



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Feb/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Feb/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.949	610.364	1) Gujrat	7.877	32.468
2) Hydro	21.139	106.139	2) Madhya Pradesh	17.104	87.434
3) Gas	7.498	37.235	3) Chattisgarh	7.930	41.340
Total MSGENCO	155.586	753.738	4) Maharashtra Net	86.069	437.801
B) 1) JSW JAIGAD	19.909	97.465	(Incl. 765kV Solapur-Raichur)	0.236	0.562
2) WPCL	2.411	12.174	5) Goa	-6.078	-27.591
3) ADANI	29.190	114.170	6) TAPS 1&2 Injection	6.523	28.448
4) Other CPP / IPP	21.597	91.553	7) RGPPL Injection	0.000	0.000
5) Wind Generation	1.462	19.001	8) Pench (Excess)	-0.269	-1.668
6) PENCH (MS)	0.269	1.668	# Total Cent. Sector	119.156	598.232
7) SOLAR	1.118	5.525	F) Other Exchanges		
C) 1) TPCL Thermal	14.982	75.637	1) With TPCL (Excess)	-19.857	-87.420
2) TPCL Hydro	5.132	21.021	G) Bilateral Power *		
TOTAL TPCL	20.114	96.658	1) MSEDCL Bilateral	16.657	75.628
3) REL Thermal	11.782	59.227	Include PX	0.211	1.001
D) STATE			2) MUMBAI Bilateral	16.198	74.904
1) Thermal (A1+C1+C3)	153.713	745.228	Include PX	8.480	34.252
2) Hydro (A2+B6+C2)	26.540	128.828	3) MUMBAI Schedule	16.231	74.937
3) Gas (A3)	7.498	37.235	H) ENERGY CATERED (MUs)		
4) Wind (B5)	1.462	19.001	1) MSEDCL	330.841	1606.106
5) CPP/IPP (B1+B2+B3+B4)	73.107	230.382	2) TPCL	33.158	156.517
6) SOLAR (B7)	1.118	5.525	3) REL	18.598	86.783
TOTAL STATE	263.438	1166.199	TOTAL STATE	382.597	1849.406

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	5358	5289	5069
MSGENCO Hydro	2300	1643	155
MSGENCO Gas	311	308	321
MSGENCO Total Generation	7969	7240	5545
Central Sector Receipt	5502	5109	4147
WIND	50	65	82
CPP / IPP	3146	3107	2931
SOLAR	127	49	0
Exchange with Mumbai	-955	-947	-557
MSEDCL DEMAND MET	15863	14623	12148
Load Shedding	704	629	199
MSEDCL DEMAND	16567	15252	12347
TPCL GENERATION	1166	1096	499
R-INFRA GENERATION	526	526	402
TPCL+R-INFRA DEMAND	2647	2569	1458
STATE DEMAND MET	18510	17192	13606
STATE DEMAND	19214	17821	13805
Frequency (Hz)	49.84	49.87	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 12.55 Hrs	49.62 Hz at 18.33 Hrs	49.97	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 05/Feb/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.37	17.22	150	125	140
Unit 6	0.00	0.00	0	0	0
Unit 7	3.60	18.68	160	135	150
Total	6.97	35.90			290
Bhusawal					
Unit 2	3.80	18.46	170	140	160
Unit 3	3.82	19.50	170	145	160
Unit 4	9.52	49.06	465	315	430
Unit 5	7.04	21.70	315	270	301
Total	24.17	108.71			1051
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.96	7.92	180	146	145
Unit 5	3.57	18.37	166	135	170
Unit 6	5.29	26.49	250	179	181
Unit 7	5.02	25.66	238	156	180
Total	17.84	78.44			676
Chandrapur					
Unit 1	3.22	16.28	137	131	136
Unit 2	0.00	0.00	0	0	0
Unit 3	4.20	20.41	187	152	166
Unit 4	4.66	23.32	206	170	161
Unit 5	0.00	0.00	0	0	0
Unit 6	9.75	48.69	437	375	370
Unit 7	8.60	41.94	417	287	355
Total	30.43	150.63			1188
Paras					
Unit 3	5.46	26.33	249	215	230
Unit 4	2.14	23.61	237	0	230
Total	7.60	49.94			460
Khaparkheda					
Unit 1	4.21	20.03	195	150	180
Unit 2	3.76	16.77	175	125	180
Unit 3	4.56	21.18	201	166	190
Unit 4	4.66	22.67	206	170	190
Unit 5	11.21	53.36	496	380	500
Total	28.40	134.01			1240
Nasik					
Unit 3	3.88	17.80	175	110	180
Unit 4	4.30	21.61	192	169	190
Unit 5	3.35	13.32	190	87	190
Total	11.53	52.73			560
Uran					
All Units	7.50	37.24	324	302	320
Total	7.50	37.24			320
PENCH (MS)					
Pench (MS)	0.27	1.67	52	0	
Total	0.27	1.67			
Koyna					
Stage 1-2	4.10	23.94	465	40	600
Stage 4	9.13	44.18	1120	0	250
Stage 3	2.48	14.59	320	0	320
Kovna 12&4 Total	13.23	68.12			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	15.70	82.70			1170
Hydro					
KDPH	0.89	3.22	37	37	36
VTRNA	0.00	0.00	0	0	0
TILLARI	0.39	2.05	61	0	64
BHTGR/VEER	0.05	0.29	3	2	10
BHIRA T.R.	0.00	0.00	0	0	0
RNGR+BHTSA	0.32	1.80	14	13	10
BHANDARDRA	0.00	0.14	0	0	10
ELDARY	0.36	1.80	15	14	
SMLHY PTN	1.11	4.68	54	43	14
GHATGHAR	2.32	9.46	250	0	
Total	5.44	23.44			144
Wind					
MalharPeth	0.08	0.77			
Vankuswadi	0.20	1.41			
ATIT	0.01	0.10			
Kale	0.04	0.42			
Satara	0.55	6.73			
Shirala	0.04	0.46			
K Mahankal	0.00	0.07			
Supa	0.04	0.30			
Vita	0.37	3.58			
Dondaicha	0.02	3.20			
Sakri	0.02	0.34			
Nandurbar	0.02	0.23			
Khandke	0.02	0.72			
Khaparale	0.02	0.67			
Total	1.46	19.00			
CPP					
JSW JAIGAD	19.91	97.46	903	762	801
WARDHA	2.41	12.17	103	98	100
Adani	29.19	114.17	1270	1200	1234
Other CPPs	21.60	91.55			245
Total	73.11	315.36			2380
SOLAR					
Total	1.12	5.52			
Total	1.12	5.52			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.42	53.19	502	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.92	14.42	129	114	120
Trombay 7B	1.65	8.03	71	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.13	21.02	471	0	447
Total	20.11	96.66			1127
REL					
1&2	11.78	59.23	526	402	500
Total	11.78	59.23			500
Cent Sect					
Share					5339
Total					5339
MS PG CL	Thermal	126.95	610.36		5465
	Thml+Gas	134.45	647.60		5785
	Hydro	21.14	106.14		1314
	Total	155.59	753.74		7099
State Total		263.44	1166.20		16445

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/Feb/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	5264	160	321	5745	35	2971	0	4620	4333	-568	-761	12323	74	12397	1678	14075	49.97
2	5087	150	321	5558	51	3013	0	4515	4448	-461	-626	12444	186	12630	1527	14157	50.02
3	5069	155	321	5545	82	2931	0	4497	4147	-443	-557	12148	199	12347	1458	13805	50.10
4	5069	160	322	5551	78	2906	0	4485	4309	-431	-521	12323	207	12530	1421	13951	50.15
5	5069	155	318	5542	75	2936	0	4548	4355	-437	-522	12386	218	12604	1427	14031	50.02
6	5103	149	317	5569	86	2955	0	4787	4492	-474	-627	12475	421	12896	1537	14433	49.97
7	5447	350	322	6119	97	2955	0	4809	4425	-526	-615	12981	992	13973	1748	15721	49.87
8	5581	1311	321	7213	92	3053	14	4847	5240	-588	-533	15107	1064	16171	1889	18060	49.96
9	5565	1472	324	7361	63	3100	49	4651	5198	-508	-565	15258	969	16227	2138	18365	49.92
10	5598	2134	316	8048	57	3133	100	4939	5379	-763	-758	15983	658	16641	2437	19078	49.84
11	5358	2300	311	7969	50	3146	127	5046	5502	-679	-955	15863	704	16567	2647	19214	49.84
12	5312	2302	306	7920	25	3104	171	5302	5375	-928	-1010	15609	866	16475	2699	19174	49.96
13	5271	1833	306	7410	23	3141	179	5292	5921	-899	-1020	15678	1006	16684	2680	19364	50.09
14	5265	1566	304	7135	26	3113	135	5210	5579	-796	-939	15073	897	15970	2561	18531	49.99
15	5217	1691	303	7211	40	3104	155	5379	5986	-844	-970	15550	787	16337	2595	18932	49.95
16	5283	1678	305	7266	44	3093	119	5319	5955	-896	-994	15490	700	16190	2586	18776	49.93
17	5289	1643	308	7240	65	3107	49	5262	5109	-901	-947	14623	629	15252	2569	17821	49.87
18	5435	603	304	6342	58	3098	19	4957	4598	-724	-1095	13020	743	13763	2531	16294	50.08
19	5410	247	304	5961	79	3088	1	5045	4499	-743	-1080	12548	304	12852	2530	15382	49.85
20	5444	246	310	6000	110	3081	0	5147	5051	-919	-881	13361	263	13624	2560	16184	49.93
21	5365	259	313	5937	91	3060	0	4877	5060	-727	-997	13151	150	13301	2394	15695	50.00
22	5235	226	317	5778	56	3003	0	4490	4692	-611	-995	12534	86	12620	2224	14844	49.99
23	5146	158	302	5606	44	2973	0	4366	4668	-643	-949	12367	31	12398	2050	14448	49.98
24	5067	188	302	5557	35	3043	0	4322	4809	-722	-940	12517	33	12550	1867	14417	50.04
MUs	126.95	21.14	7.50	155.58	1.46	73.11	1.12	116.71	119.13	-16.23	-19.86	330.81	12.19	343.00	51.75	394.75	49.97

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 05/Feb/2014

Position as on 6.30 Hrs of 06/Feb/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Condenser replacement work.	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
CPP WPCL U-2	135	13/12/2013	13.17		Continued.	ID Fan problem	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Uran Unit 8	108	03/01/2014	14.06		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
Chandrapur Unit 2	210	14/01/2014	12.38		Continued.	I D Fan Problem.	
CPP WPCL U-4	135	24/01/2014	06.24		Continued.	ID Fan Vibration high.	
Koradi Unit 6	210	24/01/2014	06.51		Continued.	Coal bunkering	
Uran Unit B0	120	29/01/2014	17.50		Continued.	Gas Shortage.	
Uran Unit 7	108	29/01/2014	18.05		Continued.	Gas Shortage.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP Adani U1	660	02/02/2014	20.59	05/02/2014	23.34	leakage in water value header drain line	
Paras Unit 4	250	05/02/2014	09.55		Continued.	Boiler Tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Feb/2014

Position as on 6.30 Hrs of 06/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Nasik-Navsari-I	05/02/2014	08.15	05/02/2014	18.28	PMM & Iso. Replacement Work by Getco.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
A'bad-Talegaon PG-1	01/02/2014	08.15		Continued.	Outage on Akola-A'bad II
Kolhapur-Mapusa-II	04/02/2014	16.38	05/02/2014	07.58	Over Voltage.
Dhule-Sar'Sarovar - I	04/02/2014	22.55	05/02/2014	06.00	Over Voltage
Kolhapur - Mapusa - II	05/02/2014	16.41		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control wardha-Yeotmal O/L
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT - I @ Lamboti	05/02/2014	06.51	05/02/2014	17.05	To Apply RTV Cating & Q.M.Work.
Chandrapur - Khaparkheda	05/02/2014	09.00	05/02/2014	19.11	Replacement Broken Insulator & Tightening of N & B.
400/220 KV 300 MVA ICT-I @ Koradi	05/02/2014	10.01	05/02/2014	18.38	Erection of Bus Post Insulator & Dismanteling of Copper Bus in 220KV S/Y OF ICT-I.
Karad - Kolhapur - II	05/02/2014	12.19		Continued.	Replacement of Insulator String & Loc 253-259.(REC @ 18.5 Hrs)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Pusad-Nanded	05/12/2013	06.03		Continued.	220KV Ghatodi S/S LILO Work.
Ghodbandar - Bhoisor (MSETCL)	07/12/2013	10.38		Continued.	MUMBAI STRENGTENING WORK
Butibori MIDC - VIPL - I	29/01/2014	11.37		Continued.	Removing Metering Connection From Existing Summation Meter Module for VIPL-I & II.
Borivali - Bhandup (GIS)	05/02/2014	06.26	05/02/2014	09.00	Replacement of Jumper
Pedambe - Oni	05/02/2014	10.00	05/02/2014	17.10	Insulator Washing.
Borivali - Ghodbandar - II	05/02/2014	10.14		Continued.	Tower Erection of Loc.8 & M/C Stringing.
Nagothane-PASCO	05/02/2014	10.40	05/02/2014	14.53	Relay Retrofitting.
220/100 KV,100 MVA ICT-I @ Tambati	05/02/2014	11.00	05/02/2014	18.15	SFRA & Tan Delta.
Pench-Kanhan	05/02/2014	13.50	05/02/2014	17.14	Tan Delta & R.M.Work @ Kanhan.
Bhusawal-Chalishaon-I	05/02/2014	14.28	05/02/2014	17.05	To Attend Y & B Ph.CT Oil Leakage.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 315 MVA ICT-I @ Dhule	05/02/2014	18.18	05/02/2014	20.30	Attending Problem of Fire Detector Trip on Y Ph. Unit of CTR.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	04/02/2014	18.05	05/02/2014	06.44	Over Voltage.
Lonikand-Stage4	04/02/2014	21.41	05/02/2014	07.43	Over Voltage.
Karad-Jaigad I	04/02/2014	21.52	05/02/2014	06.51	Over Voltage.
Karad-Jaigad I	05/02/2014	16.45		Continued.	Over Voltage.
Dabhol-Nagothane - II	05/02/2014	17.37		Continued.	Over Voltage.
Bhusawal- Aurangabad	05/02/2014	17.42		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Feb/2014

Position as on 6.30 Hrs of 06/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
New Koyna - Dabhol - I	06/02/2014	00.02		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	06/01/2014	19.47		Continued.	Paras-Chikhali line O/L
Chikhali - Jalna - I	06/01/2014	19.47		Continued.	Paras-Chikhali O/L
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Mansar - Pench	11/01/2014	19:17		Continued.	Completion of Khaperkheda-Kanhan Outage and Withdeawal of Pench Suport.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	31/01/2014	21.49	05/02/2014	10.13	over voltage
New Koyna-Karad-II	05/02/2014	09.50	05/02/2014	11.10	While Shifting Karad - 2 on TBC.
Bus - II @ New Koyna	05/02/2014	09.50	05/02/2014	10.26	While Taking Karad-II on TBC Due to Pole Discripancy.
New Koyna - Dabhol - II	05/02/2014	09.50	05/02/2014	12.08	While Taking Karad-II on TBC Due to Pole Discripancy.
New Koyna - Jaigad - II	05/02/2014	09.50	05/02/2014	10.43	While Shifting Karad - 2 on TBC.
Bus Coupler @ New Koyna	05/02/2014	09.50	05/02/2014	10.26	While Shifting Karad - 2 on TBC.
New Koyna - Koyna Stage IV - II	05/02/2014	09.50	05/02/2014	14.12	While Shifting Karad - 2 on TBC.
400/220 KV Spare ICT @ New Koyna	05/02/2014	09.50	05/02/2014	11.38	While Shifting Karad - 2 on TBC.
400/220KV, 315MVA ICT-I @ New Koyna.	05/02/2014	09.50	05/02/2014	10.43	While Shifting Karad - 2 on TBC.
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Feb/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	148
Unit 6	210	0
Unit 7	210	141
	620	289
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	457
Unit 5	500	301
	1420	1078
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	158
Unit 6	250	190
Unit 7	250	182
	1130	690
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	160
Unit 4	210	190
Unit 5	500	0
Unit 6	500	400
Unit 7	500	350
	2340	1240
Paras		
Unit 3	250	230
Unit 4	250	0
	500	230
Khaparkheda		
Unit 1	210	168
Unit 2	210	121
Unit 3	210	172
Unit 4	210	182
Unit 5	500	374
	1340	1017
Nasik		
Unit 3	210	180
Unit 4	210	190
Unit 5	210	190
	630	560
Uran		
All Units	852	320
	852	320
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	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	3
BHIRA T.R.	80	0
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	13
GHATGHAR	250	0
	611	144
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	750
WARDHA	405	120
Adani	1980	1851
Other CPPs	300	245
	3885	2966
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	6440
	3455	6440