



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Feb/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Feb/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.370	371.764	1) Gujrat	4.635	12.103
2) Hydro	14.028	39.190	2) Madhya Pradesh	15.430	44.654
3) Gas	11.317	33.530	3) Chattisgarh	9.630	26.410
Total MSGENCO	149.715	444.484	4) Maharashtra	69.046	205.488
B) 1) JSW JAIGAD	26.041	78.790	5) Goa	-4.991	-16.014
2) WPCL	8.188	25.202	6) TAPS 1&2 Injection	0.000	0.000
3) ADANI	0.000	0.000	7) RGPPL Injection	6.814	21.052
4) Other CPP / IPP	11.520	33.897	8) Pench (Excess)	-0.571	-0.986
5) Wind Generation	2.342	5.821	# Total Cent. Sector	99.993	292.707
6) PENCH (MS)	0.571	0.986	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.041	-26.194
1) TPCL Thermal	15.031	55.492	G) Bilateral Power *		
2) TPCL Hydro	3.789	15.986	1) MSEDCL Bilateral	25.432	74.252
TOTAL TPCL	18.820	71.478	Include PX	1.713	2.104
3) REL Thermal	12.480	36.672	2) MUMBAI Bilateral	9.161	27.551
D) STATE			Include PX	-2.315	-7.332
1) Thermal (A1+C1+C3)	151.881	463.928	3) MUMBAI Schedule	9.161	27.551
2) Hydro (A2+B5+C2)	18.388	56.162	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.317	33.530	1) MSEDCL	289.329	855.693
4) Wind (B4)	2.342	5.821	2) TPCL	26.296	88.292
5) CPP (B1+B2+B3)	45.749	137.889	3) REL	14.044	46.046
TOTAL STATE	229.677	697.330	TOTAL STATE	329.669	990.031

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	5246	5183	5283
MSGENCO Hydro	1832	745	139
MSGENCO Gas	462	467	485
MSGENCO Total Generation	7540	6395	5907
Central Sector Receipt	4551	4307	3749
WIND	91	90	73
CPP / IPP	1979	1967	1828
Exchange with Mumbai	-447	-403	-417
MSEDCL DEMAND MET	13768	12403	11140
Load Shedding	443	102	23
MSEDCL DEMAND	14211	12505	11163
TPCL GENERATION	890	1029	421
R-INFRA GENERATION	529	528	527
TPCL+R-INFRA DEMAND	1866	1960	1365
STATE DEMAND MET	15634	14363	12505
STATE DEMAND	16077	14465	12528
Frequency (Hz)	49.97	50.10	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.53 Hz at 17:02 Hrs	49.6 Hz at 09:16 Hrs	50.02	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 03/Feb/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	4.03	11.90	185	142	160
Unit 7	3.95	12.08	190	135	170
Total	7.98	23.99			330
Bhusawal					
Unit 2	0.14	0.14	75	0	0
Unit 3	4.42	12.90	195	165	180
Unit 4	9.79	24.01	460	375	450
Unit 5	0.00	7.16	0	0	0
Total	14.35	44.21			630
Parli					
Unit 3	3.65	10.03	160	143	155
Unit 4	0.00	0.00	0	0	0
Unit 5	3.79	10.87	166	146	150
Unit 6	0.00	0.00	0	0	0
Unit 7	5.46	14.40	246	203	232
Total	12.90	35.31			537
Chandrapur					
Unit 1	3.53	10.53	153	143	155
Unit 2	3.47	10.44	152	140	150
Unit 3	0.00	0.08	0	0	0
Unit 4	4.61	13.95	198	186	200
Unit 5	9.84	29.10	425	390	415
Unit 6	10.98	32.14	475	420	460
Unit 7	10.22	30.50	450	355	450
Total	42.65	126.75			1830
Paras					
Unit 3	5.43	16.97	240	215	250
Unit 4	5.25	16.35	248	144	250
Total	10.68	33.32			500
Khaparkheda					
Unit 1	4.44	12.97	200	155	190
Unit 2	3.93	12.54	185	115	190
Unit 3	4.04	8.10	192	147	190
Unit 4	0.00	5.33	0	0	0
Unit 5	10.48	30.31	510	353	400
Total	22.88	69.26			970
Nasik					
Unit 3	4.42	13.22	195	160	195
Unit 4	4.13	12.55	183	160	185
Unit 5	4.39	13.15	195	169	195
Total	12.94	38.92			575
Uran					
All Units	11.32	33.53	490	449	470
Total	11.32	33.53			470
PENCH (MS)					
Pench (MS)	0.57	0.99	54	0	0
Total	0.57	0.99			0
Koyna					
Stage 1-2	3.22	8.40	440	40	600
Stage 4	4.18	14.83	830	0	250
Stage 3	1.54	4.96	238	0	240
Kovna 12&4 Total	7.39	23.24			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.94	28.19			1090
Hydro					
KDPH	0.76	1.68	37	19	10
VTRNA	0.00	0.00	0	0	0
TILLARI	0.36	1.06	59	0	60
BHTGR/VEER	0.06	0.16	3	2	2
BHIRA T.R.	0.38	0.91	82	0	80
RNGR+BHTSA	0.36	1.04	15	15	13
BHANDARDRA	0.58	0.66	25	24	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.95	2.96	47	37	10
GHATGHAR	1.64	2.52	235	0	0
Total	5.09	11.00			175
Wind					
MalharPeth	0.13	0.35			
Vankuswadi	0.22	0.61			
ATIT	0.03	0.04			
Kale	0.06	0.12			
Satara	0.45	0.53			
Shirala	0.03	0.20			
K Mahankal	0.02	0.54			
Supa	0.03	0.13			
Vita	0.36	1.08			
Dondaicha	0.51	0.90			
Sakri	0.04	0.06			
Nandurbar	0.06	0.08			
Khandke	0.30	1.03			
Khaparale	0.11	0.16			
Total	2.34	5.82			
CPP					
JSW JAIGAD	26.04	78.79	1173	998	1062
WARDHA	8.19	25.20	344	339	340
Adani	0.00	0.00	0	0	0
Other CPPs	11.52	33.90			
Total	45.75	137.89			1402
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	4.53	24.29	444	0	0
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	3.00	9.03	127	121	130
Trombay 7B	1.64	4.94	69	67	60
Trombay 8	5.85	17.23	252	194	250
TATA Hydro	3.79	15.99	442	0	447
Total	18.82	71.48			887
REL					
1&2	12.48	36.67	529	415	500
Total	12.48	36.67			500
Cent Sect					
Share					4311
Total					4311

MS PG CL	Thermal	124.37	371.76		5372
	Thml+Gas	135.69	405.29		5842
	Hydro	14.03	39.19		1265
	Total	149.72	444.48		7107
State Total		229.68	697.33		14207

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/Feb/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	5251	140	485	5876	91	1835	3964	3782	-333	-342	11242	4	11246	1546	12792	50.01
2	5305	140	485	5930	95	1826	3889	3701	-257	-343	11209	22	11231	1417	12648	50.05
3	5283	139	485	5907	73	1828	3891	3749	-257	-417	11140	23	11163	1365	12528	50.05
4	5249	143	487	5879	76	1820	3964	4043	-329	-475	11343	23	11366	1309	12675	50.04
5	5151	143	488	5782	85	1836	4111	4363	-479	-472	11594	43	11637	1307	12944	50.00
6	5174	143	489	5806	88	1906	3852	4089	-221	-322	11567	360	11927	1418	13345	49.94
7	5174	138	490	5802	121	1854	3955	3924	-258	-306	11395	842	12237	1469	13706	49.93
8	5245	393	480	6118	136	1899	4324	4534	-294	-336	12351	841	13192	1540	14732	49.87
9	5183	710	476	6369	104	1988	4387	4608	-346	-372	12730	765	13495	1652	15147	49.89
10	5201	1421	470	7092	82	1979	4562	4629	-422	-400	13435	499	13934	1781	15715	49.91
11	5246	1832	462	7540	91	1979	4473	4551	-527	-447	13768	443	14211	1866	16077	49.97
12	5114	1568	456	7138	52	1979	4502	4500	-543	-449	13273	622	13895	1879	15774	50.01
13	5126	1438	452	7016	31	1982	4269	4254	-502	-473	12857	781	13638	1873	15511	49.93
14	5155	905	453	6513	21	1995	4172	4187	-405	-373	12390	689	13079	1809	14888	50.08
15	5229	652	449	6330	21	1973	4307	4600	-346	-323	12648	554	13202	1753	14955	50.01
16	5154	965	452	6571	24	1918	4227	4506	-312	-272	12793	449	13242	1703	14945	50.01
17	5071	872	459	6402	47	1926	4054	4045	-293	-224	12246	423	12669	1693	14362	50.01
18	5121	211	463	5795	60	1836	4036	3724	-322	-243	11192	422	11614	1694	13308	50.18
19	5224	445	472	6141	74	1954	4180	4436	-435	-382	12276	96	12372	1850	14222	50.07
20	5183	745	467	6395	90	1967	4280	4307	-479	-403	12403	102	12505	1960	14465	50.10
21	5136	380	473	5989	100	1955	4262	4246	-479	-472	11839	68	11907	1945	13852	50.00
22	5137	185	472	5794	263	1831	4264	3944	-479	-452	11380	63	11443	1911	13354	50.12
23	5129	160	474	5763	310	1834	4204	3674	-459	-432	11149	27	11176	1847	13023	50.04
24	5129	160	478	5767	207	1849	4033	3597	-384	-311	11109	14	11123	1754	12877	50.20
MUs	124.37	14.03	11.32	149.72	2.34	45.75	100.16	99.99	-9.16	-9.04	289.33	8.18	297.50	40.34	337.84	50.02

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/2013

Position as on 6.30 Hrs of 04/Feb/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 5	200	16/09/2012	04.23		Continued.	C.O.H.	
Parli Unit 4	210	28/11/2012	02.37		Continued.	W/DN due to water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Cent_Sect Tarapur 2	80	31/12/2012	17.05		Continued.	Refuelling work	15/02/2013
Cent_Sect Tarapur 1	80	28/01/2013	22.15		Continued.	Annual Overhaul	
FORCED OUTAGE							
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Dabhol 3B	230	28/10/2012	12.43		Continued.	Gas Shortage	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
Dabhol 3X	290	03/12/2012	21.21		Continued.	Gas Shortage	
Dabhol 3A	230	03/12/2012	21.23		Continued.	Gas Shortage	
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
Tata Trombay 6	500	23/01/2013	22.57		Continued.	Economy Shutdown.	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Economiser tube leakage.	
Uran Unit 6	108	25/01/2013	20.25		Continued.	Gas Shortage	
CPP Adani	660	31/01/2013	17.05		Continued.	400KV Tirora-Warora isolator sparking.	
Bhusawal Unit 2	210	31/01/2013	22.09	03/02/2013	21.09	Boiler Tube Leakage.	
Chandrapur Unit 3	210	01/02/2013	00.35		Continued.	Boiler Tube Leakage.	04/02/2013
Khaparkheda Unit 4	210	02/02/2013	04.28		Continued.	Boiler Validity Expire.	
Bhusawal Unit 5	500	02/02/2013	12.02		Continued.	Furnace Pressure Protection Operated.	
Tata Trombay 5	500	02/02/2013	21.45	03/02/2013	09.55	H P Turbine Heavy Steam Leakage.	
Tata Trombay 5	500	03/02/2013	09.58	03/02/2013	10.55	Reactor protection operated.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 03/Feb/2013

Position as on 6.30 Hrs of 04/Feb/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur - Bhadravati - III	02/02/2013	15.08		Continued.	On TBC for on Breaker,Ready for Charge from 1915 Hrs.
Akola - Wardha - I	03/02/2013	10.30	03/02/2013	14.37	To attend hot spot on R ph.line CT at Akola.
Akola - Wardha - II	03/02/2013	14.43	03/02/2013	18.13	Attending hot spot on isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur-I	04/11/2012	09.53		Continued.	Mumbai Strengthening work to be carried out on Boiser-Borivali section upto 02/2/2013
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	13/01/2013	17.34		Continued.	Over Voltage.
Warora - Tiroda - II	31/01/2013	17.14		Continued.	Heavy Sparking in Y Ph.Line Isolator.
Dhule-Sar'Sarovar - I	31/01/2013	22.23	03/02/2013	09.33	Over Voltage.
Wardha (PG) - Warora - I	01/02/2013	16.11		Continued.	2/37, TESTING WORK, READY FOR CHARGING AT 17.55
Kolhapur - Mapusa - II	01/02/2013	16.38		Continued.	OVER VOLTAGE 2/43.
Kolhapur-Solapur(PGCIL)-I	01/02/2013	19.30	03/02/2013	10.00	2/56, H.T, O/V KOL 442/433 KV.
Akola - Aurangabad- II	03/02/2013	10.20	03/02/2013	18.41	To avail emergency outage on 400KV Akola-Wardha line.
Kolhapur-Solapur (PG) II	03/02/2013	16.08		Continued.	Over Voltage.
Dhule-S'Sarovar I	03/02/2013	23.01		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	28/01/2013	16.57		Continued.	To Control Wardha-Yavatmal Line Loading
Voltage Level : 400KV			Outage Type TRIPPED		
Parli-Parli (PGCIL)-II	01/02/2013	12.13		Continued.	TAKEN ON TBC.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	15/01/2013	09.51		Continued.	Replacement of Old Not working CT
400/220 KV 600 MVA ICT-II @ Kalwa	18/01/2013	08.29		Continued.	Replacement of R ph.T/F.(Outage upto 03.02.2013)
Koradi - Indiabull (Nandgaonpeth)	28/01/2013	09.00	03/02/2013	08.41	Tower Erection (Till 02.02.2013).
Main Bus-II at 400 KV Lonikand.	31/01/2013	12.10		Continued.	Connecting Jumper of 400KV PGCIL & Parl-I.Outage Extended.
Chandrapur - Parli - I	03/02/2013	08.16		Continued.	Overhead crossing work of 400KV D/C line LILO on CHDPR-Parli at CHDPR-II.(Line H/T for O/V at 00.00Hrs.)
Padgha - Nagothane- II	03/02/2013	16.50		Continued.	To attend oil leakage.Taken on TBC.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthing work to be carried out on Boiser-Borivali section upto 31/1/2013
220/132KV,100MVA ICT-II @ Kanhan	30/01/2013	13.36		Continued.	Replacement of 100MVA ICT-II by 200MVA
220/100KV 200 MVA ICT-II @ Padgha	31/01/2013	12.30		Continued.	Repl of C & D Isolator & H V CT Structure.Upto 7.2.2013.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 03/Feb/2013

Position as on 6.30 Hrs of 04/Feb/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Babaleshwar - Babaleshwar - I	02/02/2013	11.12		Continued.	ON TBC For Line Breaker Work.
Nerul -Sonkhar	03/02/2013	09.50	03/02/2013	11.13	Jumper nut bolt tightening and other work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	20/03/2012	11.50		Continued.	High tan delta of bushing.
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
80MVAR Bus reactor breaker-I at BBLSR	08/01/2013	05.35		Continued.	Air leakage in B phase of CB(Taken on TBC at 17.43Hrs/15-1-2013)
Deepnagar-Aurangabad-I	12/01/2013	13.36		Continued.	Over Voltage.
Karad - Kolhapur - II	25/01/2013	20.00		Continued.	Over Voltage.
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
Karad - Kolhapur - I	02/02/2013	16.34		Continued.	Over Voltage.
Bhusawal- Aurangabad	02/02/2013	18.59	03/02/2013	09.08	Over Voltage.
Lonikand- Koyna Stage IV	02/02/2013	21.55	03/02/2013	07.29	Over Voltage.
Bablsr-Aurangabad	03/02/2013	10.05	03/02/2013	18.53	Akola-Wardha outage to reduce Akola-Wardha line loading.
Bhusawal- Aurangabad	03/02/2013	18.54		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	03/02/2013	22.10		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	10/12/2012	21.43		Continued.	Due to Overloading
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Feb/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	150
	620	280
Bhusawal		
Unit 2	210	180
Unit 3	210	190
Unit 4	500	450
Unit 5	500	0
	1420	820
Parli		
Unit 3	210	125
Unit 4	210	0
Unit 5	210	135
Unit 6	250	0
Unit 7	250	230
	1130	490
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	0
Unit 4	210	200
Unit 5	500	425
Unit 6	500	470
Unit 7	500	450
	2340	1845
Paras		
Unit 3	250	230
Unit 4	250	150
	500	380
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	190
Unit 4	210	0
Unit 5	500	400
	1340	970
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	495
	852	495
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	25
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	228
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	1200	1095
WARDHA	405	380
Adani	660	
Other CPPs	0	
	2265	1475
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	130
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1387
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4373
	3455	4373