



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Jan/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.614	2231.910	1) Gujrat	7.902	105.424
2) Hydro	15.006	370.181	2) Madhya Pradesh	19.254	357.966
3) Gas	7.893	114.583	3) Chattisgarh	9.780	177.770
Total MSGENCO	133.513	2716.674	4) Maharashtra Net	81.806	1525.317
B) 1) JSW JAIGAD	19.155	372.171	(Incl. 765kV Solapur-Raichur)	0.511	-2.753
2) WPCL	5.348	78.179	5) Goa	-4.979	-106.970
3) ADANI	27.980	652.580	6) TAPS 1&2 Injection	7.592	144.572
4) Other CPP / IPP	16.019	210.920	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.726	70.081	8) Pench (Excess)	-0.253	-1.381
6) PENCH (MS)	0.253	6.129	# Total Cent. Sector	121.102	2202.698
7) SOLAR	0.833	15.770	F) Other Exchanges		
C) 1) TPCL Thermal	11.217	300.013	1) With TPCL (Excess)	-16.741	-341.721
2) TPCL Hydro	2.857	75.205	G) Bilateral Power *		
TOTAL TPCL	14.074	375.218	1) MSEDCL Bilateral	15.360	333.455
3) REL Thermal	6.282	133.787	Include PX	0.000	-18.787
D) STATE			2) MUMBAI Bilateral	11.642	287.917
1) Thermal (A1+C1+C3)	128.113	2665.710	Include PX	1.402	107.783
2) Hydro (A2+B6+C2)	18.116	451.515	3) MUMBAI Schedule	12.445	304.677
3) Gas (A3)	7.893	114.583	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.726	70.081	1) MSEDCL	312.188	5983.481
5) CPP/IPP (B1+B2+B3+B4)	68.502	689.250	2) TPCL	24.355	563.308
6) SOLAR (B7)	0.833	15.770	3) REL	12.740	287.398
TOTAL STATE	228.183	4006.909	TOTAL STATE	349.283	6834.187

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4873	4655	4411
MSGENCO Hydro	2165	852	136
MSGENCO Gas	318	317	347
MSGENCO Total Generation	7356	5824	4894
Central Sector Receipt	5144	5284	4636
WIND	217	72	182
CPP / IPP	3024	2980	2491
SOLAR	103	24	0
Exchange with Mumbai	-769	-705	-494
MSEDCL DEMAND MET	15100	13482	11722
Load Shedding	826	672	26
MSEDCL DEMAND	15926	14154	11748
TPCL GENERATION	798	581	435
R-INFRA GENERATION	262	261	263
TPCL+R-INFRA DEMAND	1829	1547	1192
STATE DEMAND MET	16929	15029	12914
STATE DEMAND	17755	15701	12940
Frequency (Hz)	50.02	50.04	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 23:41 Hrs	49.76 Hz at 08:04 Hrs	50.06	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/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	3.27	59.05	159	87	150
Unit 7	3.44	64.13	165	125	155
Total	6.71	153.81			305
Bhusawal					
Unit 2	3.30	54.88	150	130	140
Unit 3	3.52	58.59	155	135	150
Unit 4	7.17	169.06	400	145	430
Unit 5	5.27	125.24	280	100	300
Total	19.26	407.76			1020
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.07	66.74	186	152	155
Unit 5	4.02	40.73	178	146	160
Unit 6	5.08	84.08	250	181	180
Unit 7	5.10	82.82	245	177	185
Total	18.27	274.37			680
Chandrapur					
Unit 1	3.09	61.52	135	123	130
Unit 2	0.00	45.34	0	0	0
Unit 3	4.21	78.12	185	166	170
Unit 4	4.71	87.75	205	172	200
Unit 5	0.00	0.00	0	0	0
Unit 6	9.97	158.94	440	360	400
Unit 7	8.55	169.26	408	302	400
Total	30.54	600.93			1300
Paras					
Unit 3	4.94	85.15	230	174	220
Unit 4	5.44	95.09	255	174	220
Total	10.38	180.24			440
Khaparkheda					
Unit 1	4.02	69.04	195	145	180
Unit 2	0.00	21.27	0	0	0
Unit 3	4.31	73.43	182	171	190
Unit 4	4.53	74.07	197	170	190
Unit 5	0.00	146.78	0	0	0
Total	12.86	384.58			560
Nasik					
Unit 3	4.11	80.26	185	160	190
Unit 4	4.22	80.74	190	163	190
Unit 5	4.26	69.22	187	168	190
Total	12.59	230.22			570
Uran					
All Units	7.89	114.58	349	309	330
Total	7.89	114.58			330
PENCH (MS)					
Pench (MS)	0.25	6.13	27	0	0
Total	0.25	6.13			0
Koyna					
Stage 1-2	3.20	87.26	515	40	600
Stage 4	5.10	151.66	1052	0	250
Stage 3	1.68	50.41	320	0	320
Kovna 12&4 Total	8.31	238.93			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	9.99	289.34			1170
Hydro					
KDPH	0.46	7.97	19	18	20
VTRNA	0.00	0.00	0	0	0
TILLARI	0.37	3.33	66	0	66
BHTGR/VEER	0.06	1.38	3	0	3
BHIRA T.R.	0.00	2.54	0	0	0
RNGR+BHTSA	0.37	5.88	16	15	16
BHANDARDRA	0.00	2.02	0	0	0
ELDARY	0.36	2.07	15	14	15
SMLHY PTN	1.09	18.77	53	42	9
GHATGHAR	2.31	36.88	240	0	0
Total	5.02	80.84			129
Wind					
MalharPeth	0.07	2.48			
Vankuswadi	0.16	4.49			
ATIT	0.01	1.24			
Kale	0.03	1.48			
Satara	0.85	16.32			
Shirala	0.03	1.42			
K Mahankal	0.00	0.91			
Supa	0.14	1.59			
Vita	0.43	4.10			
Dondaicha	1.62	23.20			
Sakri	0.23	3.13			
Nandurbar	0.14	1.88			
Khandke	0.57	4.59			
Khaparale	0.46	3.23			
Total	4.73	70.08			
CPP					
JSW JAIGAD	19.16	372.17	902	701	819
WARDHA	5.35	78.18	231	214	230
Adani	27.98	652.58	1230	960	1234
Other CPPs	16.02	210.92			245
Total	68.50	1313.85			2528
SOLAR					
Total	0.83	15.77			
Total	0.83	15.77			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	6.58	189.36	465	247	250
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.96	37.55	131	113	120
Trombay 7B	1.67	24.54	72	66	60
Trombay 8	0.00	48.56	0	0	0
TATA Hydro	2.86	75.20	350	0	447
Total	14.07	375.22			877
REL					
1&2	6.28	133.79	264	249	250
Total	6.28	133.79			250
Cent Sect					
Share					5167
Total					5167
MS PG CL	Thermal	110.61	2231.91		4875
	Thml+Gas	118.51	2346.49		5205
	Hydro	15.01	370.18		1299
	Total	133.51	2716.67		6504
State Total		228.18	4006.91		15326

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	4439	141	347	4927	181	2504	0	4201	4955	-389	-625	11942	14	11956	1307	13263	50.00
2	4411	136	347	4894	182	2491	0	4087	4636	-383	-494	11722	26	11748	1192	12940	50.05
3	4394	136	347	4877	225	2551	0	4059	4897	-387	-436	12131	26	12157	1135	13292	50.08
4	4367	146	349	4862	308	2493	0	4041	4879	-402	-411	12131	26	12157	1111	13268	50.15
5	4403	156	342	4901	391	2584	0	4042	4621	-403	-416	12081	28	12109	1114	13223	50.08
6	4596	146	340	5082	275	2836	0	4610	4926	-405	-498	12621	155	12776	1196	13972	50.14
7	4784	141	339	5264	254	2918	0	4758	4907	-404	-577	12766	579	13345	1287	14632	49.99
8	4831	395	339	5565	186	2931	8	4841	5308	-405	-633	13372	1083	14455	1402	15857	50.02
9	4832	1712	335	6879	180	2907	35	4741	4963	-479	-661	14329	1032	15361	1569	16930	49.94
10	4887	2203	326	7416	175	2938	67	4816	4910	-575	-691	14841	769	15610	1728	17338	49.97
11	4873	2165	318	7356	217	3024	103	4691	5144	-649	-769	15100	826	15926	1829	17755	50.02
12	4884	1327	314	6525	308	3035	119	4937	5582	-664	-826	14743	940	15683	1852	17535	50.06
13	4883	1058	309	6250	245	2892	136	4813	5650	-634	-770	14403	1084	15487	1796	17283	49.99
14	4774	888	313	5975	292	2920	114	4930	5477	-585	-661	14131	955	15086	1691	16777	50.14
15	4702	661	313	5676	163	2945	111	4924	5824	-521	-618	14127	725	14852	1605	16457	50.12
16	4643	1069	314	6026	121	2939	110	4843	5817	-478	-676	14362	655	15017	1548	16565	50.10
17	4655	852	317	5824	72	2980	24	4869	5284	-462	-705	13482	672	14154	1547	15701	50.04
18	4479	324	321	5124	77	3000	6	4541	4499	-499	-846	11884	613	12497	1590	14087	50.10
19	4496	202	321	5019	107	3027	0	5018	5251	-632	-945	12486	175	12661	1775	14436	50.04
20	4478	338	324	5140	110	2982	0	4992	5143	-722	-936	12459	209	12668	1917	14585	50.00
21	4545	369	326	5240	154	2904	0	4409	4907	-684	-944	12261	135	12396	1925	14321	50.05
22	4433	170	328	4931	203	2903	0	4244	4412	-640	-942	11507	53	11560	1789	13349	50.06
23	4388	136	332	4856	164	2889	0	4343	4479	-577	-888	11500	16	11516	1659	13175	50.09
24	4437	135	332	4904	136	2909	0	4188	4631	-462	-773	11807	14	11821	1533	13354	50.28
MUs	110.61	15.01	7.89	133.51	4.73	68.50	0.83	109.94	121.10	-12.44	-16.74	312.19	10.81	323.00	37.10	360.10	50.06

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/Jan/2014

Position as on 6.30 Hrs of 20/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 19/Jan/2014

Position as on 6.30 Hrs of 20/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 : 400KV			Outage Type HAND TRIPPED		
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
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 : 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 - I	18/01/2014	16.36	19/01/2014	09.30	over voltage
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		

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

Position as on 6.30 Hrs of 20/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Dabhol-Nagothane - II	31/12/2013	02.29		Continued.	Over Voltage.
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 20/Jan/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	160
	620	300
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	180
Unit 5	210	180
Unit 6	250	250
Unit 7	250	250
	1130	860
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	170
Unit 4	210	210
Unit 5	500	0
Unit 6	500	430
Unit 7	500	400
	2340	1350
Paras		
Unit 3	250	210
Unit 4	250	230
	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	
	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	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	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	5231
	3455	5231