



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Jan/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.427	2121.296	1) Gujrat	3.652	97.522
2) Hydro	20.625	355.175	2) Madhya Pradesh	20.242	338.712
3) Gas	7.225	106.690	3) Chattisgarh	9.900	167.990
Total MSGENCO	140.277	2583.161	4) Maharashtra Net	79.440	1443.511
B) 1) JSW JAIGAD	19.506	353.016	(Incl. 765kV Solapur-Raichur)	-2.303	-3.264
2) WPCL	5.298	72.831	5) Goa	-5.592	-101.991
3) ADANI	27.070	624.600	6) TAPS 1&2 Injection	7.606	136.980
4) Other CPP / IPP	15.527	194.901	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.132	65.355	8) Pench (Excess)	-0.136	-1.128
6) PENCH (MS)	0.136	5.876			
7) SOLAR	0.908	14.937	# Total Cent. Sector	115.112	2081.596
C) 1) TPCL Thermal	14.721	288.796	F) Other Exchanges		
2) TPCL Hydro	4.712	72.348	1) With TPCL (Excess)	-16.539	-324.980
TOTAL TPCL	19.433	361.144	G) Bilateral Power *		
3) REL Thermal	5.734	127.505	1) MSEDCL Bilateral	15.480	318.095
D) STATE			Include PX	0.000	-18.787
1) Thermal (A1+C1+C3)	132.882	2537.597	2) MUMBAI Bilateral	14.240	276.275
2) Hydro (A2+B6+C2)	25.473	433.399	Include PX	3.704	106.381
3) Gas (A3)	7.225	106.690	3) MUMBAI Schedule	16.145	292.232
4) Wind (B5)	4.132	65.355	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	67.401	647.818	1) MSEDCL	311.427	5671.293
6) SOLAR (B7)	0.908	14.937	2) TPCL	27.430	538.953
TOTAL STATE	238.021	3805.796	3) REL	14.276	274.658
			TOTAL STATE	353.133	6484.904

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 1 Hrs
MSGENCO Thermal	4872	4813	4476
MSGENCO Hydro	2249	1584	127
MSGENCO Gas	322	316	239
MSGENCO Total Generation	7443	6713	4842
Central Sector Receipt	4881	4871	4340
WIND	50	59	521
CPP / IPP	2991	2959	2400
SOLAR	106	49	0
Exchange with Mumbai	-834	-560	-670
MSEDCL DEMAND MET	14677	14091	11436
Load Shedding	617	402	67
MSEDCL DEMAND	15294	14493	11503
TPCL GENERATION	1099	1107	481
R-INFRA GENERATION	262	262	209
TPCL+R-INFRA DEMAND	2195	1929	1360
STATE DEMAND MET	16872	16020	12796
STATE DEMAND	17489	16422	12863
Frequency (Hz)	49.97	49.96	50.29

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.66 Hz at 02:56 Hrs	49.62 Hz at 22:00 Hrs	50.07	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/Jan/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.10	30.64	79	0	0
Unit 6	3.36	55.77	162	118	117
Unit 7	3.55	60.69	170	120	117
Total	7.01	147.10			234
Bhusawal					
Unit 2	3.32	51.58	145	130	140
Unit 3	3.54	55.07	160	135	150
Unit 4	9.00	161.88	430	300	430
Unit 5	6.40	119.97	300	210	301
Total	22.26	388.50			1021
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.06	62.67	189	152	155
Unit 5	3.84	36.70	189	140	150
Unit 6	5.07	79.00	237	178	180
Unit 7	4.94	77.72	241	178	180
Total	17.92	256.10			665
Chandrapur					
Unit 1	2.95	58.42	128	118	140
Unit 2	0.00	45.34	0	0	0
Unit 3	4.10	73.91	178	157	200
Unit 4	4.54	83.04	207	162	210
Unit 5	0.00	0.00	0	0	0
Unit 6	9.68	148.97	440	360	400
Unit 7	9.35	160.72	430	344	400
Total	30.63	570.39			1350
Paras					
Unit 3	4.96	80.21	235	195	250
Unit 4	5.25	89.65	248	174	250
Total	10.20	169.86			500
Khaparkheda					
Unit 1	3.55	65.02	180	125	160
Unit 2	0.00	21.27	0	0	0
Unit 3	4.26	69.12	185	162	170
Unit 4	3.77	69.54	187	139	140
Unit 5	0.00	146.78	0	0	0
Total	11.58	371.71			470
Nasik					
Unit 3	4.35	76.14	195	165	190
Unit 4	4.23	76.52	189	165	190
Unit 5	4.25	64.96	187	165	190
Total	12.83	217.62			570
Uran					
All Units	7.22	106.69	336	239	315
Total	7.22	106.69			315
PENCH (MS)					
Pench (MS)	0.14	5.88	40	0	0
Total	0.14	5.88			0
Koyna					
Stage 1-2	4.17	84.06	535	40	600
Stage 4	8.65	146.56	1114	0	250
Stage 3	2.96	48.73	320	0	320
Kovna 12&4 Total	12.82	230.62			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	15.78	279.35			1170
Hydro					
KDPH	0.46	7.52	20	19	19
VTRNA	0.00	0.00	0	0	0
TILLARI	0.40	2.96	66	0	66
BHTGR/VEER	0.06	1.31	3	2	5
BHIRA T.R.	0.00	2.54	0	0	0
RNGR+BHTSA	0.37	5.51	16	15	15
BHANDARDRA	0.00	2.02	0	0	0
ELDARY	0.36	1.71	15	15	0
SMLHY PTN	0.89	17.67	45	34	25
GHATGHAR	2.31	34.57	250	0	0
Total	4.84	75.82			130
Wind					
MalharPeth	0.10	2.42			
Vankuswadi	0.18	4.33			
ATIT	0.02	1.24			
Kale	0.09	1.45			
Satara	0.80	15.47			
Shirala	0.15	1.39			
K Mahankal	0.00	0.91			
Supa	0.13	1.46			
Vita	0.24	3.67			
Dondaicha	1.56	21.58			
Sakri	0.21	2.90			
Nandurbar	0.15	1.75			
Khandke	0.21	4.03			
Khaparale	0.29	2.78			
Total	4.13	65.36			
CPP					
JSW JAIGAD	19.51	353.02	903	710	821
WARDHA	5.30	72.83	234	203	230
Adani	27.07	624.60	1230	860	1190
Other CPPs	15.53	194.90			284
Total	67.40	1245.35			2525
SOLAR					
Total	0.91	14.94			
Total	0.91	14.94			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.32	182.78	501	277	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.79	34.59	130	104	120
Trombay 7B	1.61	22.87	72	62	60
Trombay 8	0.00	48.56	0	0	0
TATA Hydro	4.71	72.35	434	0	447
Total	19.43	361.14			1127
REL					
1&2	5.73	127.50	263	201	250
Total	5.73	127.50			250
Cent Sect					
Share					5131
Total					5131
MS PG CL	Thermal	112.43	2121.30		4810
	Thml+Gas	119.65	2227.99		5125
	Hydro	20.62	355.18		1300
	Total	140.28	2583.16		6425
State Total		238.02	3805.80		15458

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/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	4476	127	239	4842	521	2400	0	4615	4340	-652	-670	11436	67	11503	1360	12863	50.29
2	4405	127	239	4771	477	2384	0	4154	4426	-605	-548	11510	193	11703	1236	12939	50.41
3	4358	127	241	4726	401	2405	0	4001	4451	-578	-482	11501	204	11705	1171	12876	50.51
4	4306	132	241	4679	407	2395	0	3873	4571	-578	-446	11606	215	11821	1137	12958	50.37
5	4361	127	241	4729	302	2402	0	4386	4597	-560	-468	11562	264	11826	1157	12983	50.27
6	4456	132	240	4828	239	2463	0	4793	5451	-595	-507	12474	433	12907	1270	14177	50.17
7	4713	126	290	5129	91	2797	0	4836	4862	-522	-483	12396	873	13269	1415	14684	50.07
8	4808	761	330	5899	43	2960	10	4804	5437	-525	-490	13859	933	14792	1575	16367	49.94
9	4846	1663	333	6842	35	2902	39	4561	4541	-567	-624	13735	874	14609	1819	16428	49.92
10	4801	2172	326	7299	31	2995	80	4511	4770	-695	-713	14489	626	15115	2062	17177	49.91
11	4872	2249	322	7443	50	2991	106	4720	4881	-858	-834	14677	617	15294	2195	17489	49.97
12	4885	2209	322	7416	39	2996	157	4747	4787	-908	-873	14552	726	15278	2197	17475	50.03
13	4798	1897	315	7010	33	2984	132	4753	5246	-857	-816	14589	844	15433	2127	17560	49.95
14	4870	1554	311	6735	50	2965	112	4733	4865	-716	-666	14061	713	14774	1993	16767	49.90
15	4866	1941	310	7117	62	2996	116	4502	4498	-682	-615	14174	504	14678	1986	16664	49.88
16	4754	2069	315	7138	62	2963	95	4395	4637	-650	-551	14344	450	14794	1941	16735	49.92
17	4813	1584	316	6713	59	2959	49	4487	4871	-624	-560	14091	402	14493	1929	16422	49.96
18	4924	396	320	5640	84	3027	12	4682	4407	-614	-791	12379	389	12768	1932	14700	50.04
19	4930	251	322	5503	110	3015	0	5002	4856	-737	-788	12696	166	12862	2042	14904	49.89
20	4909	351	326	5586	208	3004	0	5090	5038	-803	-740	13112	161	13273	2105	15378	49.99
21	4737	207	326	5270	231	2852	0	5043	5166	-753	-986	12553	96	12649	2024	14673	50.01
22	4597	131	332	5060	198	2910	0	4713	4898	-666	-1112	11954	57	12011	1872	13883	50.12
23	4521	166	332	5019	215	2908	0	4569	4667	-655	-948	11861	25	11886	1665	13551	50.02
24	4421	126	336	4883	184	2728	0	4657	4849	-744	-828	11816	24	11840	1496	13336	50.13
MUs	112.43	20.62	7.22	140.28	4.13	67.40	0.91	110.63	115.11	-16.14	-16.54	311.43	9.86	321.28	41.71	362.99	50.07

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/Jan/2014

Position as on 6.30 Hrs of 19/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		Continued.	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		Continued.	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.	

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

Position as on 6.30 Hrs of 19/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
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
A'bad-Talegaon PG-1	16/01/2014	11.59		Continued.	Outage For Akola-A'bad CKT 2 Code 1650.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
MUDSHINGI-CHIKODI	18/01/2014	18.40	18/01/2014	21.53	testing work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	17/01/2014	16.05	18/01/2014	9.30	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	17/01/2014	21.49	18/01/2014	8.12	Over Voltage.
Dhule-Sar'Sarovar - II	17/01/2014	22.01	18/01/2014	10.04	Over Voltage.
Kolhapur - Mapusa - II	18/01/2014	16.12	19/01/2014	09.01	over voltage
Dhule-Sar'Sarovar - I	18/01/2014	22.17	19/01/2014	07.30	over voltage
Kolhapur - Mapusa - I	19/01/2014	16.10		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	19/01/2014	16.49		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	19/01/2014	21.45		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		
400/132 KV 200 MVA ICT - II @ Khadka	11/11/2013	09.07	19/01/2014	17.01	Repl.of Old 200 MVA ICT Under LES
Akola - Aurangabad - II Tie Bay	18/01/2014	12.46		Continued.	problem in B-ph pole
Deepnagar - Aurangabad - II & Tie Bay	18/01/2014	14.10	18/01/2014	16.20	Taking oil samples for DGA analysis
400/220 KV 315 MVA ICT-II @ Chandrapur	18/01/2014	9.29	18/01/2014	18.24	Tan Delta & Penting 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 STRENGTHENING WORK
Main Bus - I @ Dahanu	17/01/2014	09.13	19/01/2014	17.00	P.M.Work
Dahanu-Bhoisor	19/01/2014	08.46	19/01/2014	17.41	Annual Bay Maint.at Dahanu
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Aurangabad PG- Akola	18/01/2014	12.08	18/01/2014	12.10	first time charge
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Mudshingi-Wathar	19/01/2014	19.20	19/01/2014	19.40	Hot Spot
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
Karad - Kolhapur - II	17/01/2014	16.02	18/01/2014	7.05	Over Voltage.
Karad-Jaigad I	17/01/2014	16.40	18/01/2014	7.07	Over Voltage.
Lonikand- Koyna Stage IV	17/01/2014	21.33	18/01/2014	7.11	Over Voltage.
Karad - Kolhapur - I	18/01/2014	16.36	19/01/2014	09.30	over voltage

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

Position as on 6.30 Hrs of 19/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	18/01/2014	17.12		Continued.	over voltage
Karad-Jaigad I	18/01/2014	21.28	19/01/2014	09.56	over voltage
Lonikand- Koyna Stage IV	18/01/2014	21.32	19/01/2014	08.18	over voltage
Karad - Kolhapur - II	19/01/2014	15.46		Continued.	Over Voltage
Karad-Jaigad I	19/01/2014	20.42		Continued.	Over Voltage
Lonikand- Koyna Stage IV	19/01/2014	21.52		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.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	31/12/2013	02.29		Continued.	Over Voltage.
Aurangabad(M)- Aurangabad PG	17/01/2014	22.15	18/01/2014	11.44	Tripped.
Aurangabad(M)- Aurangabad PG	18/01/2014	21.58	19/01/2014	5.55	over voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Kalwa-Salsette-I	19/01/2014	09.32	19/01/2014	09.42	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/Jan/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	155
	620	305
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	430
Unit 5	500	300
	1420	1020
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	160
Unit 6	250	180
Unit 7	250	185
	1130	680
Chandrapur		
Unit 1	210	130
Unit 2	210	0
Unit 3	210	170
Unit 4	210	200
Unit 5	500	0
Unit 6	500	400
Unit 7	500	400
	2340	1300
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	180
Unit 2	210	0
Unit 3	210	190
Unit 4	210	190
Unit 5	500	0
	1340	560
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	0
	53	0
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	16
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	9
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	819
WARDHA	405	230
Adani	1980	1234
Other CPPs	300	245
	3885	2528
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	250
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	877
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	5167
	3455	5167