
Nandurbar	0.09	1.92			
Khadakale	0.30	2.34			
Khaparale	0.08	1.35			
	2.83	38.85			
Dabhol					
RGPP L II	38.84	522.06	1631	1598	1560
RGPP L III		0.00			
	38.84	522.06			1560
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.03	84.25	440	210	500
Trombay 6	6.47	148.92	470	150	500
Trombay 7A	2.77	39.29	126	85	120
Trombay 7B	1.57	23.74	68	56	60
Trombay 8	5.20	84.52	250	150	250
TATA Hydro	4.69	75.04	481	0	447
	29.73	455.75			1877
REL					
1&2	12.76	202.26	533	529	500
	12.76	202.26			500
Cent Sect					
Share					3221
					3221

MS PG CL	Thermal	124.77	1976.67		5697
	Thml+Gas	137.69	2169.37		6217
	Hydro	9.77	120.60		1206
	Total	147.46	2289.97		7423
State Total		232.19	3512.61		14581

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/Feb/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	5191	151	520	5862	1623	119	2703	2848	-38	9	10461	0	10461	1404	11865	49.90
2	4946	146	526	5618	1625	151	2703	2771	-38	13	10178	0	10178	1302	11480	49.86
3	4964	146	524	5634	1630	161	2703	2591	-38	11	10027	0	10027	1265	11292	49.96
4	5015	162	523	5700	1631	153	2703	2578	-38	12	10074	0	10074	1235	11309	49.99
5	5098	160	520	5778	1631	136	2703	2851	-38	4	10400	0	10400	1232	11632	49.97
6	5198	161	521	5880	1626	140	2847	2920	-38	12	10578	686	11264	1254	12518	49.83
7	5292	176	520	5988	1625	131	3067	2952	52	98	10821	1678	12499	1472	13971	49.74
8	5385	171	525	6081	1631	116	3064	3096	52	96	11046	2600	13646	1641	15287	49.84
9	5381	249	577	6207	1629	82	3062	3100	47	81	11124	2524	13648	1795	15443	49.78
10	5349	431	577	6357	1620	67	3302	3300	-192	-131	11238	2598	13836	2083	15919	49.71
11	5352	541	577	6470	1614	43	3295	3342	-192	-132	11375	2843	14218	2241	16459	49.76
12	5244	612	534	6390	1615	37	3342	3249	-246	-207	11125	3409	14534	2355	16889	49.78
13	5260	564	533	6357	1606	36	3286	3171	-246	-222	10990	3316	14306	2315	16621	49.71
14	5261	544	530	6335	1612	40	3332	3279	-246	-224	11084	3264	14348	2204	16552	49.93
15	5235	541	531	6307	1600	74	3341	3103	-246	-221	10888	3470	14358	2235	16593	49.80
16	5198	551	530	6279	1598	102	3342	3204	-246	-216	10992	3160	14152	2281	16433	49.73
17	5125	600	532	6257	1604	121	3170	3252	-246	-212	11024	2987	14011	2265	16276	49.85
18	5149	584	533	6266	1611	161	3171	3521	-246	-209	11350	2583	13933	2192	16125	49.90
19	5141	668	537	6346	1617	162	3091	3521	-249	-209	11470	3203	14673	2242	16915	49.96
20	5211	772	577	6560	1620	188	3223	3563	-249	-206	11745	3567	15312	2285	17597	49.97
21	5231	806	577	6614	1608	179	3065	3364	-202	-143	11673	3386	15059	2186	17245	49.93
22	5202	625	530	6357	1625	150	3065	2988	-202	-140	11031	3339	14370	2020	16390	50.06
23	5200	257	531	5988	1619	141	3096	3279	-235	-179	10899	2963	13862	1774	15636	49.87
24	5144	152	531	5827	1623	140	2999	3004	-191	-130	10515	1890	12405	1654	14059	49.97
MUs	124.77	9.77	12.92	147.46	38.84	2.83	73.68	74.85	-3.51	-2.44	262.11	53.47	315.57	44.93	360.51	49.87

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 16/Feb/2010

Position as on 6.30 Hrs of 17/Feb/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
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
Koyna Unit 7	80	10/02/2010	08.10		Continued.	Pressure Shaft work(For 15 Days)	25/02/2010
Koyna Unit 8	80	10/02/2010	08.25		Continued.	Needle valve work (For 15 Days)	25/02/2010
Paras Unit 3	250	16/02/2010	02.35		Continued.	AOH.	05/03/2010
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	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	W/Dn.	
Khaparkheda Unit 4	210	14/02/2010	21.27	17/02/2010	06.50	Turbine Vibration	
Parli Unit 5	210	16/02/2010	00.45	16/02/2010	04.10	Drum level low.	
Paras Unit 2	55	16/02/2010	16.38	16/02/2010	20.25	Replacement of Excitor Brush	
Nasik Unit 1	125	17/02/2010	22.30		Continued.	Boiler Tube Leakage	20/02/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Feb/2010

Position as on 6.30 Hrs of 17/Feb/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-S'Sarovar I	30/01/2010	16.23		Continued.	Hand Tripped For Over Voltage.
Akola - Wardha - II	05/02/2010	09.22	16/02/2010	11.01	H/T to control Akola Bus Voltage.
Wardha - Akola - I	16/02/2010	11.01		Continued.	To control Voltage at Akola
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Aurangabad - I	06/02/2010	10.15		Continued.	R Ph.of breaker caught fire Bus Bar Protection Operated.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Auxiliary Bus at Khadka	16/02/2010	10.50	16/02/2010	14.00	For fixing Beam for 400KV Bay extension
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132KV 100MVA ICT-III AT PARLY-II	08/02/2010	13.03	17/02/2010	18.41	Replacement of HV side Breaker
220 KV Jejuri Bus. I	11/02/2010	13.30		Continued.	Outage.
Baramati 220KV Bay at Jejuri	15/02/2010	13.00		Continued.	Repl.of 21A Isolator(Ckt on TBC)
Vita - Pandharpur	16/02/2010	05.32	17/02/2010	19.10	Erection of New Tower
Vita - Karkambh	16/02/2010	05.32	17/02/2010	21.42	Erection of New Tower
Chandrapur-Gadchandur	16/02/2010	08.32	16/02/2010	16.56	CRM,Tan Delta of breaker and CTs
220/100,50 MVA ICT-3 at K'gaon	16/02/2010	10.25	16/02/2010	18.15	PRV replacement work
220/100KV,125MVA ICT-III at Kalwa	16/02/2010	11.09	16/02/2010	18.10	Maintenance work
Hinganghat-Bhugaon	16/02/2010	11.12	16/02/2010	17.44	Taking Carrier Aided A/R Scheme in Ckt.
Main Bus at Vita	16/02/2010	11.40	16/02/2010	16.45	Q.M.Work
Pedambe-Newkoyna	17/02/2010	08.05	17/02/2010	19.09	Stringing work
New Koyna - Pawas	17/02/2010	08.46	17/02/2010	18.42	Stringing work
Kanhan - Bhandara - I	17/02/2010	10.45	17/02/2010	13.45	Q.M.Work
Lamboti-Bale-II	17/02/2010	15.02	17/02/2010	17.34	Relay Testing work
Khaparkheda-Kawlewada-II	17/02/2010	15.07	17/02/2010	17.31	Replacement of E/W
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Chalisgaon - Manmad - I	12/02/2010	09.30		Continued.	Breaker replacement(ckt on TBC)
Bhugaon - Deoli	17/02/2010	10.40	17/02/2010	17.50	CT replacement work
Main Bus-II at Ambazari	17/02/2010	13.55	17/02/2010	15.08	Phasing out of 200MVA ICT(New)
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon-Roha-II	16/02/2010	16.34	16/02/2010	19.20	Relay Testing Work
Kalwa-Salshet ckt-II	17/02/2010	09.21	17/02/2010	17.30	Testing work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Badnera - Rly TSS - II	16/02/2010	12.34	17/02/2010	11.36	To attend Oil Leakage of MCB (ckt on TBC)
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Harangul - Nilanga	16/02/2010	18.50	17/02/2010	16.50	Ckt on TBC due to MCB closing prob.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	15/02/2010	12.07		Continued.	H/T for O/v.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Feb/2010

Position as on 6.30 Hrs of 17/Feb/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Phursungi - Theur	17/02/2010	13.23	17/02/2010	19.30	To control Lonikand ICT loading
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	16/02/2010	11.22		Continued.	To control Chikhali ICT Loading
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha - Seoni	16/02/2010	18.30	16/02/2010	19.54	Tripped
Voltage Level : 220KV			Outage Type TRIPPED		
220/33KV, 25MVA T/F at Gadchandur	26/01/2010	09:50		Continued.	Buccholtz Trip.
Lamboti-Bale-I	15/02/2010	22.53	16/02/2010	19.46	Trip Y-B Ph.C.T.Burst at Bale
Usmanabad-Barshi	16/02/2010	12.20	16/02/2010	12.58	Backup protection operated O/C
Mudshingi-Wathar	16/02/2010	15.47	16/02/2010	16.30	Tripped on Backup protection
Mudshingi - Karad - IV	16/02/2010	15.47	16/02/2010	16.24	Auto Recloser relay operated
Mudsingi-Karad II	16/02/2010	15.47	16/02/2010	16.22	CB Lock out
Bhugaon-Pusad	16/02/2010	17.53	17/02/2010	13.21	Distance protection
Hinjawadi-I - Hinjawadi-II	17/02/2010	12.49	17/02/2010	15.24	Distance Protection
K'gaon-Lonand	17/02/2010	13.15	17/02/2010	13.43	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.
Girwali - Kej	16/02/2010	02.26	16/02/2010	11.51	Y phase Jumper opened
Bhandara - Madgi -I	17/02/2010	21.38	17/02/2010	21.53	Distance protection
Bhandara-Madgi CKT.II	17/02/2010	21.38	17/02/2010	21.54	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Feb/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	0
Unit 4	105	55
Unit 5	200	150
Unit 6	210	150
Unit 7	210	180
	1040	675
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	195
	478	440
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	160
Unit 4	210	200
Unit 5	210	180
Unit 6	250	250
	940	836
Chandrapur		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	160
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2010
Paras		
Unit 2	55	40
Unit 3	250	0
	305	40
Khaparkheda		
Unit 1	210	205
Unit 2	210	190
Unit 3	210	210
Unit 4	210	0
	840	605
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	190
Unit 4	210	210
Unit 5	210	200
	870	800
Uran		
All Units	852	530
	852	530
Koyna		
Stage 1-2	600	440
Stage 4	1000	250
Stage 3	320	240
	1920	930
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	89
BHIRA T.R.	80	44
RNGR+BHTSA	20	15
BHANDARDRA	45	32
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	240
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	1630
RGPPPL III	740	0
	1700	1630
Tata		
Trombay 4	150	0
Trombay 5	500	450
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1827
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3183
	3143	3183