



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Feb/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Feb/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.311	1871.147	1) Madhya Pradesh	61.479	744.754
2) Hydro	15.096	388.780	2) Gujrat	28.493	427.419
3) Gas	11.906	188.114	3) Goa	-6.349	-92.157
Total MSGENCO	154.313	2448.041	4) TAPS 1&2 (Inj.)	7.770	116.086
B) OTHERS			5) Pench (Excess)	-0.219	-4.112
1) RGPPL Gas	29.270	437.985	# Total Cent. Sector	91.174	1191.990
2) Wind Generation	6.270	39.251	F) Other Exchanges		
3) CPP	26.793	389.217	1) With TPCL (Excess)	-6.006	-69.773
4) PENCH (MS)	0.219	4.112	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	18.582	266.284
1) TPCL Thermal	25.150	372.585	Include PX	0.000	0.000
2) TPCL Hydro	3.867	57.346	2) MUMBAI Bilateral	6.443	76.071
TOTAL TPCL	29.017	429.931	Include PX	-0.225	-11.220
3) REL Thermal	12.644	190.206	3) MUMBAI Schedule	6.443	76.071
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	165.105	2433.938	1) MSEDCL	302.033	4440.823
2) Hydro (A2+B3+C2)	19.182	450.238	2) TPCL	32.293	460.784
3) Gas (A3+B1)	41.176	626.099	3) REL	15.471	229.223
4) Wind (B2)	6.270	39.251	TOTAL STATE	349.797	5130.830
5) CPP (B3)	26.793	389.217			
TOTAL STATE	258.526	3938.743			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5251	5417	5222
MSGENCO Hydro	1104	889	139
MSGENCO Gas	490	490	503
MSGENCO Total Generation	6845	6796	5864
Central Sector Receipt	4338	3419	3132
RGPPL	1235	1235	1211
WIND	42	518	245
CPP	1103	1136	1029
Exchange with Mumbai	-387	-448	-101
MSEDCL DEMAND MET	13176	12706	11380
Load Shedding (LS)	691	156	0
MSEDCL DEMAND (INCL. LS)	13867	12862	11380
TPCL GENERATION	1587	1458	778
REL GENERATION	528	526	530
TPCL+REL DEMAND	2502	2432	1409
STATE DEMAND MET	15678	15138	12789
Load Management (LM)	2030	3563	0
Total Load Relief (LS+LM)	2721	3719	0
UNRESTRICTED STATE DEMAND	18399	18857	12789
Frequency (Hz)	49.97	49.88	50.25

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.57 Hz at 03.03 Hrs	49.47 Hz at 18.37 Hrs	50.03	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 15/Feb/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	4.00	57.97	177	159	170
Unit 6	3.80	27.34	173	130	155
Unit 7	4.47	52.84	200	170	200
	12.27	138.15			525
Bhusawal					
Unit 2	3.73	59.44	180	135	150
Unit 3	0.00	42.05	0	0	0
Unit 4			0	0	
	3.73	101.50			150
Parli					
Unit 3	0.00	53.89	0	0	0
Unit 4	3.66	56.41	163	140	165
Unit 5	4.47	49.59	200	172	185
Unit 6	5.49	80.35	255	196	225
Unit 7	5.44	79.72	238	196	220
	19.05	319.96			795
Chandrapur					
Unit 1	3.80	54.87	170	150	160
Unit 2	3.80	56.38	172	146	160
Unit 3	4.58	52.86	204	166	200
Unit 4	3.78	62.10	191	115	120
Unit 5	11.58	171.95	495	465	490
Unit 6	11.23	160.61	483	445	475
Unit 7	10.79	166.66	480	390	480
	49.57	725.43			2085
Paras					
Unit 3	5.36	60.74	247	188	182
Unit 4	5.60	70.00	249	219	207
	10.96	130.74			389
Khaparkheda					
Unit 1	4.90	72.76	210	195	205
Unit 2	4.67	60.34	200	183	200
Unit 3	4.96	73.08	218	192	210
Unit 4	1.07	1.07	107	0	0
Unit 5		0.00	0	0	
	15.61	207.25			615
Nasik					
Unit 1	2.05	29.93	91	82	95
Unit 2	2.10	30.83	92	84	95
Unit 3	4.14	63.86	180	160	180
Unit 4	4.26	66.79	205	150	180
Unit 5	3.56	56.71	173	122	160
	16.12	248.12			710
Uran					
All Units	11.91	188.11	505	482	470
	11.91	188.11			470
Dabhol					
RGPPL	29.27	437.98	1239	1162	1200
	29.27	437.98			1200
Koyna					
Stage 1-2	2.62	77.26	330	35	600
Stage 4	5.45	182.49	658	0	250
Stage 3	1.34	54.76	160	0	320
	9.40	314.50			1170
Kovna 12&4 Total	8.07	259.75			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.45	6.68	19	18	18
VTRNA	0.51	0.51	61	0	0
TILLARI	0.44	6.92	60	0	60
BHTGR/VEER	0.53	6.26	22	22	15
BHIRA T.R.	0.16	3.50	78	0	80
RNGR+BHTSA	0.38	5.37	16	16	14
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.42	4.02	23	14	0
SMLHY PTN	0.89	12.36	44	34	35
GHATGHAR	1.91	28.66	250	0	0
	5.69	74.28			222
PENCH (MS)					
Pench (MS)	0.22	4.11	50	0	
	0.22	4.11			
Wind					
MalharPeth	0.20	1.52			
Vankuswadi	0.33	3.83			
ATIT	0.12	0.73			
Kale	0.14	1.40			
Satara	0.22	3.61			
Shirala	0.15	1.39			
K Mahankal	0.11	1.39			
Supa	0.18	1.04			
Vita	0.95	8.41			
Dondaicha	2.67	9.37			
Nandurbar	0.39	1.16			
Khandke	0.14	2.63			
Khaparale	0.29	1.19			
	5.88	37.68			
CPP					
JSW JAIGAD	13.48	66.86	614	496	275
WARDHA	6.62	34.99	327	228	316
Other CPPs	6.70	287.36			
	26.79	389.22			591
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.32	160.55	490	275	500
Trombay 6	4.73	63.98	350	150	500
Trombay 7A	3.03	43.70	130	124	120
Trombay 7B	1.63	23.66	69	67	60
Trombay 8	5.44	80.70	250	150	250
TATA Hydro	3.87	57.35	434	0	447
	29.02	429.93			1877
REL					
1&2	12.64	190.21	530	511	500
	12.64	190.21			500
Cent Sect					
Share					3546
					3546

MS PG CL	Thermal	127.31	1871.15			5269
	Thml+Gas	139.22	2059.26			5739
	Hydro	15.10	388.78			1392
	Total	154.31	2448.04			7131
State Total		258.53	3938.74			14845

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Feb/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	5225	145	500	5870	1225	192	1040	3022	3186	-170	-184	11329	0	11329	1512	12841	50.00
2	5222	139	503	5864	1211	245	1029	2974	3132	-122	-101	11380	0	11380	1409	12789	50.25
3	5200	150	504	5854	1205	210	1038	2934	3463	-72	-46	11724	0	11724	1347	13071	50.43
4	5206	149	503	5858	1202	206	1029	2937	3838	-72	-29	12104	0	12104	1331	13435	50.47
5	5168	146	505	5819	1209	238	1038	2945	4108	-72	-38	12374	411	12389	1337	14122	50.20
6	5226	280	505	6011	1203	238	1083	2907	4028	-40	-52	12511	1847	12579	1404	15762	50.02
7	5231	363	505	6099	1222	239	1209	3054	3992	29	16	12777	2058	12938	1580	16415	49.95
8	5245	685	505	6435	1238	78	1205	3144	4247	-65	-80	13123	2282	13506	1704	17109	49.94
9	5252	1132	505	6889	1239	41	1200	3308	4101	-240	-249	13248	2619	13968	1942	17809	49.94
10	5195	1132	503	6830	1238	29	1211	3500	4320	-322	-312	13329	2630	14060	2243	18202	50.04
11	5145	1116	492	6753	1238	40	1213	3604	4130	-381	-378	12996	2691	13767	2454	18141	50.01
12	5251	1104	490	6845	1235	42	1103	3607	4338	-381	-387	13176	2721	13867	2502	18399	49.97
13	5309	1167	482	6958	1234	64	1139	3535	4135	-381	-366	13164	2659	13793	2477	18300	49.97
14	5416	833	486	6735	1234	104	1215	3489	4087	-331	-318	13057	2574	13603	2342	17973	50.07
15	5378	763	486	6627	1226	162	1175	3480	3880	-356	-338	12732	2661	13346	2354	17747	49.77
16	5408	886	486	6780	1232	244	1155	3375	4024	-356	-343	13092	2719	13764	2345	18156	49.91
17	5303	806	484	6593	1234	308	1132	3375	4158	-356	-336	13089	2613	13686	2354	18056	50.01
18	5386	1127	490	7003	1232	429	1127	3360	3565	-331	-315	13041	2567	13654	2284	17892	49.83
19	5364	976	496	6836	1234	561	1132	3326	3506	-435	-305	12979	3371	13272	2268	18618	49.83
20	5417	889	490	6796	1235	518	1136	3489	3419	-483	-448	12706	3719	12862	2432	18857	49.88
21	5412	464	492	6368	1232	578	1115	3438	3487	-429	-407	12420	3602	12459	2300	18322	49.98
22	5481	222	497	6200	1177	565	1046	3414	3355	-405	-381	12012	3567	12016	2115	17694	50.06
23	5460	205	497	6162	1173	463	1005	3254	3340	-350	-325	11835	1745	11835	1898	15478	50.10
24	5411	217	500	6128	1162	476	1018	3101	3335	-320	-284	11835	0	11835	1733	13568	50.16
MUs	127.31	15.10	11.91	154.31	29.27	6.27	26.79	78.57	91.17	-6.44	-6.01	302.03	49.06	309.74	47.67	398.76	50.03

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 15/Feb/2011

Position as on 6.30 Hrs of 16/Feb/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Khaparkheda Unit 4	210	03/01/2011	15.26	15/02/2011	12.27	Capital Overhaul.	
Dabhol 3B	230	04/01/2011	16:44		Continued.	Rehabilitation work.	05/03/2011
Dabhol 3A	230	29/01/2011	17.35		Continued.	Heavy leakage in CW Duct	28/02/2011
Dabhol 3X	290	29/01/2011	17.35		Continued.	Hand Tripped	28/02/2011
Uran Unit 6	108	05/02/2011	11.28		Continued.	Stator Earth Fault	02/03/2011
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Bhusawal Unit 3	210	10/02/2011	18.30		Continued.	Feeder gear control problem.	
Parli Unit 3	210	14/02/2011	03.00		Continued.	Boiler Tube Leakage	17/02/2011
Cent_Sect NTPC(V-2)	210	15/02/2011	11.50		Continued.	Boiler Tube Leakage.	18/02/2011

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Feb/2011

Position as on 6.30 Hrs of 16/Feb/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	12/02/2011	23.50		Continued.	Over Voltage
Kolhapur - Mapusa - I	14/02/2011	22.20	15/02/2011	08.10	Over Voltage
Kolhapur - Mapusa - II	15/02/2011	23.57		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Wardha - Deoli (PGCIL)	10/02/2011	15.18		Continued.	220KV Wardha-Yavatmal line reoriented as 220KV Deoli-Yavatmal Ckt via 220KV Aux.Bus of 220KV Wardha S/S.
Mudsungi-Amona	15/02/2011	13.35	15/02/2011	14.20	Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Bus - II @ Koradi	14/02/2011	09.16		Continued.	Insulator String replacement
Own Breaker of Lonikand-Kalwa line	14/02/2011	12.05	15/02/2011	19.22	O/H of own Breaker at Lonikand,Line on TBC
400/220 KV 300 MVA ICT-I @ Koradi	14/02/2011	17.50	15/02/2011	18.25	Main Bus-II outage (ICT HV side is on TBC)
Karad - Kolhapur - II	15/02/2011	09.20		Continued.	Replacement of C V T.
400/220 KV 315 MVA ICT-II @ Kharghar	15/02/2011	09.40	15/02/2011	19.56	Relay Testing & R.M.Work.
Main Bus - I @ Kolhapur	15/02/2011	10.06		Continued.	Alignment of Isolators.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(6 MonthOutage.)
220/100 KV125 MVA ICT-III @Trombay	06/01/2011	12.03		Continued.	Augmentation by New 200 MVA ICT up to 20.03.2011.
220/132KV 50MVA ICT-I @Peth	04/02/2011	08.45		Continued.	Augmentation by 100MVA ICT(upto 14/02/2011).
Borivali-Mulund	06/02/2011	22.17		Continued.	From Borivali end for strengthing Mumbai system up to 28.02.11
Kalwa - Borivali	06/02/2011	22.51		Continued.	From Kalwa end strengthing Mumbai system up to 28.02.11
220/110 KV 100 MVA T/F - II @ Mudshingi	07/02/2011	15.12		Continued.	Augmentation by 200 MVA.up to 15/03/11
220/132KV 100 MVA ICT-I @ Khadka	10/02/2011	10.14		Continued.	Replacement of 100MVA by200 MVA ICT(upto 06.03.11)
220/33 KV 25 MVA T/F I Hingoli	10/02/2011	18.40		Continued.	Kept on humming. at 19.24 Hrs.
220/33KV 25 MVA T/F II at Hingoli	10/02/2011	18.40		Continued.	Kept on humming. at 19.28 Hrs.
220/132KV 100MVA ICT II at Hingoli	10/02/2011	18.40		Continued.	Kept on humming,HV side at 19.15 Hrs.
220/132KV 100MVA ICT I at Hingoli	10/02/2011	18.40		Continued.	Kept on humming,HV side at 19.24 Hrs.
Tifil-Trombay	13/02/2011	09.50		Continued.	Stringing og new Ckt.between loc.no.22-39 on newly erected towers
Dahanu-Ghodbunder	15/02/2011	08.00	15/02/2011	10.20	Damaged Conductor Work.
220/100KV 100MVA T/F @ K'gaon	15/02/2011	08.02	15/02/2011	19.40	R.M.Work.
Karad - Miraj	15/02/2011	08.17	15/02/2011	18.54	R.M.Work.
Main Bus @ Miraj	15/02/2011	08.30	15/02/2011	17.50	Q.M.Work & Hot Spot Attending.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Feb/2011

Position as on 6.30 Hrs of 16/Feb/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Main Bus @ Usmanabad	15/02/2011	09.16	15/02/2011	18.30	Tand,LCM SFRA Test.
Mudshingi - Peth	15/02/2011	10.19	15/02/2011	14.15	Q.M.Work.
Uran - HOCL	15/02/2011	10.20	15/02/2011	18.28	Replacement of Insulator.
220/100 KV 200 MVA ICT-IV @ Apta	15/02/2011	10.20	15/02/2011	16.30	R M Work.
Main Bus @ Satara	15/02/2011	10.58	15/02/2011	16.50	Bus & L B B Prot. Work & Testing Work.
220/100KV 100 MVA T/F-I @ Tambati	15/02/2011	11.03	15/02/2011	18.58	R.M.Work.
220/33 KV 50 MVA T/F - II @ Vita	15/02/2011	13.20	15/02/2011	17.03	Q.M.Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhandara - Madgi - II	14/02/2011	11.02		Continued.	Erection of Tower and Restranging work
Bhandara - Madgi -I	14/02/2011	11.10		Continued.	Erection of Tower and Restranging work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 315 MVA ICT-I @ Parly.	11/02/2011	22.43		Continued.	PDR problem (ICT LV side is on TBC)
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Phursungi - Theur	15/02/2011	09.05	15/02/2011	16.55	Y Ph C T Replacement.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	14/02/2011	22.10	15/02/2011	04.40	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Babaleshwar - Bhenda	10/01/2011	09.30		Continued.	To Control Babaleshwar ICT Load.
Alephata-Kathapur	14/01/2011	14.08	15/02/2011	04.58	To Control LNKD ICT Load.
Dhule-Chalishaon	18/01/2011	15.53		Continued.	To control O/L Dhule ICT's.
Chandrapur-Warora - I	01/02/2011	00.39		Continued.	To Control Line Loading of 220KV Warora-Hinganghat.
220/100KV, 200MVA T/F-IV at Kalwa	06/02/2011	20.32		Continued.	For Thermovision inspection
Aurangabad - Babaleshwar	13/02/2011	11.35		Continued.	To control BBLSR ICT load
Bale-Murud	14/02/2011	14.50	15/02/2011	06.50	To control load on Parli ICT
Bale-Usmanabad	14/02/2011	15.23	15/02/2011	20.55	To control load on Parli ICT
Hingoli-Pusad	15/02/2011	12.46		Continued.	To Control Pusad-Bhugaon Line Loading.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salsette - II	04/02/2011	17.14		Continued.	H/T From Kalwa end.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - II	14/02/2011	18.02	15/02/2011	08.49	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Wardha - Yawatmal	10/02/2011	15.18		Continued.	220KV Wardha-Yawatmal line reoriented as 220KV Deoli-Yawatmal Ckt via 220KV Aux.Bus of 220KV Wardha S/S.
Lamboti - Pandharpur	15/02/2011	13.49	15/02/2011	17.05	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Feb/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	180
Unit 6	210	175
Unit 7	210	200
	620	555
Bhusawal		
Unit 2	210	180
Unit 3	210	0
Unit 4	500	
	920	180
Parli		
Unit 3	210	0
Unit 4	210	165
Unit 5	210	185
Unit 6	250	245
Unit 7	250	235
	1130	830
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	200
Unit 4	210	190
Unit 5	500	490
Unit 6	500	300
Unit 7	500	450
	2340	1950
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	210
Unit 4	210	150
Unit 5	500	
	1340	780
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	190
Unit 4	210	210
Unit 5	210	200
	870	780
Uran		
All Units	852	470
	852	470
Dabhol		
RGPP	960	1200
	960	1200
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	19

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	23
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	25
GHATGHAR	250	0
	611	282
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	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	300	275
WARDHA	135	200
Other CPPs	0	
	435	475
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3380
	3143	3380