



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Feb/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Feb/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.870	2057.155	1) Gujrat	3.626	100.032
2) Hydro	17.832	277.490	2) Madhya Pradesh	15.275	288.571
3) Gas	4.252	106.314	3) Chattisgarh	8.170	150.680
Total MSGENCO	144.954	2440.959	4) Maharashtra Net	84.584	1450.271
B) 1) JSW JAIGAD	19.123	322.271	(Incl. 765kV Solapur-Raichur)	-0.125	-8.982
2) WPCL	4.328	48.655	5) Goa	-5.108	-94.806
3) ADANI	19.370	572.320	6) TAPS 1&2 Injection	7.538	116.819
4) Other CPP / IPP	23.321	289.978	7) RGPPL Injection	0.000	0.000
5) Wind Generation	7.031	100.243	8) Pench (Excess)	-0.688	-7.012
6) PENCH (MS)	0.688	7.064			
7) SOLAR	1.288	18.335	# Total Cent. Sector	113.397	2004.555
C) 1) TPCL Thermal	14.546	250.276	F) Other Exchanges		
2) TPCL Hydro	3.999	59.393	1) With TPCL (Excess)	-15.203	-286.614
TOTAL TPCL	18.545	309.669	G) Bilateral Power *		
3) REL Thermal	11.681	197.866	1) MSEDCL Bilateral	17.527	254.347
D) STATE			Include PX	0.173	-2.508
1) Thermal (A1+C1+C3)	149.097	2505.297	2) MUMBAI Bilateral	14.418	238.637
2) Hydro (A2+B6+C2)	22.519	343.947	Include PX	1.475	88.724
3) Gas (A3)	4.252	106.314	3) MUMBAI Schedule	14.418	244.157
4) Wind (B5)	7.031	100.243	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	66.142	680.274	1) MSEDCL	318.297	5517.766
6) SOLAR (B7)	1.288	18.335	2) TPCL	29.795	512.243
TOTAL STATE	250.329	3754.410	3) REL	15.632	281.891
			TOTAL STATE	363.724	6311.900

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5265	5207	4756
MSGENCO Hydro	1879	1752	134
MSGENCO Gas	152	205	153
MSGENCO Total Generation	7296	7164	5043
Central Sector Receipt	5113	5023	3786
WIND	204	85	304
CPP / IPP	2602	2611	2664
SOLAR	195	78	0
Exchange with Mumbai	-890	-843	-311
MSEDCL DEMAND MET	14560	14158	11513
Load Shedding	1068	567	114
MSEDCL DEMAND	15628	14725	11627
TPCL GENERATION	968	910	494
R-INFRA GENERATION	522	520	401
TPCL+R-INFRA DEMAND	2380	2273	1206
STATE DEMAND MET	16940	16431	12719
STATE DEMAND	18008	16998	12833
Frequency (Hz)	50.08	50.04	50.16

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 04:58 Hrs	49.72 Hz at 07:06 Hrs	50.07	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 17/Feb/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	44.42	0	0	0
Unit 6	3.89	11.81	179	147	160
Unit 7	3.60	58.41	175	135	153
Total	7.49	114.64			313
Bhusawal					
Unit 2	3.25	58.82	145	130	145
Unit 3	3.32	64.31	155	125	160
Unit 4	8.76	155.94	430	330	500
Unit 5	8.13	111.19	370	295	344
Total	23.46	390.26			1149
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.16	44.10	72	0	0
Unit 5	3.97	64.80	178	158	165
Unit 6	5.24	87.45	250	180	180
Unit 7	5.28	82.98	247	186	190
Total	14.64	279.32			535
Chandrapur					
Unit 1	3.07	55.75	136	120	126
Unit 2	0.00	0.00	0	0	0
Unit 3	4.23	71.78	191	165	175
Unit 4	4.69	77.98	210	167	198
Unit 5	0.00	0.00	0	0	0
Unit 6	9.81	140.11	455	351	406
Unit 7	9.05	138.30	397	339	360
Total	30.85	483.91			1265
Paras					
Unit 3	5.21	88.66	248	182	230
Unit 4	5.37	77.32	254	198	230
Total	10.59	165.98			460
Khaparkheda					
Unit 1	3.99	69.99	185	145	180
Unit 2	3.82	61.65	180	145	180
Unit 3	4.54	74.38	200	170	190
Unit 4	3.93	74.42	182	147	190
Unit 5	10.88	180.71	500	380	500
Total	27.16	461.16			1240
Nasik					
Unit 3	0.00	36.66	0	0	0
Unit 4	4.37	60.91	195	170	190
Unit 5	4.30	64.31	194	170	190
Total	8.67	161.89			380
Uran					
All Units	4.25	106.31	324	0	160
Total	4.25	106.31			160
PENCH (MS)					
Pench (MS)	0.69	7.06	46	0	0
Total	0.69	7.06			0
Koyna					
Stage 1-2	4.04	56.84	440	40	450
Stage 4	6.50	103.47	986	0	250
Stage 3	2.33	34.43	320	0	320
Kovna 12&4 Total	10.54	160.32			700

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	12.87	194.74			1020
Hydro					
KDPH	0.60	10.32	38	18	31
VTRNA	0.00	0.00	0	0	0
TILLARI	0.40	6.76	63	0	63
BHTGR/VEER	0.05	1.01	3	2	2
BHIRA T.R.	0.08	1.41	40	0	41
RNGR+BHTSA	0.29	5.86	15	0	14
BHANDARDRA	0.00	0.14	0	0	0
ELDARY	0.00	5.34	0	0	0
SMLHY PTN	1.23	17.02	59	48	13
GHATGHAR	2.32	34.88	240	0	0
Total	4.96	82.75			164
Wind					
MalharPeth	0.26	3.56			
Vankuswadi	0.50	6.34			
ATIT	0.05	1.14			
Kale	0.21	2.18			
Satara	2.60	27.00			
Shirala	0.24	2.45			
K Mahankal	0.02	0.72			
Supa	0.14	1.64			
Vita	1.28	14.66			
Dondaicha	0.82	27.18			
Sakri	0.10	4.00			
Nandurbar	0.07	2.50			
Khandke	0.48	3.43			
Khaparale	0.26	3.43			
Total	7.03	100.24			
CPP					
JSW JAIGAD	19.12	322.27	899	686	824
WARDHA	4.33	48.66	184	172	180
Adani	19.37	572.32	1230	590	1234
Other CPPs	23.32	289.98			465
Total	66.14	1233.22			2703
SOLAR					
Total	1.29	18.34			
Total	1.29	18.34			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.09	174.76	501	313	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.83	48.22	132	114	120
Trombay 7B	1.62	27.30	72	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.00	59.39	412	0	447
Total	18.54	309.67			1127
REL					
1&2	11.68	197.87	526	401	500
Total	11.68	197.87			500
Cent Sect					
Share					5120
Total					5120
MS PG CL	Thermal	122.87	2057.16		5342
	Thml+Gas	127.12	2163.47		5502
	Hydro	17.83	277.49		1184
	Total	144.95	2440.96		6686
State Total		250.33	3754.41		16136

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	4757	144	153	5054	258	2804	0	4075	4483	-467	-484	12142	114	12256	1382	13638	50.20
2	4770	139	153	5062	257	2659	0	3989	4139	-378	-401	11743	114	11857	1298	13155	50.15
3	4756	134	153	5043	304	2664	0	3976	3786	-366	-311	11513	114	11627	1206	12833	50.16
4	4789	144	153	5086	336	2633	0	3969	4198	-357	-276	12010	114	12124	1173	13297	50.16
5	4789	129	163	5081	361	2632	0	4132	4389	-370	-299	12204	114	12318	1196	13514	50.07
6	4949	129	163	5241	402	2651	0	4676	4519	-416	-371	12470	138	12608	1316	13924	50.07
7	5118	506	163	5787	464	2957	1	4815	4896	-537	-400	13732	491	14223	1528	15751	49.94
8	5316	684	164	6164	446	3200	16	4814	4626	-541	-421	14064	768	14832	1684	16516	49.99
9	5279	893	164	6336	485	3284	63	4776	4776	-625	-447	14537	1077	15614	1895	17509	49.97
10	5361	919	160	6440	609	3263	116	4887	4795	-724	-499	14751	805	15556	2100	17656	50.00
11	5372	933	159	6464	553	3259	157	5001	4993	-768	-762	14691	822	15513	2362	17875	50.12
12	5299	1403	157	6859	424	2846	176	5021	5217	-792	-873	14673	934	15607	2388	17995	50.12
13	5265	1879	152	7296	204	2602	195	4975	5113	-749	-890	14560	1068	15628	2380	18008	50.08
14	5258	1713	149	7120	127	2630	168	4913	5162	-685	-812	14422	932	15354	2280	17634	50.05
15	5196	1848	173	7217	77	2628	154	4990	5015	-671	-670	14461	698	15159	2290	17449	49.99
16	5227	1784	214	7225	66	2596	130	5142	5268	-665	-671	14660	593	15253	2276	17529	50.02
17	5207	1752	205	7164	85	2611	78	4935	5023	-673	-843	14158	567	14725	2273	16998	50.04
18	5160	1002	0	6162	103	2625	32	4722	4794	-638	-1112	12650	634	13284	2249	15533	50.11
19	5261	270	76	5607	171	2666	2	4799	4840	-717	-858	12471	278	12749	2258	15007	49.92
20	5325	750	183	6258	221	2658	0	4893	5086	-793	-719	13530	223	13753	2321	16074	50.04
21	5277	277	226	5780	288	2670	0	4639	4840	-782	-781	12817	153	12970	2258	15228	50.10
22	5252	149	323	5724	263	2677	0	4556	4165	-671	-875	11954	121	12075	1989	14064	50.19
23	5013	123	322	5458	244	2490	0	4471	4544	-560	-744	11992	95	12087	1738	13825	50.05
24	4874	128	324	5326	283	2437	0	4081	4730	-474	-684	12092	79	12171	1589	13760	50.14
MUs	122.87	17.83	4.25	144.95	7.03	66.14	1.29	111.25	113.40	-14.42	-15.20	318.30	11.05	329.34	45.43	374.77	50.07

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 17/Feb/2014

Position as on 6.30 Hrs of 18/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.	
Chandrapur Unit 2	210	14/01/2014	12.38		Continued.	AOH	
Koyna Unit 2	75	10/02/2014	12.10		Continued.	Pressure Shaft work	01/03/2014
Koyna Unit 1	75	10/02/2014	12.25		Continued.	Pressure Shaft work	01/03/2014
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.	
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.	
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 WPCL U-4	135	12/02/2014	16.53		Continued.	Asp Prob.	
Nasik Unit 3	210	12/02/2014	18.50		Continued.	UAT Tripped.	
Koradi Unit 5	200	14/02/2014	01.53		Continued.	I D Fan.	
Parli Unit 4	210	15/02/2014	08.11	17/02/2014	20.20	PRDS heavy line leakage.	
Uran Unit 5	108	15/02/2014	10.56		Continued.	Gas Shortage.	
CPP Adani U1	660	15/02/2014	20.59		Continued.	Turbine Problem.	
CPP Adani U-2	660	17/02/2014	11.25		Continued.	Boiler Tube Leakage	
Uran Unit 6	108	17/02/2014	17.06	17/02/2014	18.12	Gas Skid Problem	
Uran Unit A0	120	17/02/2014	17.06	17/02/2014	19.10	Gas Skid Problem	
Uran Unit 5	108	17/02/2014	17.06	17/02/2014	19.36	Gas Skid Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Feb/2014

Position as on 6.30 Hrs of 18/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Voltage Level : 400KV			Outage Type HAND TRIPPED		
A'bad-Talegaon PG-1	01/02/2014	08.15	17/02/2014	15.43	Outage on Akola-A'bad II
Kolhapur - Mapusa - I	16/02/2014	16.15		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	16/02/2014	21.08	17/02/2014	06.57	Over Voltage.
Dhule-Sar'Sarovar - II	17/02/2014	22.02		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Talegaon PG - Aurangabad - II	14/02/2014	07.50		Continued.	Stringing Work.
Main BKR Ckt.II at A'bad	16/02/2014	20.45	17/02/2014	13.48	To attend Main Bkr problem at A'bad.
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 STRENGTHENING WORK
Borivali - Ghodbandar - II	05/02/2014	10.14		Continued.	Tower Erection of Loc.8 & M/C Stringing.
220/110 KV 200 MVA T/F - I @ Mudsinghi	17/02/2014	09.40	17/02/2014	16.02	Tan Delta Measurement
Peth-Nigde	17/02/2014	09.43	17/02/2014	12.17	Hot Spot
Warora - Rly TSS - II	17/02/2014	10.26	17/02/2014	13.36	Replacement of LA
220/132KV 200 MVA ICT-II @ Amravati	17/02/2014	10.26	17/02/2014	14.46	Replacement of 132KV 29A & 29D Isolator
Dhamangaon - Badnera	17/02/2014	11.30	17/02/2014	19.12	Measurement of Tan Delta of CT
Hinganghat - Rly TSS - I	17/02/2014	11.33	17/02/2014	17.17	Measurement of Tan Delta of CT
Pedambe - Mahad	17/02/2014	11.35	17/02/2014	19.00	Maintenance work
Main Bus - II Talangde	17/02/2014	11.46	17/02/2014	18.20	Bay Testing
220/132 KV 200 MVA ICT-II @ Kalmeshwar	17/02/2014	12.01	17/02/2014	14.08	Oil leakage
220/110KV, 200MVA T/F-III at Mudshingi	17/02/2014	16.20	17/02/2014	19.50	Tan Delta Measurement
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Lonikand- Koyna Stage IV	17/02/2014	13.10	17/02/2014	14.27	Testing work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol - Nagothane - I	05/02/2014	17.37		Continued.	Over Voltage.
New Koyna - Dabhol - I	06/02/2014	00.02		Continued.	Over Voltage.(RFC 20.35 Hrs on 16.02.14)
Bhusawal - Deepnagar - II	10/02/2014	16.57		Continued.	Gas Pressure Problem in Tie Bay,RFC 19.00 Hrs on 14.02.14
Karad - Kolhapur - II	16/02/2014	16.10	17/02/2014	07.18	Over Voltage.
Karad-Jaigad I	16/02/2014	16.55	17/02/2014	09.22	Over Voltage.
Bhusawal- Aurangabad	16/02/2014	21.10	17/02/2014	07.17	Over Voltage.
Lonikand- Koyna Stage IV	16/02/2014	22.02	17/02/2014	07.33	Over Voltage
Karad - Kolhapur - II	17/02/2014	16.34		Continued.	Over Voltage
Karad-Jaigad I	17/02/2014	16.39		Continued.	Over Voltage
Bhusawal- Aurangabad	17/02/2014	17.12		Continued.	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Feb/2014

Position as on 6.30 Hrs of 18/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Warora - Tiroda - II	17/02/2014	21.29		Continued.	Over Voltage
Lonikand- Koyna Stage IV	17/02/2014	21.34		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	10/02/2014	19.10		Continued.	To avoid O/L Paras-Chikhali line
Voltage Level : 400KV			Outage Type TRIPPED		
Aurangabad PG-Akola	17/02/2014	01.00	17/02/2014	02.38	Dist Prot Z-I.
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 18/Feb/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	170
Unit 7	210	170
	620	340
Bhusawal		
Unit 2	210	145
Unit 3	210	160
Unit 4	500	500
Unit 5	500	344
	1420	1149
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	156
Unit 6	250	170
Unit 7	250	184
	1130	670
Chandrapur		
Unit 1	210	120
Unit 2	210	0
Unit 3	210	160
Unit 4	210	200
Unit 5	500	0
Unit 6	500	370
Unit 7	500	370
	2340	1220
Paras		
Unit 3	250	190
Unit 4	250	230
	500	420
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	195
Unit 4	210	190
Unit 5	500	500
	1340	1245
Nasik		
Unit 3	210	0
Unit 4	210	190
Unit 5	210	190
	630	380
Uran		
All Units	852	320
	852	320
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	450
Stage 4	1000	250
Stage 3	320	320
	1920	1020
Hydro		
KDPH	40	31
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	7
BHIRA T.R.	80	41
RNGR+BHTSA	20	7
BHANDARDRA	45	7
ELDARY	23	
SMLHY PTN	12	8
GHATGHAR	250	
	611	164
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	95
Adani	1980	617
Other CPPs	300	465
	3885	2002
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	4983
	3455	4983