



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Jan/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Jan/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.592	1683.018	1) Gujrat	10.260	82.033
2) Hydro	20.630	265.113	2) Madhya Pradesh	19.371	260.248
3) Gas	6.166	86.647	3) Chattisgarh	9.820	127.770
Total MSGENCO	144.388	2034.778	4) Maharashtra Net	80.367	1101.858
B) 1) JSW JAIGAD	19.635	274.277	(Incl. 765kV Solapur-Raichur)	0.794	-0.896
2) WPCL	3.004	51.398	5) Goa	-5.818	-78.994
3) ADANI	42.890	491.900	6) TAPS 1&2 Injection	7.567	106.317
4) Other CPP / IPP	8.444	146.054	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.624	50.131	8) Pench (Excess)	-0.472	-0.590
6) PENCH (MS)	0.472	5.338			
7) SOLAR	0.691	11.252	# Total Cent. Sector	121.095	1598.642
C) 1) TPCL Thermal	14.257	229.845	F) Other Exchanges		
2) TPCL Hydro	3.896	54.263	1) With TPCL (Excess)	-19.868	-247.306
TOTAL TPCL	18.153	284.108	G) Bilateral Power *		
3) REL Thermal	5.872	103.637	1) MSEDCL Bilateral	16.406	259.149
D) STATE			Include PX	0.000	-18.787
1) Thermal (A1+C1+C3)	137.721	2016.500	2) MUMBAI Bilateral	15.701	209.550
2) Hydro (A2+B6+C2)	24.998	324.714	Include PX	6.977	81.211
3) Gas (A3)	6.166	86.647	3) MUMBAI Schedule	16.139	218.423
4) Wind (B5)	2.624	50.131	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	73.973	514.619	1) MSEDCL	323.375	4416.464
6) SOLAR (B7)	0.691	11.252	2) TPCL	28.785	420.804
TOTAL STATE	246.173	3003.863	3) REL	15.098	214.229
			TOTAL STATE	367.258	5051.497

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	5082	5058	4727
MSGENCO Hydro	2049	1420	123
MSGENCO Gas	321	177	334
MSGENCO Total Generation	7452	6655	5184
Central Sector Receipt	5592	5197	4628
WIND	73	71	95
CPP / IPP	3171	3153	2735
SOLAR	114	29	0
Exchange with Mumbai	-970	-837	-584
MSEDCL DEMAND MET	15453	14291	12083
Load Shedding	930	668	16
MSEDCL DEMAND	16383	14959	12099
TPCL GENERATION	1096	976	460
R-INFRA GENERATION	260	260	200
TPCL+R-INFRA DEMAND	2326	2073	1244
STATE DEMAND MET	17779	16364	13327
STATE DEMAND	18709	17032	13343
Frequency (Hz)	50.04	50.03	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 16.56 Hrs	49.53 Hz at 07.22 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 14/Jan/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	1.31	21.51	150	0	0
Unit 6	3.44	43.88	158	125	140
Unit 7	3.28	47.15	173	120	135
Total	8.03	112.54			275
Bhusawal					
Unit 2	3.32	38.28	145	135	140
Unit 3	3.45	40.94	155	130	150
Unit 4	9.35	124.24	435	345	731
Unit 5	7.18	92.11	325	265	0
Total	23.30	295.56			1021
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.99	47.76	183	152	160
Unit 5	0.00	31.03	0	0	0
Unit 6	4.58	59.60	220	162	200
Unit 7	4.52	58.75	219	156	200
Total	13.08	197.14			560
Chandrapur					
Unit 1	3.09	46.36	144	95	150
Unit 2	1.76	45.34	148	0	140
Unit 3	4.16	58.10	188	162	200
Unit 4	4.69	64.58	206	174	210
Unit 5	0.00	0.00	0	0	0
Unit 6	8.85	133.86	425	0	430
Unit 7	7.98	123.84	400	284	325
Total	30.52	472.07			1455
Paras					
Unit 3	4.88	60.33	218	183	210
Unit 4	4.40	68.70	207	165	210
Total	9.29	129.03			420
Khaparkheda					
Unit 1	3.14	50.25	150	115	162
Unit 2	0.00	21.27	0	0	0
Unit 3	4.29	52.77	190	164	173
Unit 4	4.50	53.22	198	166	173
Unit 5	8.75	132.58	406	318	423
Total	20.68	310.08			931
Nasik					
Unit 3	4.24	59.16	190	165	190
Unit 4	4.24	59.51	190	167	190
Unit 5	4.22	47.93	199	164	190
Total	12.70	166.60			570
Uran					
All Units	6.17	86.65	340	170	325
Total	6.17	86.65			325
PENCH (MS)					
Pench (MS)	0.47	5.34	47	0	
Total	0.47	5.34			
Koyna					
Stage 1-2	4.11	61.04	455	40	600
Stage 4	9.26	108.94	1120	0	250
Stage 3	2.75	35.84	318	0	320
Kovna 12&4 Total	13.37	169.99			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	16.11	205.83			1170
Hydro					
KDPH	0.44	5.71	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.39	1.40	66	0	60
BHTGR/VEER	0.06	1.04	3	2	2
BHIRA T.R.	0.00	2.54	0	0	0
RNGR+BHTSA	0.38	4.11	16	15	15
BHANDARDRA	0.00	2.02	0	0	0
ELDARY	0.00	0.27	0	0	0
SMLHY PTN	1.02	14.02	51	41	12
GHATGHAR	2.23	28.18	250	0	0
Total	4.52	59.28			107
Wind					
MalharPeth	0.08	1.90			
Vankuswadi	0.26	3.43			
ATIT	0.01	1.14			
Kale	0.04	1.09			
Satara	0.96	11.51			
Shirala	0.04	0.96			
K Mahankal	0.00	0.91			
Supa	0.06	1.04			
Vita	0.00	3.43			
Dondaicha	0.68	16.28			
Sakri	0.11	2.19			
Nandurbar	0.07	1.19			
Khandke	0.23	3.16			
Khaparale	0.09	1.90			
Total	2.62	50.13			
CPP					
JSW JAIGAD	19.64	274.28	899	707	823
WARDHA	3.00	51.40	210	104	110
Adani	42.89	491.90	1830	1570	1851
Other CPPs	8.44	146.05			
Total	73.97	963.63			2784
SOLAR					
Total	0.69	11.25			
Total	0.69	11.25			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.91	140.91	505	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.74	23.83	129	84	120
Trombay 7B	1.60	16.55	72	57	60
Trombay 8	0.00	48.56	0	0	0
TATA Hydro	3.90	54.26	471	0	447
Total	18.15	284.11			1127
REL					
1&2	5.87	103.64	263	199	250
Total	5.87	103.64			250
Cent Sect					
Share					5176
Total					5176
MS PG CL	Thermal	117.59	1683.02		5232
	Thml+Gas	123.76	1769.66		5557
	Hydro	20.63	265.11		1277
	Total	144.39	2034.78		6834
State Total		246.17	3003.86		16171

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Jan/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	4710	118	335	5163	79	2964	0	4540	4634	-566	-762	12103	67	12170	1440	13610	50.05
2	4700	118	334	5152	91	2920	0	4204	4634	-464	-649	12173	16	12189	1309	13498	50.10
3	4727	123	334	5184	95	2735	0	4136	4628	-446	-584	12083	16	12099	1244	13343	50.00
4	4683	138	334	5155	100	2771	0	4124	4743	-434	-555	12239	16	12255	1216	13471	49.95
5	4694	168	334	5196	109	2860	0	4279	4607	-440	-575	12199	22	12221	1234	13455	49.92
6	4816	119	340	5275	135	3022	0	4660	4840	-458	-681	12591	256	12847	1344	14191	50.01
7	4884	164	336	5384	153	3089	0	4861	5117	-484	-671	13072	818	13890	1463	15353	49.92
8	4993	1089	334	6416	145	3087	8	4832	5002	-482	-532	14133	891	15024	1624	16648	49.84
9	5032	1853	335	7220	137	3160	25	4899	5076	-502	-573	15092	916	16008	1879	17887	49.90
10	5075	2270	331	7676	119	3178	66	5069	5310	-619	-700	15696	746	16442	2118	18560	49.90
11	5095	2269	326	7690	108	3175	94	5216	5233	-786	-845	15502	820	16322	2269	18591	49.95
12	5082	2049	321	7452	73	3171	114	5359	5592	-848	-970	15453	930	16383	2326	18709	50.04
13	5004	1976	248	7228	37	3171	118	5292	5634	-839	-1017	15171	1057	16228	2278	18506	50.10
14	4893	1813	173	6879	30	3135	111	5198	5511	-792	-922	14744	941	15685	2150	17835	50.06
15	4992	1830	174	6996	49	3165	74	5122	5674	-784	-904	15054	730	15784	2130	17914	49.99
16	5077	1968	175	7220	60	3150	43	4963	5344	-766	-865	14952	648	15600	2088	17688	50.04
17	5058	1420	177	6655	71	3153	29	4983	5197	-815	-837	14291	668	14959	2073	17032	50.03
18	5061	228	176	5465	56	3150	9	4555	4852	-703	-934	12641	641	13282	2045	15327	50.02
19	5099	193	177	5469	105	3179	0	4970	5079	-846	-1059	12806	181	12987	2158	15145	50.02
20	5063	183	179	5425	158	3158	0	4978	5400	-954	-1121	13045	175	13220	2177	15397	50.03
21	4952	184	177	5313	248	3140	0	4757	4984	-873	-1176	12534	145	12679	2051	14730	50.03
22	4924	119	170	5213	172	3143	0	4252	4782	-684	-1108	12227	114	12341	1908	14249	50.07
23	4501	119	173	4793	157	3139	0	4222	4757	-828	-981	11890	74	11964	1760	13724	50.09
24	4489	119	173	4781	137	3158	0	4128	4465	-727	-847	11696	79	11775	1609	13384	50.18
MUs	117.60	20.63	6.17	144.40	2.62	73.97	0.69	113.60	121.10	-16.14	-19.87	323.39	10.97	334.35	43.89	378.25	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 14/Jan/2014

Position as on 6.30 Hrs of 15/Jan/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	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Condenser replacement work.	
REL 1	250	04/01/2014	23.38		Continued.	Annual Overhaul	
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.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
Uran Unit 5	108	25/11/2013	21.33		Continued.	Gas Shortage.	
CPP WPCL U-2	135	13/12/2013	13.17		Continued.	ID Fan problem	
CPP WPCL U-4	135	22/12/2013	00:07	14/01/2014	16.56	Generation Water Cooler Leakage.	
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	
CPP INDIABULLS	270	04/01/2014	09.18		Continued.	Coal Shortage	
Khaparkheda Unit 2	210	07/01/2014	21.02		Continued.	Heavy oil consumption.	
Parli Unit 5	210	09/01/2014	18.11		Continued.	coal shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
Koyna Unit 6	75	13/01/2014	21.25	14/01/2014	04.15	P.M.work	
Koradi Unit 5	200	13/01/2014	23.06	14/01/2014	14.00	Bunkering Problem	
CPP WPCL U-1	135	14/01/2014	00.23		Continued.	Furnace Pressure High	
Chandrapur Unit 2	210	14/01/2014	12.38		Continued.	I D Fan Problem.	
Uran Unit 6	108	14/01/2014	12.45		Continued.	Gas Shortage.	
Uran Unit A0	120	14/01/2014	13.04		Continued.	Gas Shortage.	
Chandrapur Unit 6	500	14/01/2014	22.18		Continued.	Boiler Tube Leakage.	
Koradi Unit 6	210	15/01/2014	06.42		Continued.	Tripped.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jan/2014

Position as on 6.30 Hrs of 15/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Tillary-Amona	14/01/2014	08.52	14/01/2014	19.51	Insulator Replacement.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Solapur PG 765 KV - Raichur - I	10/01/2014	07.31	14/01/2014	11.54	Outage on Talchar-Kolhar HVDC line.
Kolhapur-Solapur(PGCIL)-I	12/01/2014	21.40	14/01/2014	09.46	Over Voltage
Kolhapur - Mapusa - I	13/01/2014	16.35	14/01/2014	08.58	Over Voltage
Kolhapur - Mapusa - I	14/01/2014	16.20		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	14/01/2014	18.18		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	14/01/2014	21.49		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control wardha-Yeotmal O/L
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Kanhan - Pench - I	11/01/2014	19:17		Continued.	Completion of Khaperkheda-Kanhan Outage and Withdeawal of Pench Support.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	13/01/2014	21.52	14/01/2014	07.24	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132 KV 200 MVA ICT - II @ Khadka	11/11/2013	09.07		Continued.	Repl.of Old 200 MVA ICT Under LES
400/220 KV 315 MVA ICT-II @ Chandrapur	13/01/2014	09.27		Continued.	Testing work
Newkoyna - Jaigad - I	14/01/2014	09.37	14/01/2014	18.59	R. M. & Testing Work.
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
TBC @ Ambazari	14/01/2014	10.20	14/01/2014	16.00	For Alignment of Bus-I & II Isolator,CRM,Breaker Timing &
Parly - Harangool - I	14/01/2014	12.10	14/01/2014	14.52	Attending Hot Spot on WT.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	01/01/2014	02.54		Continued.	H/T For O/V.
Bhusawal - Deepnagar - II	03/01/2014	15.47		Continued.	For Change Over.
Talegaon PG - Aurangabad - II	09/01/2014	13.41		Continued.	over voltage
Karad-Kolhapur-II	13/01/2014	16.33	14/01/2014	09.31	Over Voltage
Karad-Jaigad I	13/01/2014	16.36	14/01/2014	08.42	Over Voltage
Bhusawal- Aurangabad	13/01/2014	17.07		Continued.	Over Voltage
Lonikand- Koyna Stage IV	13/01/2014	21.53	14/01/2014	07.06	Over Voltage
Karad - Kolhapur - II	14/01/2014	16.11		Continued.	Over Voltage.
Karad-Jaigad I	14/01/2014	20.44		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	14/01/2014	21.49	15/01/2014	06.49	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jan/2014

Position as on 6.30 Hrs of 15/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	06/01/2014	19.47		Continued.	Paras-Chikhali line O/L
Chikhali - Jalna - I	06/01/2014	19.47		Continued.	Paras-Chikhali O/L
Murud-Tuljapur	14/01/2014	09.11	14/01/2014	18.30	To Control Parly ICT Loading.
Usmanabad --Bale	14/01/2014	10.43	14/01/2014	18.31	To Control Parly- Osmanabad L/L.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Mansar - Pench	11/01/2014	19:17		Continued.	Completion of Khaperkheda-Kanhan Outage and Withdeawal of Pench Suport.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	31/12/2013	02.29		Continued.	Over Voltage.
Karad-Kolhapur-II	14/01/2014	09.59	14/01/2014	10.11	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Jan/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	130
Unit 7	210	145
	620	405
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	430
Unit 5	500	301
	1420	1021
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	0
Unit 6	250	200
Unit 7	250	200
	1130	570
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	190
Unit 4	210	210
Unit 5	500	0
Unit 6	500	0
Unit 7	500	410
	2340	950
Paras		
Unit 3	250	210
Unit 4	250	210
	500	420
Khaparkheda		
Unit 1	210	180
Unit 2	210	0
Unit 3	210	190
Unit 4	210	190
Unit 5	500	350
	1340	910
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	170
	852	170
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	3
BHIRA T.R.	80	0
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	26
GHATGHAR	250	0
	611	122
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	823
WARDHA	405	230
Adani	1980	1851
Other CPPs	300	
	3885	2904
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	250
	500	250
Cent Sect		
Share	3455	5246
	3455	5246