



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Mar/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Mar/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.407	1288.834	1) Gujrat	-4.431	-45.237
2) Hydro	16.051	103.292	2) Madhya Pradesh	19.361	198.354
3) Gas	4.861	71.264	3) Chattisgarh	10.130	93.910
Total MSGENCO	135.319	1463.390	4) Maharashtra Net	71.321	797.476
B) 1) JSW JAIGAD	17.626	191.483	(Incl. 765kV Solapur-Raichur)	-0.770	-13.887
2) WPCL	3.981	47.446	5) Goa	-6.198	-64.930
3) ADANI	33.884	321.988	6) TAPS 1&2 Injection	7.453	82.404
4) Other CPP / IPP	15.275	179.447	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.238	60.477	8) Pench (Excess)	-0.154	-2.064
6) PENCH (MS)	0.154	2.064			
7) SOLAR	1.186	10.857	# Total Cent. Sector	97.482	1059.913
C) 1) TPCL Thermal	14.869	159.494	F) Other Exchanges		
2) TPCL Hydro	3.587	29.301	1) With TPCL (Excess)	-24.027	-233.453
TOTAL TPCL	18.456	188.795	G) Bilateral Power *		
3) REL Thermal	11.338	124.313	1) MSEDCL Bilateral	3.058	122.530
D) STATE			Include PX	-14.002	-52.206
1) Thermal (A1+C1+C3)	140.614	1572.641	2) MUMBAI Bilateral	20.162	200.116
2) Hydro (A2+B6+C2)	19.792	134.657	Include PX	5.999	51.398
3) Gas (A3)	4.861	71.264	3) MUMBAI Schedule	20.162	200.143
4) Wind (B5)	4.238	60.477	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	70.766	452.260	1) MSEDCL	285.118	3103.612
6) SOLAR (B7)	1.186	10.857	2) TPCL	34.878	353.413
TOTAL STATE	241.457	2302.156	3) REL	18.942	193.124
			TOTAL STATE	338.938	3650.149

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4989	4777	4612
MSGENCO Hydro	683	1394	144
MSGENCO Gas	265	150	266
MSGENCO Total Generation	5937	6321	5022
Central Sector Receipt	4661	4752	2927
WIND	92	246	114
CPP / IPP	3214	2757	2948
SOLAR	149	0	0
Exchange with Mumbai	-1141	-1170	-628
MSEDCL DEMAND MET	12929	12922	10383
Load Shedding	57	75	52
MSEDCL DEMAND	12986	12997	10435
TPCL GENERATION	1051	941	495
R-INFRA GENERATION	522	520	390
TPCL+R-INFRA DEMAND	2714	2631	1513
STATE DEMAND MET	15643	15553	11896
STATE DEMAND	15700	15628	11948
Frequency (Hz)	50.06	50.16	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 19:55 Hrs	49.68 Hz at 06:06 Hrs	50.06	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 11/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	3.69	35.96	160	140	155
Unit 7	3.72	37.20	165	145	155
Total	7.41	73.16			310
Bhusawal					
Unit 2	3.22	24.88	140	125	140
Unit 3	3.21	34.28	145	125	140
Unit 4	0.06	47.08	65	0	0
Unit 5	8.18	89.10	400	280	376
Total	14.68	195.34			656
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.79	29.91	166	152	151
Unit 5	0.00	19.00	0	0	0
Unit 6	4.52	49.25	250	166	170
Unit 7	4.40	48.55	240	170	170
Total	12.72	146.71			491
Chandrapur					
Unit 1	3.21	34.87	139	127	140
Unit 2	3.63	31.74	161	146	160
Unit 3	4.02	37.92	182	157	170
Unit 4	4.22	46.95	199	160	210
Unit 5	9.02	75.68	420	345	360
Unit 6	8.81	99.20	400	345	360
Unit 7	7.14	89.08	334	258	360
Total	40.05	415.45			1760
Paras					
Unit 3	2.29	46.32	207	0	230
Unit 4	4.78	54.23	222	183	230
Total	7.07	100.55			460
Khaparkheda					
Unit 1	3.52	39.32	165	120	160
Unit 2	2.90	38.30	145	95	158
Unit 3	4.28	43.32	192	171	155
Unit 4	0.00	9.73	0	0	0
Unit 5	9.31	102.26	468	365	360
Total	20.01	232.93			833
Nasik					
Unit 3	4.16	31.36	180	165	190
Unit 4	4.23	46.92	185	163	190
Unit 5	4.07	46.42	181	127	190
Total	12.47	124.69			570
Uran					
All Units	4.86	71.26	276	43	280
Total	4.86	71.26			280
PENCH (MS)					
Pench (MS)	0.15	2.06	40	0	0
Total	0.15	2.06			0
Koyna					
Stage 1-2	3.80	27.58	575	40	600
Stage 4	6.02	16.83	786	0	250
Stage 3	1.97	9.55	160	0	320
Kovna 12&4 Total	9.82	44.40			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.79	53.95			1170
Hydro					
KDPH	0.45	5.82	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.40	4.42	64	0	60
BHTGR/VEER	0.00	0.01	0	0	0
BHIRA T.R.	0.09	1.20	40	0	40
RNGR+BHTSA	0.34	3.44	15	14	15
BHANDARDRA	0.39	8.14	32	0	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.83	10.05	35	34	16
GHATGHAR	1.76	16.25	250	0	0
Total	4.26	49.34			169
Wind					
MalharPeth	0.14	2.16			
Vankuswadi	0.31	3.84			
ATIT	0.03	0.36			
Kale	0.08	0.55			
Satara	1.01	15.16			
Shirala	0.05	1.16			
K Mahankal	0.01	0.17			
Supa	0.11	1.38			
Vita	0.54	8.94			
Dondaicha	0.97	16.01			
Sakri	0.11	1.76			
Nandurbar	0.09	1.18			
Khandke	0.59	4.36			
Khaparale	0.18	3.45			
Total	4.24	60.48			
CPP					
JSW JAIGAD	17.63	191.48	765	644	691
WARDHA	3.98	47.45	170	155	170
Adani	33.88	321.99	1745	983	1851
Other CPPs	15.28	179.45			465
Total	70.77	740.36			3177
SOLAR					
Total	1.19	10.86			
Total	1.19	10.86			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.52	111.63	504	314	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.75	30.29	115	114	120
Trombay 7B	1.60	17.57	67	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.59	29.30	394	0	447
Total	18.46	188.80			1127
REL					
1&2	11.34	124.31	523	388	500
Total	11.34	124.31			500
Cent Sect					
Share					4879
Total					4879
MS PG CL	Thermal	114.41	1288.83		5080
	Thml+Gas	119.27	1360.10		5360
	Hydro	16.05	103.29		1339
	Total	135.32	1463.39		6699
State Total		241.46	2302.16		16382

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	4799	139	266	5204	92	3008	0	2983	3333	-655	-919	10718	80	10798	1804	12602	50.07
2	4712	144	266	5122	107	2857	0	2975	3266	-631	-752	10600	52	10652	1638	12290	50.08
3	4668	139	266	5073	129	2890	0	2694	3083	-601	-675	10500	52	10552	1557	12109	50.14
4	4612	144	266	5022	114	2948	0	2648	2927	-588	-628	10383	52	10435	1513	11948	50.10
5	4629	296	266	5191	117	3114	0	2645	2773	-586	-632	10563	52	10615	1519	12134	50.03
6	4632	526	265	5423	164	3052	0	3046	3330	-619	-733	11242	59	11301	1623	12924	49.96
7	4699	316	265	5280	181	3233	1	3812	4316	-525	-871	12160	113	12273	1795	14068	49.94
8	4802	211	265	5278	162	3254	14	4143	4500	-553	-918	12311	147	12458	1951	14409	50.04
9	5166	166	264	5596	131	3349	60	4313	4248	-706	-948	12476	218	12694	2218	14912	50.04
10	5267	484	264	6015	113	3361	111	4544	4339	-932	-1049	12914	92	13006	2522	15528	50.02
11	4989	683	265	5937	92	3214	149	4751	4661	-1138	-1141	12929	57	12986	2714	15700	50.06
12	4968	720	272	5960	80	3080	146	4652	4520	-1207	-1149	12637	66	12703	2750	15453	50.10
13	4727	772	270	5769	96	3078	174	4618	4646	-1189	-1203	12560	123	12683	2747	15430	50.06
14	4666	852	43	5561	155	2950	156	4333	4520	-1096	-1092	12250	71	12321	2624	14945	50.04
15	4681	1083	43	5807	179	2858	133	4714	4772	-1065	-1162	12587	59	12646	2645	15291	50.05
16	4701	1385	43	6129	249	2677	124	4576	4488	-1087	-1165	12502	53	12555	2641	15196	50.03
17	4703	1399	43	6145	346	2660	83	4170	4186	-979	-1187	12233	53	12286	2645	14931	50.07
18	4584	1205	43	5832	329	2682	33	3347	3742	-904	-1199	11419	53	11472	2600	14072	50.11
19	4642	1067	87	5796	327	2507	2	3730	4403	-932	-1148	11890	94	11984	2560	14544	50.03
20	4777	1394	150	6321	246	2757	0	4501	4752	-971	-1170	12922	75	12997	2631	15628	50.16
21	4735	1074	175	5984	204	2825	0	4420	4721	-941	-1139	12602	54	12656	2530	15186	50.09
22	4732	807	230	5769	203	2795	0	3910	4034	-832	-1124	11677	54	11731	2363	14094	50.16
23	4739	638	268	5645	286	2804	0	3740	3906	-761	-988	11653	56	11709	2189	13898	50.03
24	4777	407	276	5460	136	2813	0	3621	4016	-664	-1035	11390	56	11446	2042	13488	50.13
MUs	114.41	16.05	4.86	135.32	4.24	70.77	1.19	92.89	97.48	-20.16	-24.03	285.12	1.84	286.96	53.82	340.78	50.06

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 11/Mar/2014

Position as on 6.30 Hrs of 12/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.	
Bhusawal Unit 4	500	09/03/2014	2.59	11/03/2014	23.04	BTL	
Uran Unit A0	120	11/03/2014	12.25	11/03/2014	19.38	roter fault	
Paras Unit 3	250	11/03/2014	12.25		Continued.	BTL	
CPP Adani U-2	660	11/03/2014	17.52		Continued.	on hp bypass drainline leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Mar/2014

Position as on 6.30 Hrs of 12/Mar/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		
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		
Talegaon PG- Aurangabad - II	25/02/2014	22.53	11/03/2014	15.06	Over Voltage,RFC 20.16Hrs on 02.03.14
765 KV Akola-II - Tiroda - I	07/03/2014	14.50		Continued.	H/T in view of Outage on 400KV Akola-A'bad PG & 400KV A'bad-A'bad PG.
Kolhapur-Mapusa-II	10/03/2014	16.22	11/03/2014	9.17	Over Voltage.
Dhule-Sar'Sarovar - II	10/03/2014	23.03	11/03/2014	06.29	Over Voltage.
Kolhapur - Mapusa - II	11/03/2014	16.45	11/03/2014	19.19	over voltage
Dhule-Sar'Sarovar - I	11/03/2014	21.27	12/03/2014	6.42	over voltage
Kolhapur - Mapusa - I	11/03/2014	21.28		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.
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.
400/220 KV 315 MVA ICT-II @ Kharghar	10/03/2014	17.23	11/03/2014	14.32	Taken on own bkr.
400/220 KV 315 MVA ICT @ Khadka	11/03/2014	16.16	11/03/2014	20.02	Attending oil leakage in r-ph ct
400/220 KV 500 MVA ICT-I @ Deepnagar	11/03/2014	9.08	11/03/2014	16.03	work on stn T/f
400/11KV 80 MVA STN.T/F 4B at Deepnagar	11/03/2014	9.10	11/03/2014	16.00	attand hot spot on r phase bus of ct station
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.
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.)
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)
Dabhol-Nagothane - II	28/02/2014	21.35		Continued.	Over Voltage.
Karad-Jaigad I	10/03/2014	16.36	11/03/2014	7.31	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Mar/2014

Position as on 6.30 Hrs of 12/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Bhusawal- Aurangabad	10/03/2014	16.43	11/03/2014	7.26	Over Voltage.
Lonikand- Koyna Stage IV	10/03/2014	22.26	11/03/2014	7.15	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
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 - Kolhapur - I	11/03/2014	02.24	11/03/2014	06.00	Over Voltage.
Karad - Kolhapur - II	11/03/2014	02.24	11/03/2014	06.44	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.
220/132 KV 200 MVA ICT - II @ Beed	11/03/2014	00.56	11/03/2014	01.17	O/C,E/F.
Parly (Ext.) - Beed - II	11/03/2014	00.56		Continued.	Dist.Prot.
Kalwa-Mulund II	11/03/2014	12.26	11/03/2014	13.52	distance prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Parli-Pangri	11/03/2014	00.56	11/03/2014	01.56	B/up Prot Optd.
Beed - Beed	11/03/2014	00.56	11/03/2014	01.18	B/up Prot.Optd.
Beed - Talegaon	11/03/2014	00.56	11/03/2014	01.18	B/up Prot.Optd.
Beed-Gevrai	11/03/2014	00.56	11/03/2014	01.20	B/up Prot.Optd.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Mar/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	155
	620	290
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	155
Unit 5	210	0
Unit 6	250	180
Unit 7	250	180
	1130	515
Chandrapur		
Unit 1	210	140
Unit 2	210	150
Unit 3	210	180
Unit 4	210	210
Unit 5	500	400
Unit 6	500	400
Unit 7	500	280
	2340	1760
Paras		
Unit 3	250	0
Unit 4	250	240
	500	240
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	280
	852	280
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	10
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	11
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	691
WARDHA	405	170
Adani	1980	1234
Other CPPs	300	465
	3885	2560
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	4819
	3455	4819