



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Feb/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Feb/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.394	1461.669	1) Gujrat	9.602	83.465
2) Hydro	18.756	210.303	2) Madhya Pradesh	16.635	201.716
3) Gas	7.735	80.122	3) Chattisgarh	8.720	106.210
Total MSGENCO	138.885	1752.094	4) Maharashtra Net	86.798	1038.292
B) 1) JSW JAIGAD	19.360	231.257	(Incl. 765kV Solapur-Raichur)	0.550	-3.978
2) WPCL	1.791	27.649	5) Goa	-5.864	-67.425
3) ADANI	42.830	401.120	6) TAPS 1&2 Injection	7.546	79.127
4) Other CPP / IPP	15.565	203.106	7) RGPPL Injection	0.000	0.000
5) Wind Generation	5.542	60.747	8) Pench (Excess)	-0.382	-5.344
6) PENCH (MS)	0.382	5.396	# Total Cent. Sector	123.055	1436.041
7) SOLAR	1.155	13.575	F) Other Exchanges		
C) 1) TPCL Thermal	15.228	179.335	1) With TPCL (Excess)	-15.977	-207.238
2) TPCL Hydro	3.648	45.706	G) Bilateral Power *		
TOTAL TPCL	18.876	225.041	1) MSEDCL Bilateral	16.511	179.257
3) REL Thermal	11.711	139.864	Include PX	0.144	0.669
D) STATE			2) MUMBAI Bilateral	12.669	176.353
1) Thermal (A1+C1+C3)	139.333	1780.868	Include PX	5.250	80.330
2) Hydro (A2+B6+C2)	22.786	261.405	3) MUMBAI Schedule	13.577	179.476
3) Gas (A3)	7.735	80.122	H) ENERGY CATERED (MUs)		
4) Wind (B5)	5.542	60.747	1) MSEDCL	332.588	3923.747
5) CPP/IPP (B1+B2+B3+B4)	79.546	504.842	2) TPCL	30.199	368.413
6) SOLAR (B7)	1.155	13.575	3) REL	16.364	203.723
TOTAL STATE	256.097	2701.559	TOTAL STATE	379.151	4495.883

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5007	4542	4495
MSGENCO Hydro	2036	1175	145
MSGENCO Gas	320	311	328
MSGENCO Total Generation	7363	6028	4968
Central Sector Receipt	5330	5801	4662
WIND	216	264	211
CPP / IPP	3410	3376	3071
SOLAR	168	75	0
Exchange with Mumbai	-832	-912	-371
MSEDCL DEMAND MET	15678	14645	12541
Load Shedding	995	551	16
MSEDCL DEMAND	16673	15196	12557
TPCL GENERATION	1081	843	496
R-INFRA GENERATION	526	526	400
TPCL+R-INFRA DEMAND	2439	2281	1267
STATE DEMAND MET	18117	16926	13808
STATE DEMAND	19112	17477	13824
Frequency (Hz)	50.00	49.94	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 21.48 Hrs	49.7 Hz at 06.35 Hrs	50	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 12/Feb/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.44	40.86	154	130	140
Unit 6	0.00	0.00	0	0	0
Unit 7	3.59	43.22	160	130	150
Total	7.03	84.07			290
Bhusawal					
Unit 2	3.34	41.83	140	135	140
Unit 3	3.96	46.17	175	140	170
Unit 4	8.00	110.46	410	295	500
Unit 5	8.12	73.21	370	305	333
Total	23.42	271.67			1143
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.89	34.07	186	140	166
Unit 5	4.00	45.04	180	152	155
Unit 6	5.16	61.36	250	180	178
Unit 7	5.10	60.22	250	171	175
Total	18.15	200.68			674
Chandrapur					
Unit 1	3.36	39.51	144	135	140
Unit 2	0.00	0.00	0	0	0
Unit 3	4.24	50.31	187	155	190
Unit 4	4.11	55.13	200	139	160
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	101.83	0	0	0
Unit 7	5.60	101.15	419	0	425
Total	17.30	347.92			915
Paras					
Unit 3	4.99	62.69	226	192	250
Unit 4	4.99	50.39	230	163	250
Total	9.98	113.08			500
Khaparkheda					
Unit 1	4.26	49.43	190	165	166
Unit 2	4.14	42.50	190	150	173
Unit 3	4.53	52.24	197	173	170
Unit 4	4.34	53.42	182	179	180
Unit 5	10.74	127.59	496	380	385
Total	28.01	325.19			1074
Nasik					
Unit 3	0.00	36.66	0	0	0
Unit 4	4.27	39.37	187	172	190
Unit 5	4.24	43.02	186	165	190
Total	8.51	119.05			380
Uran					
All Units	7.74	80.12	337	308	320
Total	7.74	80.12			320
PENCH (MS)					
Pench (MS)	0.38	5.40	52	0	
Total	0.38	5.40			
Koyna					
Stage 1-2	3.10	43.06	375	35	450
Stage 4	7.73	81.00	1115	0	250
Stage 3	2.46	26.94	284	0	320
Kovna 12&4 Total	10.82	124.06			700

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	13.28	151.00			1020
Hydro					
KDPH	0.76	7.19	37	19	31
VTRNA	0.00	0.00	0	0	0
TILLARI	0.39	4.83	63	0	63
BHTGR/VEER	0.06	0.77	3	2	3
BHIRA T.R.	0.18	0.68	41	0	41
RNGR+BHTSA	0.33	4.21	14	13	15
BHANDARDRA	0.00	0.14	0	0	0
ELDARY	0.36	4.28	15	14	15
SMLHY PTN	1.07	11.66	52	41	11
GHATGHAR	2.33	25.53	250	0	0
Total	5.48	59.30			179
Wind					
MalharPeth	0.13	2.47			
Vankuswadi	0.25	3.76			
ATIT	0.02	0.87			
Kale	0.12	1.34			
Satara	1.40	14.78			
Shirala	0.14	1.58			
K Mahankal	0.03	0.53			
Supa	0.08	0.94			
Vita	1.21	8.40			
Dondaicha	1.43	18.23			
Sakri	0.20	2.63			
Nandurbar	0.08	1.66			
Khandke	0.12	1.39			
Khaparale	0.31	2.16			
Total	5.54	60.75			
CPP					
JSW JAIGAD	19.36	231.26	900	686	825
WARDHA	1.79	27.65	93	44	95
Adani	42.83	401.12	1830	1640	1851
Other CPPs	15.56	203.11			245
Total	79.55	863.13			3016
SOLAR					
Total	1.16	13.58			
Total	1.16	13.58			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.56	124.57	503	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.99	35.15	132	114	120
Trombay 7B	1.67	19.61	72	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.65	45.71	466	0	447
Total	18.88	225.04			1127
REL					
1&2	11.71	139.86	527	399	500
Total	11.71	139.86			500
Cent Sect					
Share					5345
Total					5345
MS PG CL	Thermal	112.39	1461.67		4976
	Thml+Gas	120.13	1541.79		5296
	Hydro	18.76	210.30		1199
	Total	138.88	1752.09		6495
State Total		256.10	2701.56		16483

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	4634	144	324	5102	169	3232	0	4458	4579	-362	-400	12682	6	12688	1438	14126	50.19
2	4540	150	325	5015	214	3062	0	4592	4670	-447	-364	12597	16	12613	1321	13934	50.05
3	4495	145	328	4968	211	3071	0	4545	4662	-396	-371	12541	16	12557	1267	13824	50.10
4	4568	145	330	5043	218	3004	0	4525	4907	-377	-337	12835	16	12851	1233	14084	50.06
5	4549	145	328	5022	251	3043	0	4544	4853	-405	-363	12806	16	12822	1260	14082	50.03
6	4613	230	327	5170	264	3137	0	4664	5424	-446	-431	13596	56	13652	1388	15040	49.94
7	4886	180	335	5401	252	3310	0	4743	4909	-441	-327	13595	768	14363	1581	15944	49.84
8	4931	642	337	5910	271	3433	8	4997	5128	-522	-411	14391	1112	15503	1738	17241	50.00
9	4959	1151	329	6439	183	3451	56	4918	5453	-444	-429	15205	1007	16212	1990	18202	49.94
10	5013	1823	321	7157	171	3457	101	5012	5367	-660	-556	15720	755	16475	2251	18726	49.91
11	5030	1926	318	7274	225	3388	143	5202	5370	-749	-729	15698	850	16548	2406	18954	49.84
12	5007	2036	320	7363	216	3410	168	5225	5330	-802	-832	15678	995	16673	2439	19112	50.00
13	4935	1664	316	6915	144	3409	182	5367	5523	-774	-806	15367	1139	16506	2405	18911	49.94
14	4926	1488	312	6726	128	3388	147	5095	5338	-650	-757	14970	1005	15975	2283	18258	49.96
15	4728	1805	309	6842	203	3384	143	5068	5140	-651	-758	14954	717	15671	2290	17961	49.93
16	4536	1956	308	6800	291	3401	107	5272	5314	-682	-772	15141	603	15744	2288	18032	49.88
17	4542	1175	311	6028	264	3376	75	5430	5801	-836	-912	14645	551	15196	2281	17477	49.94
18	4592	339	317	5248	278	3353	25	4959	5013	-589	-1036	12905	499	13404	2276	15680	50.07
19	4594	284	317	5195	232	3417	0	4964	4970	-692	-986	12854	114	12968	2262	15230	50.01
20	4621	604	321	5546	257	3427	0	5121	5395	-777	-798	13867	114	13981	2301	16282	50.07
21	4567	311	323	5201	345	3422	0	4963	5249	-694	-942	13295	59	13354	2217	15571	50.12
22	4564	140	326	5030	302	3381	0	4568	4784	-476	-971	12526	29	12555	2061	14616	50.16
23	4327	142	326	4795	241	3315	0	4511	4804	-411	-903	12252	6	12258	1882	14140	50.03
24	4237	131	327	4695	212	3275	0	4169	5072	-295	-786	12468	6	12474	1706	14180	50.03
MUs	112.39	18.76	7.74	138.88	5.54	79.55	1.16	116.91	123.05	-13.58	-15.98	332.59	10.46	343.04	46.56	389.61	50.00

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 12/Feb/2014

Position as on 6.30 Hrs of 13/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.	
CPP WPCL U-2	135	13/12/2013	13.17	12/02/2014	14.57	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.	
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 WPCL U-3	135	07/02/2014	04.21	13/02/2014	05.10	TO Maintain Schedule.	
Nasik Unit 3	210	11/02/2014	03.00	12/02/2014	15.40	UAT Problem	
Chandrapur Unit 6	500	11/02/2014	15.23		Continued.	Boiler Tube Leakage	
Chandrapur Unit 7	500	12/02/2014	14.26		Continued.	S/W Board Tripped.	
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.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Feb/2014

Position as on 6.30 Hrs of 13/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad - Solapur (PGCIL)	12/02/2014	09.38	13/02/2014	06.34	Q.M.Work.
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		Continued.	Outage on Akola-A'bad II
Kolhapur-Mapusa-II	11/02/2014	16.35	12/02/2014	08.01	Over Voltage
Dhule-Sar'Sarovar - I	12/02/2014	00.38	12/02/2014	05.02	Over Voltage
Akola - Aurangabad - I	12/02/2014	11.44	12/02/2014	12.05	For Taking Line Reactor.
Kolhapur - Mapusa - I	12/02/2014	16.35		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	12/02/2014	21.25	13/02/2014	06.19	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
New Koyna-Karad-II	12/02/2014	10.51		Continued.	To Attend DC Earth Leakage RFC.
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
Borivali - Ghodbandar - II	05/02/2014	10.14		Continued.	Tower Erection of Loc.8 & M/C Stringing.
Kalwa-Taloja	07/02/2014	12.20		Continued.	erection of loc no 653
Apta-Kalwa	07/02/2014	12.21		Continued.	erection of loc no 653
Kalmeshwar-Kaparkheda	12/02/2014	07.08	12/02/2014	16.36	Stringing Work of 400KV Koradi-Wardha(PG) Line.
Kalmeshwar-Ambazari	12/02/2014	07.15	12/02/2014	15.52	Stringing Work of 400KV Koradi-Wardha(PG) Line.
Nivali-Pawas	12/02/2014	09.07	12/02/2014	18.17	Cold Washing Of Insulators & DIAG Testing.
Bale-Lamboti II	12/02/2014	09.48	12/02/2014	12.44	Relay Testing & Tanelta Of Ct.
Parly - New Parly TPS - I	12/02/2014	10.05	12/02/2014	17.54	Q.M., Hot Spot Attendinf Work.
Uran - HOCL	12/02/2014	10.36	12/02/2014	15.05	To Attend Hot Spot & CT Leakage.
Bale - Tuljapur	12/02/2014	13.00	12/02/2014	15.35	Tendelta Of CT & QM Work.
Bus Section - I @ Tulzapur	12/02/2014	13.01	12/02/2014	15.35	Measurment of Tan Delta of CT.
Bus Section - II @ Tuljapur	12/02/2014	15.57	12/02/2014	17.37	Measurment of Tan Delta of CT.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV,500MVA ICT-III At Kalwa.	12/02/2014	06.00	12/02/2014	09.12	Hot Spot
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.
Bhusawal - Deepnagar - II	10/02/2014	16.57		Continued.	Gas Pressure Problem in Tie Bay
Karad-Jaigad I	11/02/2014	16.41	12/02/2014	07.13	Over Voltage
Bhusawal- Aurangabad	11/02/2014	17.52	12/02/2014	08.41	Over Voltage
Karad - Kolhapur - II	11/02/2014	18.01	12/02/2014	07.19	Over Voltage
Lonikand- Koyna Stage IV	11/02/2014	22.12	12/02/2014	07.19	Over Voltage
80 MVAR Reactor @	12/02/2014	10.51		Continued.	To Control B/V.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Feb/2014

Position as on 6.30 Hrs of 13/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Aurangabad (PG)					
Karad-Kolhapur-II	12/02/2014	16.05		Continued.	Over Voltage.
Karad-Jaigad I	12/02/2014	16.40		Continued.	Over Voltage.
Bhusawal- Aurangabad	12/02/2014	17.39	13/02/2014	06.52	Over Voltage.
Lonikand- Koyna Stage IV	12/02/2014	22.00		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	10/02/2014	19.10		Continued.	To avoid O/L Paras-Chikhali line
Chikhali - Jalna - II	10/02/2014	19.10		Continued.	To avoid O/L Paras-Chikhali line
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 : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Satara MIDC-Vankushwadi-I	12/02/2014	17.10	12/02/2014	21.15	R-PH LA BurstAt Satara End.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Feb/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	0
Unit 7	210	140
	620	280
Bhusawal		
Unit 2	210	140
Unit 3	210	170
Unit 4	500	360
Unit 5	500	344
	1420	1014
Parli		
Unit 3	210	0
Unit 4	210	190
Unit 5	210	163
Unit 6	250	180
Unit 7	250	171
	1130	704
Chandrapur		
Unit 1	210	150
Unit 2	210	0
Unit 3	210	190
Unit 4	210	200
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	540
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
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	330
	852	330
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	4
BHIRA T.R.	80	41
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	0
GHATGHAR	250	0
	611	169
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	765
WARDHA	405	180
Adani	1980	1851
Other CPPs	300	245
	3885	3041
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	5183
	3455	5183