



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Mar/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.706	1410.540	1) Gujrat	-2.082	-47.319
2) Hydro	19.020	122.312	2) Madhya Pradesh	20.580	218.934
3) Gas	6.925	78.189	3) Chattisgarh	10.440	104.350
Total MSGENCO	147.651	1611.041	4) Maharashtra Net	72.708	870.184
B) 1) JSW JAIGAD	14.255	205.738	(Incl. 765kV Solapur-Raichur)	-0.628	-14.515
2) WPCL	4.056	51.502	5) Goa	-6.895	-71.825
3) ADANI	28.173	350.161	6) TAPS 1&2 Injection	7.456	89.860
4) Other CPP / IPP	18.133	197.580	7) RGPPL Injection	0.000	0.000
5) Wind Generation	1.669	62.146	8) Pench (Excess)	-0.286	-2.350
6) PENCH (MS)	0.286	2.350			
7) SOLAR	1.067	11.924	# Total Cent. Sector	101.921	1161.834
C) 1) TPCL Thermal	14.914	174.408	F) Other Exchanges		
2) TPCL Hydro	4.369	33.670	1) With TPCL (Excess)	-23.756	-257.209
TOTAL TPCL	19.283	208.078	G) Bilateral Power *		
3) REL Thermal	11.710	136.023	1) MSEDCL Bilateral	4.276	126.806
D) STATE			Include PX	-12.679	-64.886
1) Thermal (A1+C1+C3)	148.330	1720.971	2) MUMBAI Bilateral	20.160	220.277
2) Hydro (A2+B6+C2)	23.675	158.332	Include PX	7.382	58.780
3) Gas (A3)	6.925	78.189	3) MUMBAI Schedule	20.160	220.303
4) Wind (B5)	1.669	62.146	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	64.617	482.993	1) MSEDCL	293.455	3397.067
6) SOLAR (B7)	1.067	11.924	2) TPCL	35.533	388.946
TOTAL STATE	246.283	2514.555	3) REL	19.215	212.339
			TOTAL STATE	348.203	3998.352

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	5521	5133	4770
MSGENCO Hydro	1252	1052	139
MSGENCO Gas	282	295	276
MSGENCO Total Generation	7055	6480	5185
Central Sector Receipt	4576	4947	3611
WIND	40	50	37
CPP / IPP	2716	2649	2667
SOLAR	138	62	0
Exchange with Mumbai	-1190	-1233	-678
MSEDCL DEMAND MET	13356	12955	10822
Load Shedding	122	287	52
MSEDCL DEMAND	13478	13242	10874
TPCL GENERATION	1063	966	495
R-INFRA GENERATION	521	523	392
TPCL+R-INFRA DEMAND	2774	2722	1565
STATE DEMAND MET	16130	15677	12387
STATE DEMAND	16252	15964	12439
Frequency (Hz)	49.95	49.91	50.11

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 00.01 Hrs	49.28 Hz at 19.25 Hrs	50.01	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/Mar/2014

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	3.27	39.23	157	119	135
Unit 7	3.64	40.84	170	130	155
Total	6.91	80.08			290
Bhusawal					
Unit 2	3.14	28.02	135	125	140
Unit 3	3.12	37.40	140	120	140
Unit 4	7.85	54.94	500	115	430
Unit 5	7.92	97.02	410	285	376
Total	22.04	217.38			1086
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.00	33.91	183	152	155
Unit 5	0.00	19.00	0	0	0
Unit 6	4.77	54.02	250	180	180
Unit 7	4.74	53.29	250	180	180
Total	13.51	160.22			515
Chandrapur					
Unit 1	3.27	38.14	145	130	140
Unit 2	3.81	35.55	170	145	150
Unit 3	4.13	42.05	181	161	180
Unit 4	4.55	51.49	205	169	210
Unit 5	9.78	85.46	440	354	400
Unit 6	9.06	108.26	405	360	400
Unit 7	6.05	95.13	275	231	280
Total	40.64	456.09			1760
Paras					
Unit 3	0.00	46.32	0	0	0
Unit 4	4.90	59.13	231	174	240
Total	4.90	105.45			240
Khaparkheda					
Unit 1	3.92	43.25	175	135	180
Unit 2	3.23	41.52	155	100	180
Unit 3	4.30	47.62	188	171	195
Unit 4	0.00	9.73	0	0	0
Unit 5	9.71	111.97	468	360	500
Total	21.16	254.09			1055
Nasik					
Unit 3	4.02	35.38	175	150	190
Unit 4	4.30	51.22	195	171	190
Unit 5	4.22	50.64	187	170	190
Total	12.54	137.23			570
Uran					
All Units	6.92	78.19	316	272	280
Total	6.92	78.19			280
PENCH (MS)					
Pench (MS)	0.29	2.35	49	0	
Total	0.29	2.35			
Koyna					
Stage 1-2	3.80	31.38	565	40	600
Stage 4	8.52	25.35	838	0	250
Stage 3	3.05	12.60	256	0	320
Kovna 12&4 Total	12.32	56.73			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	15.38	69.33			1170
Hydro					
KDPH	0.45	6.27	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.40	4.82	64	0	60
BHTGR/VEER	0.00	0.01	0	0	0
BHIRA T.R.	0.14	1.34	41	0	40
RNGR+BHTSA	0.34	3.78	15	14	10
BHANDARDRA	0.34	8.48	32	0	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.87	10.92	37	36	11
GHATGHAR	1.10	17.36	125	0	0
Total	3.64	52.98			169
Wind					
MalharPeth	0.07	2.24			
Vankuswadi	0.15	3.98			
ATIT	0.01	0.37			
Kale	0.04	0.59			
Satara	0.60	15.76			
Shirala	0.03	1.19			
K Mahankal	0.01	0.19			
Supa	0.09	1.47			
Vita	0.50	9.44			
Dondaicha	0.06	16.07			
Sakri	0.01	1.77			
Nandurbar	0.01	1.19			
Khandke	0.07	4.43			
Khaparale	0.02	3.47			
Total	1.67	62.15			
CPP					
JSW JAIGAD	14.26	205.74	768	464	691
WARDHA	4.06	51.50	172	163	170
Adani	28.17	350.16	1200	1080	1234
Other CPPs	18.13	197.58			465
Total	64.62	804.98			2560
SOLAR					
Total	1.07	11.92			
Total	1.07	11.92			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.52	122.15	502	314	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.78	33.07	123	114	120
Trombay 7B	1.61	19.18	70	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.37	33.67	438	0	447
Total	19.28	208.08			1127
REL					
1&2	11.71	136.02	524	392	500
Total	11.71	136.02			500
Cent Sect					
Share					4819
Total					4819
MS PG CL	Thermal	121.71	1410.54		5516
	Thml+Gas	128.63	1488.73		5796
	Hydro	19.02	122.31		1339
	Total	147.65	1611.04		7135
State Total		246.28	2514.56		16141

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/Mar/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	4645	257	272	5174	91	2775	0	3447	4190	-660	-910	11320	84	11404	1797	13201	50.16
2	4735	153	272	5160	80	2694	0	3526	3930	-560	-758	11106	52	11158	1648	12806	50.07
3	4770	139	276	5185	37	2667	0	3536	3611	-515	-678	10822	52	10874	1565	12439	50.11
4	4784	159	276	5219	55	2659	0	3536	4193	-515	-633	11493	52	11545	1522	13067	50.16
5	4848	141	276	5265	60	2710	0	3536	4276	-520	-627	11684	52	11736	1517	13253	50.10
6	5043	176	276	5495	35	2817	0	3887	4382	-534	-713	12016	77	12093	1629	13722	49.99
7	5162	293	276	5731	41	2991	2	4116	4481	-524	-735	12551	140	12691	1813	14504	49.93
8	5207	509	276	5992	41	2953	22	4295	4643	-692	-745	12953	283	13236	1971	15207	50.01
9	5271	613	276	6160	27	2895	57	4378	4391	-748	-808	12771	230	13001	2244	15245	49.94
10	5148	1059	282	6489	30	2852	100	4575	4670	-884	-985	13177	141	13318	2546	15864	49.89
11	5521	1252	282	7055	40	2716	138	4691	4576	-1135	-1190	13356	122	13478	2774	16252	49.95
12	5544	1234	282	7060	39	2672	157	4798	4392	-1200	-1174	13163	151	13314	2814	16128	50.03
13	5349	1061	282	6692	43	2588	152	4588	5002	-1189	-1244	13233	199	13432	2795	16227	50.03
14	5161	1110	283	6554	45	2635	133	4431	4568	-1083	-1138	12797	154	12951	2706	15657	49.93
15	5087	1189	291	6567	40	2621	110	4764	4887	-1065	-1167	13058	111	13169	2732	15901	49.91
16	5060	1280	295	6635	46	2618	99	4762	4666	-1064	-1216	12848	164	13012	2708	15720	49.97
17	5133	1052	295	6480	50	2649	62	4390	4947	-985	-1233	12955	287	13242	2722	15964	49.91
18	5018	985	300	6303	121	2595	32	3769	3588	-961	-1209	11430	337	11767	2675	14442	49.99
19	4992	501	305	5798	98	2682	3	4021	4185	-971	-1188	11618	103	11721	2619	14340	49.89
20	5004	1239	306	6549	124	2591	0	4529	3794	-981	-1214	11866	76	11942	2685	14627	49.90
21	5094	1543	307	6944	121	2614	0	3822	4194	-948	-1151	12744	63	12807	2582	15389	50.11
22	5059	1383	309	6751	164	2545	0	3386	3744	-849	-1100	12111	57	12168	2341	14509	50.01
23	5085	1080	314	6479	105	2538	0	3129	3070	-744	-1018	11174	57	11231	2221	13452	50.02
24	4986	612	316	5914	136	2540	0	3218	3541	-832	-922	11209	57	11266	2123	13389	50.16
MUs	121.7 1	19.02	6.92	147.65	1.67	64.62	1.07	97.13	101.92	-20.16	-23.76	293.46	3.10	296.56	54.75	351.30	50.01

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/Mar/2014

Position as on 6.30 Hrs of 13/Mar/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	
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.	
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-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
Koradi Unit 5	200	23/02/2014	04.04		Continued.	ID Fan Problem.	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
Khaparkheda Unit 4	210	03/03/2014	09.32		Continued.	B.T.L.	
Parli Unit 5	210	06/03/2014	07.06		Continued.	Coal Shortage.	
Paras Unit 3	250	11/03/2014	12.25		Continued.	BTL	
CPP Adani U-2	660	11/03/2014	17.52	13/03/2014	1.54	on hp bypass drainline leakage	

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

Position as on 6.30 Hrs of 13/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
A"Bad - A'Bad (PG)- II	07/03/2014	15.11		Continued.	Outage.(lilo bypass)
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		
765 KV Akola-II - Tiroda - I	07/03/2014	14.50	12/03/2014	19.04	H/T in view of Outage on 400KV Akola-A'bad PG & 400KV A'bad-A'bad PG.
Dhule-Sar'Sarovar - I	11/03/2014	21.27	12/03/2014	6.42	over voltage
Kolhapur - Mapusa - I	11/03/2014	21.28	12/03/2014	8.01	over voltage
Kolhapur-Mapusa-II	12/03/2014	17.11		Continued.	over voltage
Dhule-Sar'Sarovar - I	12/03/2014	22.57		Continued.	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Solapur-Solapur(PGCIL)	26/02/2014	19.39		Continued.	Distance Protection.tower collapse loc 110
Karad - Solapur (PGCIL)	26/02/2014	19.54		Continued.	Distance Protection.
Kolhapur-Solapur(PGCIL)-I	10/03/2014	19.38		Continued.	Dist.Prot,Conductor Snap at 47Kms from Solapur PG at Loc.no.128,129 collapse.2no tower collapse
Kolhapur-Solapur (PG) II	10/03/2014	19.38		Continued.	Dist.Prot,Conductor Snap at 47 Kms.from Solapur PG at Loc no 128,129 collapse.
Voltage Level : 220KV			Outage Type TRIPPED		
Kalmeshwar - Pandurna	12/03/2014	15.18	12/03/2014	15.30	tripped at pandhurna end only
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bus Coupler @ Bhusawal	25/02/2014	10.30		Continued.	For Replacement Of OLD MOCB Under Jaica-2 Outage.
Koradi-Khaparkhedha-I	12/03/2014	10.41	12/03/2014	16.15	cb timing
400/220 KV 315 MVA ICT-II @ Chandrapur	12/03/2014	20.07	12/03/2014	23.01	emergency outage for attending sparking at lv r-ph bushing
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
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.
Babaleshwar - Chalisgaon	06/03/2014	11.42		Continued.	Stringing of 220KV Tapline for Kopergaon S/S Alongwith Erection of MD Tower. (upto 10 th March.)
220/132KV 200MVA ICT - I at Parbhani	12/03/2014	11.15	12/03/2014	14.02	Tan delta measurement of ct.
Theur-Jejuri	12/03/2014	11.28		Continued.	removing old structure of main bus iso.aux.bus iso & 3 nos of ct structure
Main Bus - I @ Vansudwadi	12/03/2014	12.35	12/03/2014	15.32	replacement of bus insu.string
Jejuri-Jejuri I	12/03/2014	8.15	12/03/2014	10.36	hot spot attending work
Pusad - Nanded	12/03/2014	9.42	12/03/2014	16.45	stringing work of lilo line for remaining work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	06/02/2014	00.02		Continued.	Over Voltage.(RFC 20.35 Hrs on 16.02.14)

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

Position as on 6.30 Hrs of 13/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Dabhol-Nagothane - II	28/02/2014	21.35		Continued.	Over Voltage.
Bhusawal- Aurangabad	11/03/2014	18.21	12/03/2014	6.55	over voltage
Karad-Jaigad I	11/03/2014	21.47	12/03/2014	6.43	over voltage
Bhusawal- Aurangabad	12/03/2014	17.46		Continued.	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Babaleshwar	09/03/2014	10.21		Continued.	To control ICT loading at Waluj.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad I	12/03/2014	17.53		Continued.	over voltage
Karad - Kolhapur - II	13/03/2014	4.00	13/03/2014	6.36	over voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Vita - Lamboti	09/03/2014	17.32		Continued.	Dist.Prot.
220/132 KV 200 MVA ICT - I @ Beed	11/03/2014	00.56		Continued.	Diff.Prot.
Parly (Ext.) - Beed - II	11/03/2014	00.56		Continued.	Dist.Prot.
Lonikand-Theur - I	12/03/2014	17.23		Continued.	distance prot.
Lonikand -Theur - II	12/03/2014	17.42		Continued.	distance prot.
220/132KV, 200MVA ICT-I at Theur	12/03/2014	17.42	12/03/2014	18.15	o/c & e/f prot.
220/132 KV 200 MVA ICT - II @ Theur	12/03/2014	17.42	12/03/2014	18.20	hv e/f & backup over current
Theur - Flagship	12/03/2014	19.45	12/03/2014	18.10	tripped

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Mar/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	175
	620	320
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	430
Unit 5	500	376
	1420	1086
Parli		
Unit 3	210	0
Unit 4	210	162
Unit 5	210	0
Unit 6	250	190
Unit 7	250	190
	1130	542
Chandrapur		
Unit 1	210	140
Unit 2	210	160
Unit 3	210	180
Unit 4	210	210
Unit 5	500	450
Unit 6	500	420
Unit 7	500	280
	2340	1840
Paras		
Unit 3	250	0
Unit 4	250	230
	500	230
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	195
Unit 4	210	0
Unit 5	500	500
	1340	1055
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	300
	852	300
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	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	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	550
WARDHA	405	195
Adani	1980	1851
Other CPPs	300	465
	3885	3061
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	4716
	3455	4716