



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Jan/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Jan/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.848	2343.758	1) Gujrat	5.991	111.415
2) Hydro	19.126	389.307	2) Madhya Pradesh	19.707	377.673
3) Gas	7.819	122.402	3) Chattisgarh	9.600	187.370
Total MSGENCO	138.793	2855.467	4) Maharashtra Net	80.416	1605.733
B) 1) JSW JAIGAD	20.029	392.200	(Incl. 765kV Solapur-Raichur)	-1.162	-3.915
2) WPCL	5.303	83.482	5) Goa	-5.294	-112.264
3) ADANI	29.210	681.790	6) TAPS 1&2 Injection	7.591	152.163
4) Other CPP / IPP	20.677	231.597	7) RGPPL Injection	0.000	0.000
5) Wind Generation	5.546	75.627	8) Pench (Excess)	-0.556	-1.937
6) PENCH (MS)	0.556	6.685	# Total Cent. Sector	117.455	2320.153
7) SOLAR	0.971	16.741	F) Other Exchanges		
C) 1) TPCL Thermal	14.590	314.603	1) With TPCL (Excess)	-20.813	-362.534
2) TPCL Hydro	4.403	79.608	G) Bilateral Power *		
TOTAL TPCL	18.993	394.211	1) MSEDCL Bilateral	15.887	349.342
3) REL Thermal	5.913	139.700	Include PX	0.000	-18.787
D) STATE			2) MUMBAI Bilateral	17.387	305.304
1) Thermal (A1+C1+C3)	132.351	2798.061	Include PX	6.927	114.710
2) Hydro (A2+B6+C2)	24.085	475.600	3) MUMBAI Schedule	19.305	323.982
3) Gas (A3)	7.819	122.402	H) ENERGY CATERED (MUs)		
4) Wind (B5)	5.546	75.627	1) MSEDCL	317.727	6301.208
5) CPP/IPP (B1+B2+B3+B4)	75.219	736.489	2) TPCL	30.572	593.880
6) SOLAR (B7)	0.971	16.741	3) REL	15.147	302.545
TOTAL STATE	245.991	4224.920	TOTAL STATE	363.446	7197.633

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4768	4676	4524
MSGENCO Hydro	2333	1837	136
MSGENCO Gas	320	327	334
MSGENCO Total Generation	7421	6840	4994
Central Sector Receipt	5164	4816	4115
WIND	257	88	184
CPP / IPP	3219	3199	3067
SOLAR	127	34	0
Exchange with Mumbai	-1050	-919	-487
MSEDCL DEMAND MET	15181	14083	11873
Load Shedding	807	611	86
MSEDCL DEMAND	15988	14694	11959
TPCL GENERATION	1096	1063	481
R-INFRA GENERATION	262	262	202
TPCL+R-INFRA DEMAND	2408	2244	1170
STATE DEMAND MET	17589	16327	13043
STATE DEMAND	18396	16938	13129
Frequency (Hz)	49.96	49.94	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 12.57 Hrs	49.71 Hz at 06.38 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 20/Jan/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	30.64	0	0	0
Unit 6	3.33	62.37	147	95	140
Unit 7	3.52	67.66	157	128	160
Total	6.85	160.67			300
Bhusawal					
Unit 2	3.23	58.10	145	125	140
Unit 3	3.12	61.72	140	110	150
Unit 4	6.10	175.16	340	155	430
Unit 5	5.64	130.88	300	155	301
Total	18.10	425.86			1021
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.19	70.94	192	158	180
Unit 5	4.03	44.76	180	155	180
Unit 6	5.35	89.43	245	186	250
Unit 7	5.17	87.99	239	180	250
Total	18.74	293.11			860
Chandrapur					
Unit 1	2.36	63.88	125	0	140
Unit 2	0.00	45.34	0	0	0
Unit 3	4.26	82.38	189	158	170
Unit 4	4.73	92.48	204	186	210
Unit 5	0.00	0.00	0	0	0
Unit 6	10.11	169.05	445	365	430
Unit 7	9.09	178.36	423	309	400
Total	30.55	631.48			1350
Paras					
Unit 3	4.95	90.11	234	180	210
Unit 4	5.34	100.43	237	206	230
Total	10.30	190.54			440
Khaparkheda					
Unit 1	4.18	73.22	190	150	180
Unit 2	0.06	21.33	45	0	0
Unit 3	4.35	77.78	185	172	190
Unit 4	4.70	78.77	202	170	190
Unit 5	1.50	148.27	265	0	0
Total	14.81	399.38			560
Nasik					
Unit 3	4.00	84.26	185	155	190
Unit 4	4.24	84.98	189	165	190
Unit 5	4.26	73.48	186	169	190
Total	12.50	242.72			570
Uran					
All Units	7.82	122.40	335	304	330
Total	7.82	122.40			330
PENCH (MS)					
Pench (MS)	0.56	6.68	47	0	
Total	0.56	6.68			
Koyna					
Stage 1-2	4.44	91.70	580	40	600
Stage 4	7.29	158.95	1097	0	250
Stage 3	2.47	52.88	316	0	320
Kovna 12&4 Total	11.73	250.66			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	14.20	303.54			1170
Hydro					
KDPH	0.45	8.43	19	18	20
VTRNA	0.00	0.00	0	0	0
TILLARI	0.38	3.71	64	0	66
BHTGR/VEER	0.07	1.44	3	2	3
BHIRA T.R.	0.00	2.54	0	0	0
RNGR+BHTSA	0.37	6.25	16	15	16
BHANDARDRA	0.00	2.02	0	0	0
ELDARY	0.36	2.42	15	14	15
SMLHY PTN	1.12	19.88	54	43	9
GHATGHAR	2.19	39.07	250	0	0
Total	4.93	85.77			129
Wind					
MalharPeth	0.11	2.60			
Vankuswadi	0.30	4.79			
ATIT	0.02	1.26			
Kale	0.10	1.57			
Satara	1.45	17.77			
Shirala	0.08	1.51			
K Mahankal	0.00	0.91			
Supa	0.11	1.70			
Vita	1.37	5.46			
Dondaicha	1.43	24.63			
Sakri	0.11	3.24			
Nandurbar	0.16	2.04			
Khandke	0.26	4.85			
Khaparale	0.06	3.30			
Total	5.55	75.63			
CPP					
JSW JAIGAD	20.03	392.20	897	767	850
WARDHA	5.30	83.48	229	212	230
Adani	29.21	681.79	1230	1200	1234
Other CPPs	20.68	231.60			245
Total	75.22	1389.07			2559
SOLAR					
Total	0.97	16.74			
Total	0.97	16.74			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.46	199.82	503	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.57	40.12	128	67	120
Trombay 7B	1.55	26.09	70	53	60
Trombay 8	0.00	48.56	0	0	0
TATA Hydro	4.40	79.61	449	0	447
Total	18.99	394.21			1127
REL					
1&2	5.91	139.70	263	202	250
Total	5.91	139.70			250
Cent Sect					
Share					5231
Total					5231
MS PG CL	Thermal	111.85	2343.76		5101
	Thml+Gas	119.67	2466.16		5431
	Hydro	19.13	389.31		1299
	Total	138.79	2855.47		6730
State Total		245.99	4224.92		15897

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	4470	135	333	4938	130	3046	0	4056	4512	-590	-610	12016	98	12114	1354	13468	50.07
2	4563	140	335	5038	171	3085	0	3983	4277	-521	-539	12032	86	12118	1226	13344	50.13
3	4524	136	334	4994	184	3067	0	3971	4115	-509	-487	11873	86	11959	1170	13129	50.02
4	4488	140	333	4961	233	3062	0	3979	4162	-531	-457	11961	86	12047	1141	13188	50.03
5	4550	136	332	5018	294	3074	0	3981	4231	-536	-491	12152	86	12238	1175	13413	49.98
6	4681	136	333	5150	341	3097	0	4599	4856	-555	-533	12953	195	13148	1300	14448	49.93
7	4843	197	334	5374	395	3076	0	4717	5112	-621	-556	13434	699	14133	1511	15644	49.89
8	4878	533	332	5743	457	3175	9	4806	4971	-675	-584	13811	1185	14996	1705	16701	49.93
9	4765	1241	328	6334	387	3143	42	4840	5020	-837	-790	14175	1048	15223	1952	17175	49.98
10	4737	1993	324	7054	319	3164	98	4971	5238	-945	-932	14978	779	15757	2223	17980	49.94
11	4768	2333	320	7421	257	3219	127	4928	5164	-1095	-1050	15181	807	15988	2408	18396	49.96
12	4658	2324	325	7307	281	3170	145	4975	5127	-1152	-1057	15000	949	15949	2437	18386	50.01
13	4587	1304	325	6216	240	3157	169	5273	5769	-1143	-1139	14438	1101	15539	2405	17944	50.04
14	4627	1027	324	5978	160	3213	139	5140	5791	-1015	-1020	14271	976	15247	2270	17517	50.11
15	4700	1631	324	6655	130	3186	119	4842	5370	-995	-934	14553	730	15283	2253	17536	49.98
16	4679	2047	326	7052	140	3168	77	4687	5140	-957	-912	14690	610	15300	2234	17534	50.01
17	4676	1837	327	6840	88	3199	34	4693	4816	-829	-919	14083	611	14694	2244	16938	49.94
18	4666	742	323	5731	82	3169	12	4542	4635	-692	-1132	12524	739	13263	2258	15521	50.02
19	4700	269	320	5289	104	3201	0	5014	5097	-937	-1060	12644	502	13146	2343	15489	49.94
20	4729	214	321	5264	123	3202	0	5111	4938	-980	-1066	12508	575	13083	2352	15435	49.96
21	4715	204	320	5239	155	3089	0	4830	4953	-836	-1172	12304	359	12663	2193	14856	50.00
22	4728	134	320	5182	228	3074	0	4622	4735	-711	-1197	12049	237	12286	2058	14344	50.08
23	4589	134	322	5045	314	3094	0	4670	4676	-882	-1175	11956	140	12096	1860	13956	50.06
24	4527	139	304	4970	333	3089	0	4565	4750	-761	-1001	12141	132	12273	1647	13920	50.14
MUs	111.85	19.13	7.82	138.79	5.55	75.22	0.97	111.80	117.46	-19.31	-20.81	317.73	12.82	330.54	45.72	376.26	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 20/Jan/2014

Position as on 6.30 Hrs of 21/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.	
CPP WPCL U-2	135	13/12/2013	13.17		Continued.	ID Fan problem	
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	
Khaparkheda Unit 2	210	07/01/2014	21.02	20/01/2014	16.43	Heavy oil consumption.	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
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.	
Khaparkheda Unit 5	500	16/01/2014	20.59	20/01/2014	17.08	Air Preheater problem.	
CPP Adani U-3	660	17/01/2014	1.26		Continued.	Bursting B ph bushing og GT	
Koradi Unit 5	200	18/01/2014	01.34		Continued.	ID Fan Problem.	
Khaparkheda Unit 2	210	20/01/2014	16.48	20/01/2014	17.40	Tripped on RPP	
Khaparkheda Unit 2	210	20/01/2014	18.51	21/01/2014	03.19	Generator Protection	
Chandrapur Unit 1	210	20/01/2014	22:32		Continued.	COAL MILL PROBLEM.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jan/2014

Position as on 6.30 Hrs of 21/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
Halkarni-Mahalaxmi	20/01/2014	08.18	20/01/2014	17.56	Replacement of Insulator Strings
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
A'bad-Talegaon PG-1	16/01/2014	11.59	20/01/2014	15.00	Outage For Akola-A'bad CKT 2 Code 1650.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	19/01/2014	16.10	20/01/2014	08.07	Over Voltage
Kolhapur-Solapur (PG) II	19/01/2014	16.49		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	19/01/2014	21.45	20/01/2014	06.51	Over Voltage
Kolhapur-Mapusa-II	20/01/2014	11.48		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	20/01/2014	22.08		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
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad - II Tie Bay	18/01/2014	12.46		Continued.	problem in B-ph pole
400/220 KV 315 MVA ICT-I @ Nagothane	20/01/2014	09.41	20/01/2014	18.47	Q.M.Work
400/220 KV 500 MVA ICT-I @ Deepnagar	20/01/2014	12.50	20/01/2014	16.50	Collect CT Oil Sample for DGA Analysis
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
Kandalgaon - Topworth	20/01/2014	09.05	20/01/2014	17.55	Making Temp.Tap arrangement
Abhijeet-Wardha-I	20/01/2014	10.03	20/01/2014	17.25	Measurement of Tan Delta of CT
Khaparkheda - Suryalaxmi	20/01/2014	12.58	20/01/2014	18.39	Dismantling of Abandoned Tower
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal - Deepnagar - II	03/01/2014	15.47		Continued.	For Change Over.
Talegaon PG - Aurangabad - II	09/01/2014	13.41		Continued.	over voltage
Bhusawal- Aurangabad	18/01/2014	17.12		Continued.	over voltage
Karad - Kolhapur - II	19/01/2014	15.46	20/01/2014	09.08	Over Voltage
Karad-Jaigad I	19/01/2014	20.42	20/01/2014	09.11	Over Voltage
Lonikand- Koyna Stage IV	19/01/2014	21.52	20/01/2014	08.14	Over Voltage
Karad-Kolhapur-II	20/01/2014	16.13		Continued.	Over Voltage
Karad-Jaigad I	20/01/2014	16.17		Continued.	Over Voltage
Lonikand- Koyna Stage IV	20/01/2014	21.49		Continued.	Over Voltage
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
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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jan/2014

Position as on 6.30 Hrs of 21/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	31/12/2013	02.29		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Khaparkheda-Kawlewada-I	20/01/2014	14.50	20/01/2014	16.31	Distance Protection
Butibori-Indorama	20/01/2014	14.50	20/01/2014	15.34	Tripped at Indorama end
Pophali - KDPH	20/01/2014	15.05	20/01/2014	17.30	Tripped at KDPH Only
Karad-Kadegaon	20/01/2014	15.05	20/01/2014	20.53	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Jan/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	155
	620	285
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	194
Unit 5	500	237
	1420	721
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	155
Unit 6	250	190
Unit 7	250	210
	1130	715
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	190
Unit 4	210	200
Unit 5	500	0
Unit 6	500	420
Unit 7	500	380
	2340	1190
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	190
Unit 4	210	190
Unit 5	500	400
	1340	1120
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	330
	852	330
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	20
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	66
BHTGR/VEER	21	3
BHIRA T.R.	80	0
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	10
GHATGHAR	250	0
	611	129
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	850
WARDHA	405	230
Adani	1980	1234
Other CPPs	300	245
	3885	2559
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	5217
	3455	5217