



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Mar/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Mar/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	131.558	2183.204	1) Gujrat	6.250	-40.612
2) Hydro	10.479	183.249	2) Madhya Pradesh	21.783	340.705
3) Gas	7.511	122.874	3) Chattisgarh	9.220	159.520
Total MSGENCO	149.548	2489.327	4) Maharashtra Net	73.980	1282.379
B) 1) JSW JAIGAD	11.060	274.680	(Incl. 765kV Solapur-Raichur)	-1.073	-25.611
2) WPCL	4.332	76.817	5) Goa	-5.901	-106.399
3) ADANI	38.191	582.551	6) TAPS 1&2 Injection	6.771	119.672
4) Other CPP / IPP	16.582	301.462	7) RGPPL Injection	0.000	0.000
5) Wind Generation	5.399	86.738	8) Pench (Excess)	-0.350	-4.654
6) PENCH (MS)	0.350	4.654			
7) SOLAR	1.166	18.442	# Total Cent. Sector	111.753	1750.611
C) 1) TPCL Thermal	13.285	254.052	F) Other Exchanges		
2) TPCL Hydro	5.126	55.572	1) With TPCL (Excess)	-27.482	-404.891
TOTAL TPCL	18.411	309.624	G) Bilateral Power *		
3) REL Thermal	11.543	204.414	1) MSEDCL Bilateral	11.965	189.424
D) STATE			Include PX	-6.799	-103.755
1) Thermal (A1+C1+C3)	156.386	2641.670	2) MUMBAI Bilateral	21.638	335.643
2) Hydro (A2+B6+C2)	15.955	243.475	Include PX	5.866	91.723
3) Gas (A3)	7.511	122.874	3) MUMBAI Schedule	21.638	335.745
4) Wind (B5)	5.399	86.738	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	70.165	691.150	1) MSEDCL	310.899	5180.391
6) SOLAR (B7)	1.166	18.442	2) TPCL	36.724	591.097
TOTAL STATE	256.582	3804.349	3) REL	20.717	327.805
			TOTAL STATE	368.340	6099.293

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5725	5637	5165
MSGENCO Hydro	874	780	99
MSGENCO Gas	302	308	326
MSGENCO Total Generation	6901	6725	5590
Central Sector Receipt	5382	5488	3717
WIND	37	173	391
CPP / IPP	3179	3189	2379
SOLAR	168	82	0
Exchange with Mumbai	-1455	-1367	-769
MSEDCL DEMAND MET	14212	14306	11308
Load Shedding	849	411	15
MSEDCL DEMAND	15061	14717	11323
TPCL GENERATION	993	1028	496
R-INFRA GENERATION	522	522	395
TPCL+R-INFRA DEMAND	2970	2917	1660
STATE DEMAND MET	17182	17223	12968
STATE DEMAND	18031	17634	12983
Frequency (Hz)	50.01	50.00	50.34

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.45 Hz at 02:55 Hrs	49.71 Hz at 23:59 Hrs	50.05	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 18/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	3.44	60.15	160	124	145
Unit 7	3.68	63.05	170	127	165
Total	7.12	123.21			310
Bhusawal					
Unit 2	2.38	46.03	140	0	140
Unit 3	3.08	55.85	150	120	140
Unit 4	9.80	109.29	510	355	430
Unit 5	8.14	145.61	390	310	376
Total	23.41	356.78			1086
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.43	56.24	172	132	142
Unit 5	3.45	37.99	163	135	135
Unit 6	4.49	81.57	250	171	172
Unit 7	4.43	80.57	250	170	172
Total	15.80	256.37			621
Chandrapur					
Unit 1	3.36	57.80	145	134	145
Unit 2	3.68	57.89	168	134	165
Unit 3	4.15	67.30	182	154	190
Unit 4	4.62	78.84	204	168	210
Unit 5	10.00	144.61	465	355	440
Unit 6	9.72	131.95	445	360	420
Unit 7	0.05	134.46	50	0	0
Total	35.58	672.86			1570
Paras					
Unit 3	5.48	70.71	249	191	250
Unit 4	5.66	89.97	253	195	250
Total	11.14	160.68			500
Khaparkheda					
Unit 1	3.94	66.00	185	145	180
Unit 2	3.76	62.92	175	135	180
Unit 3	4.51	73.15	197	169	195
Unit 4	4.09	28.07	206	148	200
Unit 5	9.60	169.51	475	361	500
Total	25.89	399.64			1255
Nasik					
Unit 3	4.03	59.82	185	160	190
Unit 4	4.35	77.61	193	172	190
Unit 5	4.24	76.23	184	167	190
Total	12.62	213.66			570
Uran					
All Units	7.51	122.87	327	302	300
Total	7.51	122.87			300
PENCH (MS)					
Pench (MS)	0.35	4.65	47	0	0
Total	0.35	4.65			0
Koyna					
Stage 1-2	3.07	47.80	440	40	600
Stage 4	2.32	41.28	542	0	250
Stage 3	1.00	19.35	228	0	320
Kovna 12&4 Total	5.39	89.09			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.39	108.43			1170
Hydro					
KDPH	0.44	9.38	19	18	18
VTRNA	0.88	1.20	61	0	61
TILLARI	0.39	7.15	62	0	60
BHTGR/VEER	0.00	0.01	0	0	0
BHIRA T.R.	0.09	2.55	40	0	40
RNGR+BHTSA	0.34	5.72	15	14	10
BHANDARDRA	0.00	8.48	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.58	15.18	25	24	5
GHATGHAR	1.36	25.14	240	0	0
Total	4.09	74.82			194
Wind					
MalharPeth	0.14	3.04			
Vankuswadi	0.25	5.51			
ATIT	0.02	0.51			
Kale	0.11	1.11			
Satara	0.95	22.38			
Shirala	0.12	1.77			
K Mahankal	0.00	0.26			
Supa	0.09	2.01			
Vita	0.38	12.71			
Dondaicha	2.50	23.22			
Sakri	0.33	2.67			
Nandurbar	0.27	1.84			
Khandke	0.07	5.46			
Khaparale	0.16	4.24			
Total	5.40	86.74			
CPP					
JSW JAIGAD	11.06	274.68	464	456	414
WARDHA	4.33	76.82	183	178	180
Adani	38.19	582.55	1814	1140	1851
Other CPPs	16.58	301.46			465
Total	70.16	1235.51			2910
SOLAR					
Total	1.17	18.44			
Total	1.17	18.44			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.90	175.60	499	313	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.78	49.60	122	112	120
Trombay 7B	1.61	28.85	69	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.13	55.57	446	0	447
Total	18.41	309.62			1127
REL					
1&2	11.54	204.41	524	393	500
Total	11.54	204.41			500
Cent Sect					
Share					5393
Total					5393
MS PG CL	Thermal	131.56	2183.20		5912
	Thml+Gas	139.07	2306.08		6212
	Hydro	10.48	183.25		1364
	Total	149.55	2489.33		7576
State Total		256.58	3804.35		17506

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/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	5193	230	324	5747	280	2414	0	3256	4097	-772	-1088	11450	4	11454	1979	13433	50.09
2	5123	200	326	5649	250	2376	0	3651	3851	-700	-921	11205	15	11220	1810	13030	50.23
3	5137	164	327	5628	352	2412	0	3622	3865	-624	-832	11425	15	11440	1721	13161	50.32
4	5165	99	326	5590	391	2379	0	3578	3717	-580	-769	11308	15	11323	1660	12983	50.34
5	5058	99	324	5481	347	2413	0	3555	3950	-557	-764	11427	15	11442	1655	13097	50.18
6	5073	104	319	5496	355	2437	0	3742	4353	-640	-847	11794	149	11943	1736	13679	50.10
7	5223	340	316	5879	271	2391	0	3864	4275	-691	-970	11846	772	12618	1860	14478	50.03
8	5380	530	316	6226	242	2692	20	4098	4281	-670	-1039	12455	806	13261	1990	15251	50.04
9	5688	405	314	6407	154	3043	64	4401	4398	-747	-1082	13031	742	13773	2272	16045	49.99
10	5926	438	307	6671	128	3187	101	4775	5010	-924	-1173	13971	486	14457	2621	17078	50.00
11	6031	495	303	6829	83	3213	138	5127	5341	-1188	-1344	14307	521	14828	2881	17709	49.93
12	5929	824	302	7055	56	3179	155	5194	5224	-1252	-1451	14235	716	14951	2963	17914	49.95
13	5725	874	302	6901	37	3179	168	5170	5382	-1229	-1455	14212	849	15061	2970	18031	50.01
14	5621	786	302	6709	56	3169	156	5099	5470	-1155	-1405	14155	734	14889	2897	17786	49.99
15	5629	1021	303	6953	76	3192	162	5170	5406	-1183	-1399	14390	479	14869	2929	17798	49.93
16	5661	1175	305	7141	111	3173	93	5206	5518	-1186	-1418	14618	398	15016	2947	17963	49.99
17	5637	780	308	6725	173	3189	82	5027	5472	-1129	-1367	14290	411	14701	2917	17618	50.00
18	5513	335	312	6160	246	3171	24	4147	4186	-987	-1362	12461	524	12985	2813	15798	50.19
19	5408	168	312	5888	301	3204	3	4300	4461	-983	-1307	12597	315	12912	2691	15603	50.01
20	5472	233	312	6017	280	3140	0	4938	5280	-1003	-1121	13643	85	13728	2719	16447	50.01
21	5478	230	312	6020	299	3180	0	4749	5000	-940	-1035	13477	25	13502	2565	16067	49.99
22	5553	173	312	6038	277	3152	0	4418	4585	-877	-1112	12940	18	12958	2410	15368	49.91
23	5472	343	314	6129	288	3161	0	4244	4406	-783	-1157	12827	5	12832	2277	15109	49.89
24	5463	433	313	6209	346	3119	0	4101	4225	-837	-1064	12835	3	12838	2153	14991	49.96
MUs	131.56	10.48	7.51	149.55	5.40	70.16	1.17	105.43	111.75	-21.64	-27.48	310.90	8.10	319.00	57.44	376.44	50.05

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 18/Mar/2014

Position as on 6.30 Hrs of 19/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 9	80	18/03/2014	07.50		Continued.	Annual Maintenance	
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.	
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.	
CPP JSW (J) U1	300	12/03/2014	12:00		Continued.	Condinsor Tube Leakage.	
Uran Unit 6	108	16/03/2014	08.03		Continued.	gas shortage	
Chandrapur Unit 7	500	18/03/2014	00.25		Continued.	Hydrogen gas leakage.	
Bhusawal Unit 2	210	18/03/2014	17.45		Continued.	Flame Failure	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Mar/2014

Position as on 6.30 Hrs of 19/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 : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	16/03/2014	16.09	18/03/2014	09.30	over voltage
Dhule-Sar'Sarovar - I	16/03/2014	20.16	18/03/2014	07.25	over voltage
Kolhapur - Mapusa - I	18/03/2014	16.46		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	18/03/2014	18.18	19/03/2014	06.38	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
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.
Kolhapur-Solapur(PGCIL)- I	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 : 220KV			Outage Type PLANNED OUTAGE		
Talandage-Hamidwada	18/03/2014	09.32	18/03/2014	18.13	Replacement of Insulator
Vita - Miraj	18/03/2014	10.02	18/03/2014	13.33	Testing work
Borivali (M) - Gorai (Rel) - I (cable)	18/03/2014	11.25	18/03/2014	15.05	Isolator 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	18/03/2014	09.30	Over Voltage.
Warora-Tiroda-I	17/03/2014	1.53	18/03/2014	06.37	Heavy sparking on B ph wavetrap at warora end
Lonikand- Koyna Stage IV	17/03/2014	23.59	18/03/2014	07.49	Over Voltage.
Karad-Jaigad I	18/03/2014	17.45		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad I	16/03/2014	15.35	18/03/2014	08.24	over voltage
Khadka - Aurangabad	16/03/2014	17.07	18/03/2014	08.27	over voltage
Karad-Kolhapur-II	16/03/2014	17.08	18/03/2014	07.14	over voltage
Warora-Tiroda-I	17/03/2014	01.53	18/03/2014	06.37	Heavy sparking observed B-Ph wavetrap at Warora end.
Nagothane-Dabhol-I	17/03/2014	17.06	18/03/2014	13.30	Over Voltage.
Dabhol-Nagothane - II	18/03/2014	13.15		Continued.	Distance Protection
Bhusawal- Aurangabad	18/03/2014	18.01	18/03/2014	19.22	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Chikhali - Jalna - I	16/03/2014	20.10		Continued.	y -phase ct burst bus bar port operate
Chikhali - Jalna - II	16/03/2014	20.10		Continued.	bus bar port opt.
Oni - Kharepatan	18/03/2014	06.57	18/03/2014	12.32	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/Mar/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	105
	620	255
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	430
Unit 5	500	376
	1420	946
Parli		
Unit 3	210	0
Unit 4	210	140
Unit 5	210	145
Unit 6	250	170
Unit 7	250	170
	1130	625
Chandrapur		
Unit 1	210	150
Unit 2	210	165
Unit 3	210	190
Unit 4	210	210
Unit 5	500	460
Unit 6	500	450
Unit 7	500	0
	2340	1625
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	200
Unit 5	500	500
	1340	1255
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	240
	1920	1090
Hydro		
KDPH	40	18
VTRNA	60	61

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	0
ELDARY	23	0
SMLHY PTN	12	4
GHATGHAR	250	
	611	193
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	507
WARDHA	405	167
Adani	1980	1851
Other CPPs	300	465
	3885	2990
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	5310
	3455	5310

	21280	17286
--	--------------	--------------