



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Mar/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Mar/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.549	2310.753	1) Gujrat	5.527	-35.085
2) Hydro	19.327	202.576	2) Madhya Pradesh	22.662	363.367
3) Gas	7.348	130.222	3) Chattisgarh	10.550	170.070
Total MSGENCO	154.224	2643.551	4) Maharashtra Net	76.862	1359.241
B) 1) JSW JAIGAD	11.926	286.606	(Incl. 765kV Solapur-Raichur)	-0.122	-25.733
2) WPCL	4.032	80.849	5) Goa	-6.450	-112.849
3) ADANI	43.293	625.844	6) TAPS 1&2 Injection	7.074	126.746
4) Other CPP / IPP	18.180	319.642	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.433	91.171	8) Pench (Excess)	-0.127	-4.781
6) PENCH (MS)	0.127	4.781	# Total Cent. Sector	116.098	1866.709
7) SOLAR	1.216	19.658	F) Other Exchanges		
C) 1) TPCL Thermal	15.948	270.000	1) With TPCL (Excess)	-23.691	-428.582
2) TPCL Hydro	5.275	60.847	G) Bilateral Power *		
TOTAL TPCL	21.223	330.847	1) MSEDCL Bilateral	18.816	208.241
3) REL Thermal	12.549	216.963	Include PX	-1.146	-104.901
D) STATE			2) MUMBAI Bilateral	22.739	358.381
1) Thermal (A1+C1+C3)	156.046	2797.716	Include PX	7.030	98.753
2) Hydro (A2+B6+C2)	24.729	268.204	3) MUMBAI Schedule	22.739	358.484
3) Gas (A3)	7.348	130.222	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.433	91.171	1) MSEDCL	329.838	5510.229
5) CPP/IPP (B1+B2+B3+B4)	77.431	730.390	2) TPCL	36.575	627.672
6) SOLAR (B7)	1.216	19.658	3) REL	20.888	348.693
TOTAL STATE	271.203	4037.361	TOTAL STATE	387.301	6486.594

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5742	5171	5355
MSGENCO Hydro	1245	1495	170
MSGENCO Gas	293	298	300
MSGENCO Total Generation	7280	6964	5825
Central Sector Receipt	5435	5448	4086
WIND	60	302	203
CPP / IPP	3346	3268	3129
SOLAR	156	71	0
Exchange with Mumbai	-1237	-1318	-515
MSEDCL DEMAND MET	15060	14735	12728
Load Shedding	729	515	19
MSEDCL DEMAND	15789	15250	12747
TPCL GENERATION	1122	1048	644
R-INFRA GENERATION	524	522	524
TPCL+R-INFRA DEMAND	2883	2888	1683
STATE DEMAND MET	17943	17623	14411
STATE DEMAND	18672	18138	14430
Frequency (Hz)	49.94	49.95	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 06.55 Hrs	49.64 Hz at 19.06 Hrs	49.95	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 19/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	1.94	62.09	160	0	150
Unit 7	3.03	66.09	155	100	105
Total	4.97	128.18			255
Bhusawal					
Unit 2	0.00	46.03	0	0	0
Unit 3	2.94	58.78	135	115	140
Unit 4	9.98	119.27	500	360	430
Unit 5	8.52	154.14	420	310	376
Total	21.44	378.22			946
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.53	59.77	183	132	140
Unit 5	3.56	41.55	178	137	145
Unit 6	4.27	85.84	250	0	170
Unit 7	4.47	85.03	250	170	170
Total	15.83	272.20			625
Chandrapur					
Unit 1	3.33	61.14	148	130	150
Unit 2	3.88	61.77	170	158	165
Unit 3	4.34	71.64	189	174	190
Unit 4	4.78	83.62	210	182	210
Unit 5	10.47	155.08	470	385	460
Unit 6	9.96	141.91	440	370	450
Unit 7	0.00	134.46	0	0	0
Total	36.75	709.62			1625
Paras					
Unit 3	5.31	76.02	250	200	250
Unit 4	5.62	95.58	246	173	250
Total	10.93	171.61			500
Khaparkheda					
Unit 1	3.30	69.30	160	100	180
Unit 2	3.76	66.68	180	125	180
Unit 3	2.94	76.08	186	0	195
Unit 4	3.90	31.97	202	145	200
Unit 5	10.53	180.04	490	380	500
Total	24.44	424.08			1255
Nasik					
Unit 3	4.30	64.12	190	175	190
Unit 4	4.50	82.11	195	180	190
Unit 5	4.40	80.62	190	171	190
Total	13.19	226.85			570
Uran					
All Units	7.35	130.22	318	288	300
Total	7.35	130.22			300
PENCH (MS)					
Pench (MS)	0.13	4.78	33	0	
Total	0.13	4.78			
Koyna					
Stage 1-2	4.50	52.30	530	40	600
Stage 4	7.24	48.52	1038	0	250
Stage 3	3.19	22.53	240	0	240
Kovna 12&4 Total	11.74	100.83			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	14.93	123.36			1090
Hydro					
KDPH	0.44	9.83	19	18	18
VTRNA	1.05	2.25	61	0	61
TILLARI	0.38	7.53	63	0	60
BHTGR/VEER	0.03	0.04	2	0	0
BHIRA T.R.	0.19	2.74	41	0	40
RNGR+BHTSA	0.34	6.05	14	14	10
BHANDARDRA	0.00	8.48	0	0	0
ELDARY	0.06	0.06	15	0	0
SMLHY PTN	0.77	15.95	40	30	4
GHATGHAR	1.20	26.34	250	0	
Total	4.46	79.28			193
Wind					
MalharPeth	0.16	3.20			
Vankuswadi	0.42	5.93			
ATIT	0.03	0.54			
Kale	0.11	1.22			
Satara	1.25	23.63			
Shirala	0.12	1.89			
K Mahankal	0.01	0.27			
Supa	0.15	2.16			
Vita	0.33	13.04			
Dondaicha	1.28	24.50			
Sakri	0.20	2.87			
Nandurbar	0.09	1.93			
Khandke	0.14	5.60			
Khaparale	0.14	4.38			
Total	4.43	91.17			
CPP					
JSW JAIGAD	11.93	286.61	562	460	507
WARDHA	4.03	80.85	177	160	167
Adani	43.29	625.84	1832	1777	1851
Other CPPs	18.18	319.64			465
Total	77.43	1312.94			2990
SOLAR					
Total	1.22	19.66			
Total	1.22	19.66			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.60	187.20	504	335	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.75	52.35	115	114	120
Trombay 7B	1.60	30.45	68	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.28	60.85	441	0	447
Total	21.22	330.85			1127
REL					
1&2	12.55	216.96	525	520	500
Total	12.55	216.96			500
Cent Sect					
Share					5310
Total					5310
MS PG CL	Thermal	127.55	2310.75		5776
	Thml+Gas	134.90	2440.98		6076
	Hydro	19.33	202.58		1283
	Total	154.22	2643.55		7359
State Total		271.20	4037.36		17286

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	5408	170	310	5888	301	3150	0	4326	4581	-701	-821	13099	7	13106	1996	15102	49.92
2	5350	165	310	5825	206	3151	0	4224	4388	-601	-615	12955	19	12974	1820	14794	49.94
3	5253	165	310	5728	179	3095	0	4162	4238	-538	-520	12720	19	12739	1723	14462	49.95
4	5355	170	300	5825	203	3129	0	4154	4086	-532	-515	12728	19	12747	1683	14430	49.98
5	5311	165	316	5792	195	3171	0	4142	4295	-532	-633	12833	19	12852	1674	14526	49.90
6	5340	272	314	5926	151	3126	0	4246	4594	-532	-695	13113	107	13220	1760	14980	49.92
7	5443	345	318	6106	128	3170	2	4432	4634	-629	-677	13386	629	14015	1867	15882	49.95
8	5448	416	317	6181	105	3184	23	4758	4654	-764	-722	13458	877	14335	1995	16330	50.00
9	5495	541	314	6350	100	3192	76	4874	5111	-861	-800	14029	779	14808	2256	17064	49.96
10	5712	761	308	6781	138	3202	106	5062	5229	-1049	-968	14488	593	15081	2593	17674	49.91
11	5766	1032	310	7108	84	3208	147	5274	5508	-1267	-1205	14863	593	15456	2837	18293	49.88
12	5742	1245	293	7280	60	3346	156	5317	5435	-1358	-1237	15060	729	15789	2883	18672	49.94
13	5441	1482	291	7214	43	3313	168	5237	5443	-1346	-1305	14886	840	15726	2897	18623	49.95
14	5276	1466	288	7030	40	3436	174	5125	5475	-1230	-1272	14883	726	15609	2866	18475	50.03
15	5174	1820	295	7289	84	3247	131	5159	5286	-1262	-1265	14772	506	15278	2892	18170	49.95
16	5155	2121	297	7573	189	3209	124	5237	5204	-1278	-1265	15034	447	15481	2893	18374	49.91
17	5171	1495	298	6964	302	3268	71	5187	5448	-1302	-1318	14735	515	15250	2888	18138	49.95
18	5026	973	305	6304	308	3239	35	4212	4235	-1031	-1298	12823	658	13481	2827	16308	50.04
19	5126	544	305	5975	305	3196	3	4257	4283	-1029	-1224	12538	535	13073	2737	15810	49.93
20	5145	893	307	6345	347	3326	0	4945	5211	-1156	-1219	14010	117	14127	2782	16909	49.90
21	5139	876	309	6324	281	3321	0	4738	4919	-1117	-1086	13759	16	13775	2612	16387	49.93
22	5132	928	311	6371	259	3343	0	4322	4377	-971	-1085	13265	8	13273	2434	15707	49.93
23	5156	755	311	6222	200	3242	0	4390	4501	-850	-986	13179	3	13182	2323	15505	49.93
24	4985	591	311	5887	225	3167	0	4480	4963	-803	-960	13286	5	13291	2225	15516	49.99
MUs	127.55	19.39	7.35	154.29	4.43	77.43	1.22	112.26	116.10	-22.74	-23.69	329.90	8.77	338.67	57.46	396.13	49.95

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 19/Mar/2014

Position as on 6.30 Hrs of 20/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	
Koradi Unit 6	210	19/03/2014	08.07	19/03/2014	16.10	Suspected B.T.L.	
Khaparkheda Unit 3	210	19/03/2014	16.29	19/03/2014	19.24	Furnace Pressure High.	
Khaparkheda Unit 3	210	19/03/2014	19.51	19/03/2014	22.43	Furnace Pressure High.	
Parli Unit 6	250	19/03/2014	23.00		Continued.	HP Valve Problem	
Khaparkheda Unit 3	210	19/03/2014	23.47	20/03/2014	01.56	Furnace Pressure High	
Khaparkheda Unit 2	210	20/03/2014	03.53		Continued.	Flame Failure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Mar/2014

Position as on 6.30 Hrs of 20/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		
Bhoisor-Bhoisor(PGCIL)-I	19/03/2014	09.48	19/03/2014	12.15	Testing work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	18/03/2014	16.46	19/03/2014	06.47	Over Voltage
Dhule-Sar'Sarovar - I	18/03/2014	18.18	19/03/2014	06.38	Over Voltage
A'bad-Talegaon PG-1	19/03/2014	09.48		Continued.	To control Akola- A'Bad L/L
Kolhapur - Mapusa - I	19/03/2014	17.12		Continued.	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 : 400KV			Outage Type PLANNED OUTAGE		
New Koyna - Karad - I	19/03/2014	07.45		Continued.	Taken on TBC Attending air Leakage problem of CB.
400/220KV,500 MVA ICT-III at Kolhapur	19/03/2014	10.16	19/03/2014	18.45	Tan Delta testing work
400/220KV,500 MVA ICT-III at Nagothane.	19/03/2014	10.20	19/03/2014	19.17	Testing work.
Bus Coupler @ Chandrapur	19/03/2014	12.10	19/03/2014	18.40	Tan Delta Testing work.
400/220 KV 300 MVA ICT-I @ Koradi	19/03/2014	12.30		Continued.	Repl.Of Y Phase ICT-I(Up to 28-3-14)
400/220 KV 500 MVA ICT-II at Lamboti	19/03/2014	17.04	19/03/2014	22.36	B-Ph LV side CT oil leakage.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Khaparkheda-Kawlewada-II	19/03/2014	08.13	19/03/2014	17.58	Overhead crossing work of 765KV Tiroda-Koradi-II
Khaparkheda-Kawlewada-I	19/03/2014	08.14	19/03/2014	17.57	Overhead crossing work of 765KV Tiroda-Koradi-II
Talandage-Hamidwada	19/03/2014	09.05	19/03/2014	18.13	Insulator String Replacement.
Bale-Lamboti II	19/03/2014	10.01	19/03/2014	19.45	CT Replacement.
220/132 KV 200 MVA ICT - I @ Beed	19/03/2014	10.02	19/03/2014	15.14	Repl.of Jumper from HV Bushing to HV CTs
Miraj - Mhaisal	19/03/2014	10.45	19/03/2014	13.00	Tan Delta Measurement.
Paranda - Barshi	19/03/2014	11.30	19/03/2014	14.29	Replacement of Nut Bolt
Warora - Wani	19/03/2014	13.42	19/03/2014	19.08	Measurement of Tan Delta of CTs
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)
Karad-Jaigad I	18/03/2014	17.45	19/03/2014	06.44	Over Voltage
Karad-Kolhapur-II	19/03/2014	17.07		Continued.	Over Voltage.
Karad-Jaigad I	19/03/2014	22.20		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Mar/2014

Position as on 6.30 Hrs of 20/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Dabhol-Nagothane - II	18/03/2014	13.15		Continued.	Distance Protection
Khadka - Aurangabad	19/03/2014	17.04	20/03/2014	04.10	over voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Chikhali - Jalna - I	16/03/2014	20.10		Continued.	y phase CT Burst, Bus Bar Prot. operated
Chikhali - Jalna - II	16/03/2014	20.10		Continued.	Bus Bar Prot. Operated
Matardevi - Lloyds Metals	19/03/2014	05.32	19/03/2014	05.40	Tripped at LMEL end only
Pirangut-Hinjewadi	19/03/2014	06.52	19/03/2014	21.20	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Mar/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	132
Unit 7	210	140
	620	272
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	150
Unit 5	210	160
Unit 6	250	0
Unit 7	250	190
	1130	500
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	150
Unit 2	210	0
Unit 3	210	130
Unit 4	210	150
Unit 5	500	500
	1340	930
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	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	210
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	506
WARDHA	405	190
Adani	1980	1851
Other CPPs	300	465
	3885	3012
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	5392
	3455	5392