



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Mar/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Mar/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	109.751	221.753	1) Gujrat	-3.337	-5.835
2) Hydro	11.864	22.724	2) Madhya Pradesh	19.215	38.233
3) Gas	7.001	14.442	3) Chattisgarh	10.190	19.840
Total MSGENCO	128.616	258.919	4) Maharashtra Net	73.144	147.702
B) 1) JSW JAIGAD	18.322	36.123	(Incl. 765kV Solapur-Raichur)	-2.378	-4.414
2) WPCL	4.565	9.045	5) Goa	-5.482	-11.725
3) ADANI	22.097	49.497	6) TAPS 1&2 Injection	7.517	15.004
4) Other CPP / IPP	16.650	33.703	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.345	10.090	8) Pench (Excess)	-0.059	-0.319
6) PENCH (MS)	0.059	0.319	# Total Cent. Sector	101.188	202.900
7) SOLAR	1.225	2.466	F) Other Exchanges		
C) 1) TPCL Thermal	13.903	28.699	1) With TPCL (Excess)	-14.350	-32.781
2) TPCL Hydro	0.568	2.464	G) Bilateral Power *		
TOTAL TPCL	14.471	31.163	1) MSEDCL Bilateral	10.951	22.397
3) REL Thermal	11.194	22.780	Include PX	-4.414	-7.374
D) STATE			2) MUMBAI Bilateral	14.356	33.531
1) Thermal (A1+C1+C3)	134.848	273.232	Include PX	1.356	4.406
2) Hydro (A2+B6+C2)	12.491	25.507	3) MUMBAI Schedule	14.356	33.531
3) Gas (A3)	7.001	14.442	H) ENERGY CATERED (MUs)		
4) Wind (B5)	6.345	10.090	1) MSEDCL	284.717	570.281
5) CPP/IPP (B1+B2+B3+B4)	61.634	100.968	2) TPCL	25.577	55.522
6) SOLAR (B7)	1.225	2.466	3) REL	14.435	31.189
TOTAL STATE	223.544	426.705	TOTAL STATE	324.729	656.992

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	4798	4722	4332
MSGENCO Hydro	795	988	158
MSGENCO Gas	268	270	338
MSGENCO Total Generation	5861	5980	4828
Central Sector Receipt	4854	4503	3137
WIND	302	55	253
CPP / IPP	2531	2651	2766
SOLAR	164	84	0
Exchange with Mumbai	-561	-530	-476
MSEDCL DEMAND MET	13151	12743	10508
Load Shedding	761	512	140
MSEDCL DEMAND	13912	13255	10648
TPCL GENERATION	733	654	497
R-INFRA GENERATION	524	516	394
TPCL+R-INFRA DEMAND	1818	1700	1367
STATE DEMAND MET	14969	14443	11875
STATE DEMAND	15730	14955	12015
Frequency (Hz)	49.96	50.01	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 17.56 Hrs	49.71 Hz at 06.31 Hrs	49.99	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 02/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	2.84	6.05	129	101	130
Unit 7	2.29	5.63	155	0	0
Total	5.14	11.68			130
Bhusawal					
Unit 2	3.27	6.68	150	115	150
Unit 3	3.54	7.20	165	125	160
Unit 4	0.00	0.00	0	0	0
Unit 5	8.56	17.42	380	330	344
Total	15.38	31.30			654
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.87	7.73	175	155	160
Unit 6	4.89	9.76	250	189	191
Unit 7	4.81	9.65	250	188	191
Total	13.57	27.14			542
Chandrapur					
Unit 1	3.18	6.38	138	126	140
Unit 2	3.54	7.16	163	137	150
Unit 3	2.35	2.35	152	6	100
Unit 4	4.29	8.84	201	158	160
Unit 5	0.00	0.00	0	0	0
Unit 6	9.19	18.70	410	360	370
Unit 7	8.98	17.92	400	347	360
Total	31.53	61.34			1280
Paras					
Unit 3	1.75	6.11	220	0	0
Unit 4	5.06	10.45	232	194	250
Total	6.80	16.56			250
Khaparkheda					
Unit 1	3.54	7.02	170	130	180
Unit 2	3.47	6.46	170	125	180
Unit 3	4.10	7.91	190	160	195
Unit 4	4.11	8.08	179	163	180
Unit 5	9.53	19.23	426	349	500
Total	24.75	48.70			1235
Nasik					
Unit 3	4.07	8.07	190	155	190
Unit 4	4.28	8.46	190	167	190
Unit 5	4.24	8.49	199	167	190
Total	12.58	25.02			570
Uran					
All Units	7.00	14.44	339	263	290
Total	7.00	14.44			290
PENCH (MS)					
Pench (MS)	0.06	0.32	33	0	
Total	0.06	0.32			
Koyna					
Stage 1-2	4.17	6.44	510	40	450
Stage 4	2.08	4.52	398	0	250
Stage 3	1.40	2.39	238	0	320
Kovna 12&4 Total	6.25	10.96			700

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.65	13.35			1020
Hydro					
KDPH	0.44	0.89	19	18	19
VTRNA	0.00	0.00	0	0	0
TILLARI	0.40	0.80	64	0	64
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.04	0.27	40	0	40
RNGR+BHTSA	0.36	0.70	15	15	15
BHANDARDRA	0.72	1.44	30	30	15
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.96	1.91	40	39	15
GHATGHAR	1.29	3.36	250	0	0
Total	4.21	9.37			168
Wind					
MalharPeth	0.24	0.44			
Vankuswadi	0.41	0.57			
ATIT	0.04	0.07			
Kale	0.03	0.05			
Satara	2.13	2.69			
Shirala	0.13	0.19			
K Mahankal	0.03	0.05			
Supa	0.28	0.36			
Vita	1.46	2.20			
Dondaicha	0.78	2.12			
Sakri	0.11	0.30			
Nandurbar	0.07	0.21			
Khandke	0.40	0.46			
Khaparale	0.24	0.38			
Total	6.34	10.09			
CPP					
JSW JAIGAD	18.32	36.12	783	700	709
WARDHA	4.56	9.04	193	187	190
Adani	22.10	49.50	1298	758	1228
Other CPPs	16.65	33.70			465
Total	61.63	128.37			2592
SOLAR					
Total	1.22	2.47			
Total	1.22	2.47			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.56	20.02	501	313	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.75	5.50	115	114	120
Trombay 7B	1.59	3.18	68	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.57	2.46	61	0	447
Total	14.47	31.16			1127
REL					
1&2	11.19	22.78	525	392	500
Total	11.19	22.78			500
Cent Sect					
Share					4573
Total					4573
MS PG CL	Thermal	109.75	221.75		4661
	Thml+Gas	116.75	236.20		4951
	Hydro	11.86	22.72		1188
	Total	128.62	258.92		6139
State Total		223.54	426.70		14931

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	4278	198	337	4813	138	2822	0	3544	3344	-626	-498	10619	58	10677	1542	12219	49.91
2	4335	168	338	4841	176	2844	0	3398	3486	-571	-529	10818	119	10937	1423	12360	49.98
3	4332	158	338	4828	253	2766	0	3393	3137	-516	-476	10508	140	10648	1367	12015	50.02
4	4227	143	338	4708	282	2608	0	3364	3618	-488	-434	10782	121	10903	1327	12230	50.02
5	4241	143	338	4722	364	2396	0	3378	3639	-504	-445	10676	135	10811	1338	12149	49.93
6	4262	283	339	4884	421	2465	0	3589	3822	-486	-515	11077	210	11287	1408	12695	49.97
7	4416	148	292	4856	458	2403	0	4222	4309	-463	-551	11475	427	11902	1449	13351	49.92
8	4549	383	290	5222	459	2466	20	4446	4645	-513	-469	12369	819	13188	1506	14694	49.94
9	4595	629	294	5518	462	2467	66	4440	4450	-572	-480	12516	737	13253	1633	14886	49.93
10	4691	1061	286	6038	461	2463	119	4484	4769	-619	-550	13300	539	13839	1753	15592	49.91
11	4674	1008	283	5965	464	2516	147	4628	4733	-688	-589	13236	601	13837	1834	15671	49.97
12	4798	795	268	5861	302	2531	164	4713	4854	-716	-561	13151	761	13912	1818	15730	49.96
13	4695	634	266	5595	105	2431	186	4698	4981	-708	-562	12736	853	13589	1827	15416	49.93
14	4588	792	263	5643	58	2609	164	4617	4845	-671	-519	12800	763	13563	1770	15333	50.00
15	4544	1004	266	5814	44	2591	139	4564	4911	-615	-471	13028	573	13601	1722	15323	50.04
16	4658	1132	266	6056	45	2461	110	4546	4808	-596	-439	13041	529	13570	1680	15250	50.02
17	4722	988	270	5980	55	2651	84	4100	4503	-544	-530	12743	512	13255	1700	14955	50.01
18	4776	307	271	5354	102	2538	25	3616	3695	-510	-790	10924	343	11267	1733	13000	50.11
19	4781	419	273	5473	137	2553	1	3910	4197	-555	-842	11519	61	11580	1792	13372	49.91
20	4764	732	276	5772	194	2566	0	4595	4818	-725	-786	12564	39	12603	2004	14607	49.97
21	4702	275	278	5255	276	2630	0	4329	4422	-722	-774	11809	36	11845	1985	13830	49.99
22	4658	173	280	5111	339	2654	0	3707	3955	-636	-849	11210	31	11241	1929	13170	50.05
23	4708	148	275	5131	365	2626	0	3670	3646	-676	-915	10853	24	10877	1810	12687	50.09
24	4757	143	276	5176	385	2577	0	3833	3601	-636	-776	10963	17	10980	1665	12645	50.08
MUs	109.75	11.86	7.00	128.62	6.34	61.63	1.22	97.78	101.19	-14.36	-14.35	284.72	8.45	293.16	40.02	333.18	49.99

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 02/Mar/2014

Position as on 6.30 Hrs of 03/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	
Koyna Unit 2	75	10/02/2014	12.10	02/03/2014	16.00	Pressure Shaft work	
Koyna Unit 1	75	10/02/2014	12.25	02/03/2014	01.35	Pressure Shaft 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.	
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	
CPP JSW (J) U4	300	22/02/2014	19.30		Continued.	Non Schedule.	
Koradi Unit 5	200	23/02/2014	04.04		Continued.	ID Fan Problem.	
Parli Unit 4	210	25/02/2014	21.06		Continued.	Water Shortage.	
Bhusawal Unit 4	500	28/02/2014	14.32		Continued.	Ash hopper problem.	
Chandrapur Unit 5	500	28/02/2014	18.37		Continued.	BLR T/L.	
Chandrapur Unit 3	210	28/02/2014	20.54	02/03/2014	00.37	Recirculation line leakage.	
Paras Unit 3	250	01/03/2014	20.00	02/03/2014	14.45	PRDS line heavy steam leakage.	
Koradi Unit 7	210	02/03/2014	03.15	02/03/2014	10.55	Flame Failure.	
CPP Adani U-3	660	02/03/2014	04.23		Continued.	Preheater T/L.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Mar/2014

Position as on 6.30 Hrs of 03/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-Talegaon PG-1	01/03/2014	09.39		Continued.	Stringing of 400KV A'bad2-BBL DC line.RFC 20.16Hrs on 02.03.14
Akola - Wardha - I	01/03/2014	09.44	02/03/2014	20.38	For X-ing work of 400KV Amravati-Akola APTCL Span.
Akola - Wardha - II	01/03/2014	09.54	02/03/2014	21.28	For X-ing work of 400KV Amravati-Akola APTCL Span.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Tillary-Amona	02/03/2014	08.40	02/03/2014	18.23	Maint.Work.
Mahalakshmi - Amona	02/03/2014	08.40	02/03/2014	18.20	Maint.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Talegaon PG- Aurangabad - II	25/02/2014	22.53		Continued.	Over Voltage,RFC 20.16Hrs on 02.03.14
Kolhapur - Mapusa - I	01/03/2014	16.34	02/03/2014	08.44	Over Voltage.
Dhule-Sar'Sarovar - II	01/03/2014	22.24	02/03/2014	06.50	Over Voltage.
Kolhapur - Mapusa - I	02/03/2014	16.18		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	02/03/2014	20.55	03/03/2014	05.59	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Solapur-Solapur(PGCIL)	26/02/2014	19.39		Continued.	Distance Protection.
Karad - Solapur (PGCIL)	26/02/2014	19.54		Continued.	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Lonikand Ckt.I Main CB.at Lonikand II	22/02/2014	1032		Continued.	Repl.of CB under Jica II,line taken on TBC up to 27.02.14
Bus Coupler @ Bhusawal	25/02/2014	10.30		Continued.	For Replacement Of OLD MOCB Under Jaica-2 Outage.
Newkoyna - Jaigad - I	01/03/2014	08.21	02/03/2014	09.05	Relay testing.
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.
Trombay-Mulund	02/03/2014	10.10	02/03/2014	18.30	R.M.Work
Chakan- Volkswageon	02/03/2014	10.10	02/03/2014	13.49	CT Oil leakage.
Borivali - Salset - I	02/03/2014	10.15	02/03/2014	17.02	R.M.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)
Dabhol-Nagothane - II	28/02/2014	21.35		Continued.	Over Voltage.
Karad-Kolhapur-II	01/03/2014	16.19	02/03/2014	09.14	Over Voltage.
Lonikand- Koyna Stage IV	01/03/2014	21.25	02/03/2014	07.35	Over Voltage.
Bhusawal- Aurangabad	01/03/2014	21.40	02/03/2014	08.00	Over Voltage.
Karad - Kolhapur - II	02/03/2014	16.06		Continued.	Over Voltage.
Karad-Jaigad I	02/03/2014	16.45		Continued.	Over Voltage.
Bhusawal- Aurangabad	02/03/2014	18.09		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Mar/2014

Position as on 6.30 Hrs of 03/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand- Koyna Stage IV	02/03/2014	21.51		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 300 MVA ICT-I @ Koradi	01/03/2014	19.58		Continued.	NDR.
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Khaperkheda-Purti	23/02/2014	15.46		Continued.	3Normal Towers Bend Near Tatol Due to Stormy Weather.
K'Kheda-Butobori III	23/02/2014	15.46		Continued.	3Normal Towers Bend Near Tatol Due to Stormy Weather.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Mar/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	150
	620	290
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	0
Unit 5	500	366
	1420	666
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	156
Unit 6	250	188
Unit 7	250	189
	1130	533
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	190
Unit 4	210	210
Unit 5	500	0
Unit 6	500	430
Unit 7	500	400
	2340	1530
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	195
Unit 4	210	180
Unit 5	500	500
	1340	1235
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	290
	852	290
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	15
BHANDARDRA	45	15
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	163
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	711
WARDHA	405	190
Adani	1980	1228
Other CPPs	300	465
	3885	2594
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	5402
	3455	5402