



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Feb/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Feb/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.650	380.297	1) Gujrat	5.678	17.093
2) Hydro	10.558	26.893	2) Madhya Pradesh	18.382	54.983
3) Gas	12.418	37.872	3) Chattisgarh	12.160	35.800
Total MSGENCO	149.626	445.062	4) Maharashtra	45.033	138.094
B) OTHERS			5) Goa	-5.525	-18.024
1) JSW JAIGAD	19.624	62.123	6) TAPS 1&2 Injection	7.855	23.495
2) WPCL	7.331	21.862	7) RGPPL Injection	23.034	73.648
3) Other CPP / IPP	6.444	21.020	8) Pench (Excess)	-0.439	-0.957
4) Wind Generation	4.378	13.031	# Total Cent. Sector	106.178	324.132
5) PENCH (MS)	0.439	1.202	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.467	-29.866
1) TPCL Thermal	19.504	56.491	G) Bilateral Power *		
2) TPCL Hydro	6.700	17.983	1) MSEDCL Bilateral	26.488	85.187
TOTAL TPCL	26.204	74.474	Include PX	0.000	-0.524
3) REL Thermal	12.420	36.547	2) MUMBAI Bilateral	9.446	30.523
D) STATE			Include PX	-2.624	-5.106
1) Thermal (A1+C1+C3)	158.574	473.335	3) MUMBAI Schedule	9.446	30.523
2) Hydro (A2+B5+C2)	17.697	46.078	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.418	37.872	1) MSEDCL	284.553	858.566
4) Wind (B4)	4.378	13.031	2) TPCL	32.324	95.212
5) CPP (B1+B2+B3)	33.399	105.005	3) REL	15.764	46.276
TOTAL STATE	226.466	675.321	TOTAL STATE	332.641	1000.054

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	5318	5213	5242
MSGENCO Hydro	774	321	172
MSGENCO Gas	535	513	522
MSGENCO Total Generation	6627	6047	5936
Central Sector Receipt	4959	4928	3761
WIND	79	135	342
CPP / IPP	1451	1533	1245
Exchange with Mumbai	-596	-547	-310
MSEDCL DEMAND MET	12545	12149	10974
Load Shedding (LS)	1714	815	5
MSEDCL DEMAND (INCL. LS)	14259	12964	10979
TPCL GENERATION	1391	1362	523
REL GENERATION	528	527	454
TPCL+REL DEMAND	2515	2436	1287
STATE DEMAND MET	15060	14585	12261
Load Management (LM)	2107	3479	1655
Total Load Relief (LS+LM)	3821	4294	1660
UNRESTRICTED STATE DEMAND	18881	18879	13921
Frequency (Hz)	49.66	49.74	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 23.56 Hrs	49.14 Hz at 09.11 Hrs	49.77	.27 % 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 03/Feb/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.60	9.90	166	130	150
Unit 6	3.80	11.10	173	131	155
Unit 7	4.42	12.24	210	165	185
Total	11.82	33.24			490
Bhusawal					
Unit 2	4.28	12.60	185	170	180
Unit 3	4.27	12.60	185	170	180
Unit 4	0.00	0.00	0	0	
Total	8.55	25.19			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.67	13.90	203	178	195
Unit 5	3.77	11.66	175	126	130
Unit 6	0.00	0.00	0	0	0
Unit 7	5.78	16.32	252	210	240
Total	14.22	41.88			565
Chandrapur					
Unit 1	3.52	10.75	153	137	160
Unit 2	4.02	12.11	181	160	155
Unit 3	3.93	12.10	183	139	150
Unit 4	4.80	14.59	206	190	210
Unit 5	11.34	31.28	480	460	475
Unit 6	9.96	29.23	443	380	400
Unit 7	10.24	29.20	454	395	420
Total	47.81	139.25			1970
Paras					
Unit 3	5.65	16.43	249	214	250
Unit 4	5.42	16.48	251	185	250
Total	11.07	32.91			500
Khaparkheda					
Unit 1	1.84	11.16	210	0	200
Unit 2	4.18	12.41	190	160	180
Unit 3	4.35	12.36	190	173	180
Unit 4	5.25	15.60	223	199	210
Unit 5	3.15	13.04	188	85	
Total	18.76	64.57			770
Nasik					
Unit 3	4.91	14.91	220	175	210
Unit 4	4.84	14.46	211	175	210
Unit 5	4.67	13.89	203	168	210
Total	14.42	43.26			630
Uran					
All Units	12.42	37.87	535	498	510
Total	12.42	37.87			510
PENCH (MS)					
Pench (MS)	0.44	1.20	53	0	
Total	0.44	1.20			
Koyna					
Stage 1-2	2.56	5.31	365	40	600
Stage 4	1.14	1.16	330	0	250
Stage 3	0.56	1.17	160	0	320
Total	4.25	7.64			1170
Kovna 12&4 Total	3.69	6.47			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	1.41	20	19	20
VTRNA	0.82	2.28	61	0	60
TILLARI	0.36	1.10	60	0	60
BHTGR/VEER	0.10	0.29	4	4	4
BHIRA T.R.	0.32	0.98	80	0	80
RNGR+BHTSA	0.34	1.06	15	14	15
BHANDARDRA	0.62	1.87	26	26	26
ELDARY	0.32	0.97	14	13	14
SMLHY PTN	1.07	3.16	52	41	11
GHATGHAR	1.88	6.11	250	0	0
Total	6.31	19.26			290
Wind					
MalharPeth	0.46	1.09			
Vankuswadi	0.38	1.08			
ATIT	0.14	0.33			
Kale	0.18	0.46			
Satara	0.58	2.05			
Shirala	0.21	0.54			
K Mahankal	0.27	0.62			
Supa	0.09	0.34			
Vita	0.60	1.64			
Dondaicha	0.98	3.05			
Sakri	0.10	0.30			
Nandurbar	0.06	0.26			
Khandke	0.19	0.80			
Khaparale	0.13	0.47			
Total	4.38	13.03			
CPP					
JSW JAIGAD	19.62	62.12	912	725	825
WARDHA	7.33	21.86	337	261	330
Other CPPs	6.44	21.02			
Total	33.40	105.00			1155
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	0.00	0	0	0
Trombay 6	9.36	26.58	502	156	500
Trombay 7A	2.90	8.31	128	94	120
Trombay 7B	1.63	4.78	70	60	60
Trombay 8	5.62	16.83	250	176	250
TATA Hydro	6.70	17.98	459	0	447
Total	26.20	74.47			1377
REL					
1&2	12.42	36.55	529	454	500
Total	12.42	36.55			500
Cent Sect					
Share					4944
Total					4944

MS PG CL	Thermal	126.65	380.30			5285
	Thml+Gas	139.07	418.17			5795
	Hydro	10.56	26.89			1460
	Total	149.63	445.06			7255
State Total		226.47	675.32			15231

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/Feb/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	5461	228	520	6209	251	1243	4591	3899	-223	-411	11191	2055	11247	1497	14743	49.90
2	5348	157	522	6027	318	1243	4300	3783	-170	-348	11023	1950	11027	1379	14352	49.89
3	5242	172	522	5936	342	1245	4211	3761	-173	-310	10974	1660	10979	1287	13921	49.93
4	5224	168	524	5916	369	1241	4059	3718	-173	-262	10982	1833	10987	1246	14061	49.93
5	5260	164	522	5946	403	1248	4072	4052	-173	-255	11394	1834	11399	1261	14489	49.87
6	5389	169	520	6078	406	1303	4160	4069	-25	-163	11693	2054	11833	1405	15152	49.82
7	5434	197	520	6151	342	1418	4363	4311	-146	-141	12098	2906	13036	1592	16596	49.59
8	5451	497	521	6469	272	1462	4395	4503	-220	-158	12573	3459	13884	1796	17828	49.64
9	5431	724	522	6677	251	1464	4439	4146	-289	-258	12307	3590	13640	2025	17922	49.53
10	5279	1262	510	7051	239	1429	4507	4517	-517	-480	12781	3749	14337	2299	18829	49.57
11	5272	912	521	6705	143	1464	4630	4790	-591	-591	12536	3850	14299	2487	18873	49.73
12	5318	774	535	6627	79	1451	5066	4959	-631	-596	12545	3821	14259	2515	18881	49.66
13	5339	762	530	6631	74	1472	4767	4992	-665	-588	12607	3845	14355	2508	18960	49.73
14	5260	729	522	6511	75	1468	4563	5275	-535	-462	12893	3633	14491	2380	18906	49.77
15	5212	695	521	6428	60	1472	4493	4970	-544	-483	12473	3325	13915	2403	18201	49.74
16	5228	715	513	6456	55	1474	4328	4909	-554	-507	12407	3324	13949	2407	18138	49.79
17	5221	367	513	6101	53	1471	4328	4281	-554	-501	11405	3825	13077	2412	17642	49.81
18	5220	239	513	5972	68	1470	4445	3941	-515	-458	10993	3947	12303	2365	17305	49.88
19	5246	304	513	6063	92	1516	4792	4483	-570	-495	11692	4420	12661	2390	18502	49.77
20	5213	321	513	6047	135	1533	4766	4928	-618	-547	12149	4294	12964	2436	18879	49.74
21	5210	336	511	6057	139	1435	4618	4452	-475	-392	11741	4155	12417	2278	18174	49.78
22	5191	311	511	6013	99	1333	4656	4358	-400	-373	11480	3891	11892	2101	17472	49.78
23	5157	194	501	5852	58	1263	4710	4532	-342	-375	11341	3543	11683	1907	16791	49.84
24	5044	161	498	5703	55	1281	4794	4549	-343	-313	11275	2975	11527	1715	15965	49.84
MUs	126.65	10.56	12.42	149.63	4.38	33.40	108.05	106.18	-9.45	-9.47	284.55	77.94	306.16	48.09	410.58	49.77

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 03/Feb/2012

Position as on 6.30 Hrs of 04/Feb/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	04/02/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	04/02/2012
Tata Trombay 5	500	11/01/2012	00.19		Continued.	Annual overhaul.	14/02/2012
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	29/02/2012
Dabhol 3B	230	12/12/2011	23.46		Continued.	Gas shortage.	
Dabhol 3A	230	13/12/2011	16.09		Continued.	Gas Shortage	
Dabhol 3X	290	13/12/2011	16.09		Continued.	Gas Shortage	
Cent_Sect NTPC(K-3)	210	28/12/2011	14.00		Continued.	CW Pump Problem	
CPP WPCL U-3	135	28/01/2012	07.48		Continued.	W/Dn,due to bottom ash problem.	
Parli Unit 6	250	31/01/2012	22.03		Continued.	BLR T/L.	05/02/2012
CPP JSW (J) U2	300	01/02/2012	21.39		Continued.	Lubricant system oil leakage.	
Koyna ST - IV 4	250	01/02/2012	22.15		Continued.	Transormer oil leakage.	04/02/2012
Cent_Sect NTPC(V-4)	210	02/02/2012	08:52	03/02/2012	09.47	Boiler Tube Leakage.	
Koyna Unit 6	75	03/02/2012	07.45	03/02/2012	11.15	Preventative Maintenance.	
Khaparkheda Unit 1	210	03/02/2012	09.07		Continued.	GT Y Ph.H V Side Anchor Point Insulator Broken.	
Dabhol 1A	230	03/02/2012	11.21	03/02/2012	14.25	Low Vaccum.	
Dabhol 1B	230	03/02/2012	11.21	03/02/2012	12.48	Low Vaccum.	
Dabhol 1X	290	03/02/2012	11.21	03/02/2012	16.26	Low Vaccum.	
Dabhol 1B	230	03/02/2012	13.38	03/02/2012	16.26	Low Vaccum.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Feb/2012

Position as on 6.30 Hrs of 04/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur	29/12/2011	07:54		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temprrory reconfigured as Tarapur-Boisar ckt-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - I	31/01/2012	21.57	03/02/2012	09.36	Over Voltage.
Dhule-Sar'Sarovar - II	01/02/2012	01.26	03/02/2012	13.49	Over Voltage.
Kolhapur-Mapusa-II	01/02/2012	21.11		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	03/02/2012	16.50		Continued.	Over Voltage.
Wardha - Akola - II	03/02/2012	21.29		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor on 400KV Parli Ckt.I at Chandrapur	31/01/2012	12.24		Continued.	Attending Oil Leakage.
400/220 KV 315 MVA ICT-I @ Parly.	02/02/2012	18:01	03/02/2012	00.20	Back up Relay Retrofitting, LV side on TBC.
Padgha - Nagothane - I	03/02/2012	08.53	03/02/2012	20.54	Q.M.Work.
Padgha - Kharghar	03/02/2012	09.08	03/02/2012	18.45	Maintenance Work.
Akola - Bhusawal	03/02/2012	09.52	03/02/2012	18.40	Replacement of Line Isolator & IPS Tube.
Bus Reactor @ Kolhapur	03/02/2012	10.12	03/02/2012	15.00	Q.M.Work.
400/220KV 315MVA ICT-II @ Aurangabad.	03/02/2012	10.18	03/02/2012	18.01	Q.M.Work, Attending Oil Leakage from H V Turret.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA (Up to 29/2/12)
Boiser - Borivali	29/12/2011	08.40		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temporary reconfigured as Tarapur-Boisar ckt-II
Kalwa - Salshet - III	24/01/2012	11.35		Continued.	Replacement of 29A and B isolator, line taken on TBC.Upto 04.02.2012
Main Bus-II at Koradi	31/01/2012	12.09		Continued.	Isolator replacement work.
220/6.6KV, 40MVA Stn..T/F-II at Korady	01/02/2012	16.35		Continued.	Replacement of 29B isolator.
Karad-Mudsingi-IV	03/02/2012	09.09	03/02/2012	18.03	Replacement of Line Insulator.
220/100 KV 200 MVA ICT-I @ Kolshet	03/02/2012	09.23	03/02/2012	16.02	R.M.Work.
Mumewadi-Mudshingi	03/02/2012	09.56	03/02/2012	19.56	Replacement of Line Side & Aux.Side Old Isolator.
Raymond-Washala	03/02/2012	10.02	03/02/2012	14.52	B Ph C T Oil Leakage.
Jambhul - Anandnagar	03/02/2012	10.04	03/02/2012	17.32	R.M.Work.
Dhule - Malegaon	03/02/2012	10.04	03/02/2012	19.15	Reorientation of Line from Old Switchyard to New 220KV Switchyard.
Bhugaon-Wardha	03/02/2012	10.26	03/02/2012	15.34	Measurment of Tan Delta of C T & C C @ Both End.
Dahanu-Versova	03/02/2012	10.35	03/02/2012	15.07	Line Maint.Work.
220/132 KV, 100 MVA ICT At Hinganghat	03/02/2012	11.38	03/02/2012	17.25	Quarterly Maintainance Work of ICT.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Feb/2012

Position as on 6.30 Hrs of 04/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
220/132 KV 200 MVA ICT - II @ Nanded	03/02/2012	12.05	03/02/2012	13.15	Quarterly Maintainance Work of ICT.
Miraj - Mhaisal	03/02/2012	12.12	03/02/2012	16.15	Testing Work.
TBC @ Butibori	03/02/2012	13.50	03/02/2012	18.25	Measurment of Breaker Timings.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Main bkr.maint.work.
Jangamwadi - Kandhar	01/02/2012	10.58		Continued.	Replacement of old SF6 Ckt. breaker.
IOL MIDC-Boiser-I	03/02/2012	09.10	03/02/2012	18.57	R.M.Work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29	03/02/2012	13.40	Line Strengthening.
Road Side Bus @ Kalwa	03/02/2012	06.40	03/02/2012	17.55	Replacement of Single Core Conductor by Twin Core Conductor.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132KV,200MVA ICT-III at Girwali	03/02/2012	15.52	03/02/2012	21.03	To Attend Hot Spot on 132KV B Ph.C T(Replacement of C T)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
Bhusawal- Aurangabad	02/02/2012	17:00		Continued.	Over Voltage.
Karad - Kolhapur - I	02/02/2012	21:48		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	29/01/2012	04.56		Continued.	To control Wardha-Warora Hinganghat line loading.
Nasik-Bablsr - I	02/02/2012	09:28		Continued.	To Control Bus Coupler loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persist.
Koradi - Kaparkheda	03/02/2012	09.07	03/02/2012	09.45	Distance Protection Optd.RYB Ph. to E/F.
Lonikand-Karad	03/02/2012	12.54	03/02/2012	13.16	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Feb/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	165
Unit 7	210	190
	620	495
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	185
Unit 5	210	125
Unit 6	250	0
Unit 7	250	245
	1130	555
Chandrapur		
Unit 1	210	160
Unit 2	210	175
Unit 3	210	140
Unit 4	210	210
Unit 5	500	480
Unit 6	500	425
Unit 7	500	475
	2340	2065
Paras		
Unit 3	250	200
Unit 4	250	190
	500	390
Khaparkheda		
Unit 1	210	0
Unit 2	210	180
Unit 3	210	180
Unit 4	210	210
Unit 5	500	
	1340	570
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	210
	630	630
Uran		
All Units	852	510
	852	510
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	18
VTRNA	60	61
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	26
ELDARY	23	13
SMLHY PTN	12	12
GHATGHAR	250	0
	611	289
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	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	804
WARDHA	405	330
Other CPPs	0	
	1005	1134
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	3455	4968
	3455	4968

	17900	7 of 7	15013
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