



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Feb/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Feb/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.123	1221.340	1) Gujrat	6.712	51.110
2) Hydro	14.939	136.127	2) Madhya Pradesh	20.056	173.158
3) Gas	11.348	109.842	3) Chattisgarh	10.240	94.840
Total MSGENCO	138.410	1467.309	4) Maharashtra	72.275	700.475
B) 1) JSW JAIGAD	23.101	256.383	5) Goa	-4.957	-54.256
2) WPCL	8.408	84.773	6) TAPS 1&2 Injection	3.121	7.905
3) ADANI	0.000	0.000	7) RGPPL Injection	0.000	39.950
4) Other CPP / IPP	11.758	115.018	8) Pench (Excess)	-0.351	-4.345
5) Wind Generation	5.066	33.589	# Total Cent. Sector	107.096	1008.837
6) PENCH (MS)	0.351	4.345	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.333	-89.824
1) TPCL Thermal	21.065	201.951	G) Bilateral Power *		
2) TPCL Hydro	0.260	44.696	1) MSEDCL Bilateral	24.314	253.122
TOTAL TPCL	21.325	246.647	Include PX	2.055	11.888
3) REL Thermal	12.181	122.325	2) MUMBAI Bilateral	9.274	100.016
D) STATE			Include PX	-2.286	-17.074
1) Thermal (A1+C1+C3)	145.369	1545.616	3) MUMBAI Schedule	9.274	100.016
2) Hydro (A2+B5+C2)	15.550	185.168	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.348	109.842	1) MSEDCL	286.857	2880.430
4) Wind (B4)	5.066	33.589	2) TPCL	26.553	302.524
5) CPP (B1+B2+B3)	43.267	456.174	3) REL	14.287	156.297
TOTAL STATE	220.600	2330.389	TOTAL STATE	327.697	3339.251

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4745	4723	4554
MSGENCO Hydro	1572	1099	126
MSGENCO Gas	458	462	479
MSGENCO Total Generation	6775	6284	5159
Central Sector Receipt	4739	4392	4388
WIND	275	65	241
CPP / IPP	2015	1764	1730
Exchange with Mumbai	-414	-249	-285
MSEDCL DEMAND MET	13423	12256	11233
Load Shedding	576	523	35
MSEDCL DEMAND	13999	12779	11268
TPCL GENERATION	953	944	678
R-INFRA GENERATION	528	529	393
TPCL+R-INFRA DEMAND	1895	1722	1356
STATE DEMAND MET	15318	13978	12589
STATE DEMAND	15894	14501	12624
Frequency (Hz)	50.04	50.13	50.18

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.54 Hz at 17:02 Hrs	49.72 Hz at 18:23 Hrs	50.09	0 % of Time(min)

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

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 10/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	3.17	32.62	155	117	120
Unit 7	2.84	34.51	135	105	125
Total	6.00	67.13			245
Bhusawal					
Unit 2	0.00	19.16	0	0	0
Unit 3	4.04	40.48	185	140	180
Unit 4	9.04	88.25	420	320	450
Unit 5	0.00	7.16	0	0	0
Total	13.09	155.06			630
Parli					
Unit 3	3.56	34.06	160	132	155
Unit 4	0.00	0.00	0	0	0
Unit 5	4.06	36.53	175	158	170
Unit 6	0.00	0.00	0	0	0
Unit 7	4.34	50.48	211	149	165
Total	11.96	121.07			490
Chandrapur					
Unit 1	3.58	35.40	153	144	155
Unit 2	3.47	34.43	151	124	150
Unit 3	4.42	20.89	190	162	190
Unit 4	4.46	45.76	196	166	200
Unit 5	9.58	98.21	420	350	425
Unit 6	11.16	109.13	482	450	460
Unit 7	0.00	77.54	0	0	0
Total	36.67	421.36			1580
Paras					
Unit 3	5.86	54.85	256	222	250
Unit 4	4.84	50.86	259	0	250
Total	10.70	105.71			500
Khaparkheda					
Unit 1	4.27	40.15	190	150	190
Unit 2	0.00	35.05	0	0	0
Unit 3	4.51	39.05	198	176	190
Unit 4	4.16	16.92	188	156	190
Unit 5	8.00	90.53	396	290	350
Total	20.94	221.70			920
Nasik					
Unit 3	4.28	43.66	190	165	195
Unit 4	4.18	41.98	181	159	185
Unit 5	4.30	43.68	190	170	195
Total	12.76	129.32			575
Uran					
All Units	11.35	109.84	495	450	470
Total	11.35	109.84			470
PENCH (MS)					
Pench (MS)	0.35	4.34	40	0	0
Total	0.35	4.34			0
Koyna					
Stage 1-2	3.52	31.70	455	40	600
Stage 4	5.21	42.40	821	0	250
Stage 3	1.83	16.09	240	0	240
Kovna 12&4 Total	8.72	74.10			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.55	90.19			1090
Hydro					
KDPH	0.46	3.75	20	19	0
VTRNA	0.62	3.73	61	0	60
TILLARI	0.18	3.02	60	0	60
BHTGR/VEER	0.05	0.57	3	2	3
BHIRA T.R.	0.20	2.76	62	0	80
RNGR+BHTSA	0.36	3.56	16	15	15
BHANDARDRA	0.48	4.22	21	20	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.53	9.67	29	19	10
GHATGHAR	1.50	14.67	250	0	0
Total	4.39	45.94			248
Wind					
MalharPeth	0.13	1.52			
Vankuswadi	0.24	2.40			
ATIT	0.02	0.25			
Kale	0.05	0.69			
Satara	0.99	2.92			
Shirala	0.04	1.10			
K Mahankal	0.04	1.83			
Supa	0.11	0.84			
Vita	1.14	4.56			
Dondaicha	1.19	10.11			
Sakri	0.13	1.28			
Nandurbar	0.06	0.94			
Khandke	0.76	3.69			
Khaparale	0.16	1.46			
Total	5.07	33.59			
CPP					
JSW JAIGAD	23.10	256.38	1162	876	1066
WARDHA	8.41	84.77	352	349	350
Adani	0.00	0.00	0	0	
Other CPPs	11.76	115.02			
Total	43.27	456.17			1416
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.64	98.83	504	285	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.98	29.24	128	120	130
Trombay 7B	1.64	16.18	69	66	60
Trombay 8	5.81	57.70	252	193	250
TATA Hydro	0.26	44.70	92	0	447
Total	21.32	246.65			1387
REL					
1&2	12.18	122.32	530	392	500
Total	12.18	122.32			500
Cent Sect					
Share					3990
Total					3990

MS PG CL	Thermal	112.12	1221.34			4940
	Thml+Gas	123.47	1331.18			5410
	Hydro	14.94	136.13			1338
	Total	138.41	1467.31			6748
State Total		220.60	2330.39			14041

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/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	4748	151	477	5376	175	1842	3953	4378	-311	-277	11494	59	11553	1569	13122	50.16
2	4635	116	480	5231	161	1761	4042	4412	-289	-289	11276	30	11306	1436	12742	50.17
3	4554	126	479	5159	241	1730	4378	4388	-473	-285	11233	35	11268	1356	12624	50.18
4	4600	126	479	5205	303	1759	4346	4310	-436	-237	11340	44	11384	1304	12688	50.15
5	4626	126	493	5245	378	1733	4261	4335	-452	-223	11468	75	11543	1309	12852	50.10
6	4760	126	495	5381	427	1848	3920	4094	-198	-40	11710	248	11958	1395	13353	50.07
7	4825	126	492	5443	342	1864	3898	3935	-243	-70	11514	653	12167	1462	13629	49.99
8	4867	141	491	5499	420	1895	4207	4552	-272	-65	12328	800	13128	1517	14645	49.97
9	4853	590	488	5931	383	1927	4255	4522	-329	-184	12606	796	13402	1651	15053	49.99
10	4798	1279	473	6550	399	2004	4333	4648	-403	-319	13292	611	13903	1810	15713	50.00
11	4745	1572	458	6775	275	2015	4384	4739	-462	-414	13423	576	13999	1895	15894	50.04
12	4652	1482	450	6584	231	1865	4547	4735	-475	-446	13002	684	13686	1933	15619	49.99
13	4731	1483	458	6672	132	1715	4229	4551	-451	-445	12645	842	13487	1919	15406	50.18
14	4674	1329	460	6463	70	1768	4133	4492	-409	-357	12456	755	13211	1832	15043	50.18
15	4706	1157	458	6321	42	1764	4396	4712	-353	-298	12561	646	13207	1772	14979	50.06
16	4725	1216	460	6401	66	1768	4371	4764	-328	-263	12736	549	13285	1734	15019	50.08
17	4723	1099	462	6284	65	1764	4023	4392	-306	-249	12256	523	12779	1722	14501	50.13
18	4626	403	463	5492	69	1768	3895	4070	-331	-324	11108	622	11730	1767	13497	50.23
19	4638	649	465	5752	60	1764	3896	4233	-424	-461	11388	233	11621	1878	13499	49.96
20	4680	748	468	5896	102	1759	3996	4176	-473	-476	11497	384	11881	2033	13914	50.03
21	4496	331	474	5301	136	1755	4153	4690	-473	-495	11427	256	11683	2011	13694	50.03
22	4455	209	471	5135	231	1765	4156	4551	-473	-490	11200	160	11360	1967	13327	50.15
23	4523	176	476	5175	190	1721	4118	4704	-473	-390	11400	100	11500	1859	13359	50.09
24	4483	178	478	5139	168	1713	4200	4713	-435	-236	11497	82	11579	1708	13287	50.27
MUs	112.12	14.94	11.35	138.41	5.07	43.27	100.09	107.10	-9.27	-7.33	286.86	9.76	296.62	40.84	337.46	50.09

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 10/Feb/2013

Position as on 6.30 Hrs of 11/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
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage	
Koyna ST - IV 4	250	04/02/2013	08.00		Continued.	AOH.	13/03/2013
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.	
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 5	500	02/02/2013	12.02		Continued.	Furnace Pressure Protection Operated.	
CPP WPCL U-4	135	04/02/2013	19.16		Continued.	ID fan vibration problem.	
Dabhol 2A	230	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 2X	290	06/02/2013	21.32		Continued.	Gas Shortage	
Chandrapur Unit 7	500	08/02/2013	17.06	11/02/2013	01.40	Boiler Tube Leakage.	
Bhusawal Unit 2	210	08/02/2013	20.33		Continued.	Bottom Ash Heavy Leakage.	
Khaparkheda Unit 2	210	09/02/2013	12.23	11/02/2013	05.02	Boiler Tube Leakage.	
CPP JSW (J) U2	300	09/02/2013	18.04	10/02/2013	00.05	Coal Mill Problem.	
CPP JSW (J) U4	300	10/02/2013	12.45		Continued.	Cooling duct leakage.	
Paras Unit 4	250	10/02/2013	20.05		Continued.	Front bearing steam leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Feb/2013

Position as on 6.30 Hrs of 11/Feb/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur - Bhadravati - IV	07/02/2013	08.05	10/02/2013	10.44	Overhead crossing work of 400KV DC line LILO on C'Pur-Prly I&II Line
Warora - Deoli - I	09/02/2013	14.57	10/02/2013	11.32	For Attending Overvoltage Problem of CVT @ Wardha PGCIL End, Ready For Charging from 19.00 Hrs.
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 15/3/2013
Bhoisor - Bhoisor PGCIL-II	06/02/2013	11.02	10/02/2013	08.00	Breaker Replacement(Line on TBC)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Warora - Tiroda - II	31/01/2013	17.14		Continued.	Heavy Sparking in Y Ph.Line Isolator.
Kolhapur - Mapusa - II	01/02/2013	16.38		Continued.	OVER VOLTAGE 2/43.
Kolhapur-Solapur(PGCIL)-I	07/02/2013	17.06	10/02/2013	10.06	Over Voltage
Dhule-S'Sarovar I	07/02/2013	20.15		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	10/02/2013	16.25		Continued.	Over Voltage.
Chandrapur-Bhadravti - I	10/02/2013	17.48		Continued.	Over Voltage.
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 08.02.2013 on Humming from 13.27 Hrs)
400/220KV 500MVA ICT-III at Bableshwar	09/02/2013	09.56	10/02/2013	21.59	For Insulation Painting/Coating of Teritary IPS Tube.
Akola - Bhusawal	09/02/2013	15.38	10/02/2013	06.50	Red Hot @ Aux.Bus Iso. @ Bhusawal.
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 15/3/2013
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 10.2.2013.
Trombay - Tata Tie - I	10/02/2013	08.02	10/02/2013	11.55	To facilitate work on new 220KV line.
Bhira - Dharavi - VII	10/02/2013	08.25	10/02/2013	14.56	Inspection work.
Trombay Salsette-Dharavi-9	10/02/2013	08.25	10/02/2013	15.20	Inspection work.
Lonand - Bothe (Surwadi)	10/02/2013	09.38	10/02/2013	17.27	Bunching remove on 220KV Lonand-Bothe for 220KV Phaltan S/s.
Dahanu-Ghodbunder	10/02/2013	10.18	10/02/2013	13.34	Replacement of VD at Loc.No.209.
Khaparkhedha-Kawlewada-I	10/02/2013	10.28	10/02/2013	15.28	Replacewment of earth wire.
Kalwa - Borivali	10/02/2013	16.10	10/02/2013	17.50	To attend hot spot.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132KV 200 MVA ICT-	10/02/2013	10.26	10/02/2013	10.49	Isolator problem.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Feb/2013

Position as on 6.30 Hrs of 11/Feb/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
II @ Raymond					
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.
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
Bhusawal- Aurangabad	05/02/2013	17.42		Continued.	Over Voltage
Chandrapur - Parli - III	06/02/2013	17.59		Continued.	Over Voltage
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Handtripped
Karad - Kolhapur - I	08/02/2013	17.05	10/02/2013	07.25	Over Voltage.
Lonikand- Koyna Stage IV	09/02/2013	21.49		Continued.	Over Voltage.
Dabhol - Nagothane - I	09/02/2013	21.52		Continued.	Over Voltage.
400/220KV 315MVA ICT-III at Karad.	10/02/2013	06.49	10/02/2013	11.55	Due to Sparking @ 220 KV Bay.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	04/02/2013	23.36		Continued.	Due to over loading.
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.
Karad - Kolhapur - II	09/02/2013	17.06		Continued.	Over Voltage.
Karad - Kolhapur - I	10/02/2013	16.18		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Babaleshwar - Alephata	10/02/2013	07.12		Continued.	For load management.
Wadkhal - NDIL - I	10/02/2013	19.58	10/02/2013	20.21	Tripped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Feb/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	170
Unit 7	210	130
	620	300
Bhusawal		
Unit 2	210	0
Unit 3	210	180
Unit 4	500	260
Unit 5	500	
	1420	440
Parli		
Unit 3	210	155
Unit 4	210	0
Unit 5	210	170
Unit 6	250	0
Unit 7	250	220
	1130	545
Chandrapur		
Unit 1	210	155
Unit 2	210	145
Unit 3	210	200
Unit 4	210	200
Unit 5	500	410
Unit 6	500	460
Unit 7	500	325
	2340	1895
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	170
Unit 2	210	50
Unit 3	210	170
Unit 4	210	170
Unit 5	500	440
	1340	1000
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	470
	852	470
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	0
VTRNA	60	60

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	20
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	246
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	825
WARDHA	405	350
Adani	660	
Other CPPs	0	
	2265	1175
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	4070
	3455	4070