



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/May/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.817	2325.762	1) Gujrat	5.447	158.716
2) Hydro	24.166	242.180	2) Madhya Pradesh	19.543	398.738
3) Gas	11.281	239.680	3) Chattisgarh	8.930	163.850
Total MSGENCO	150.264	2807.622	4) Maharashtra Net	81.808	1632.990
B) 1) JSW JAIGAD	20.833	379.309	(Incl. 765kV Solapur-Raichur)	-1.710	-1.864
2) WPCL	2.797	52.033	5) Goa	-6.266	-133.178
3) ADANI	43.342	784.356	6) TAPS 1&2 Injection	7.340	140.687
4) Other CPP / IPP	25.468	413.439	7) RGPPL Injection	0.000	0.000
5) Wind Generation	9.902	222.690	8) Pench (Excess)	-0.250	-3.456
6) PENCH (MS)	0.250	3.456			
7) SOLAR	0.853	18.778	# Total Cent. Sector	116.552	2358.347
C) 1) TPCL Thermal	19.292	346.892	F) Other Exchanges		
2) TPCL Hydro	5.796	71.137	1) With TPCL (Excess)	-27.010	-493.351
TOTAL TPCL	25.088	418.029	G) Bilateral Power *		
3) REL Thermal	12.488	231.507	1) MSEDCL Bilateral	21.635	508.289
D) STATE			Include PX	0.009	79.434
1) Thermal (A1+C1+C3)	146.597	2904.161	2) MUMBAI Bilateral	28.598	519.095
2) Hydro (A2+B6+C2)	30.212	316.773	Include PX	1.530	56.701
3) Gas (A3)	11.281	239.680	3) MUMBAI Schedule	28.598	520.174
4) Wind (B5)	9.902	222.690	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	92.440	1629.137	1) MSEDCL	343.251	6546.679
6) SOLAR (B7)	0.853	18.778	2) TPCL	41.098	728.558
TOTAL STATE	291.285	5331.219	3) REL	23.488	414.314
			TOTAL STATE	407.837	7689.551

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4926	4863	4548
MSGENCO Hydro	1966	2024	461
MSGENCO Gas	407	422	423
MSGENCO Total Generation	7299	7309	5432
Central Sector Receipt	5153	5390	4637
WIND	231	222	604
CPP / IPP	3934	3927	3703
SOLAR	102	85	0
Exchange with Mumbai	-1416	-1382	-753
MSEDCL DEMAND MET	15303	15551	13623
Load Shedding	755	545	205
MSEDCL DEMAND	16058	16096	13828
TPCL GENERATION	1289	1357	814
R-INFRA GENERATION	519	520	522
TPCL+R-INFRA DEMAND	3224	3259	2089
STATE DEMAND MET	18527	18810	15712
STATE DEMAND	19282	19355	15917
Frequency (Hz)	49.93	49.89	49.84

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 05.55 Hrs	49.4 Hz at 23.57 Hrs	49.87	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/May/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	3.90	65.62	170	150	150
Unit 7	4.23	65.03	207	150	170
Total	8.13	130.65			320
Bhusawal					
Unit 2	2.30	60.77	145	0	130
Unit 3	3.02	46.60	155	115	125
Unit 4	7.62	158.68	470	275	279
Unit 5	6.77	145.60	360	240	266
Total	19.71	411.65			800
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	23.40	0	0	0
Unit 5	3.84	71.70	166	149	105
Unit 6	4.58	87.34	229	180	185
Unit 7	3.82	62.09	204	92	138
Total	12.23	244.53			428
Chandrapur					
Unit 1	3.09	62.59	137	118	140
Unit 2	0.00	65.70	0	0	0
Unit 3	0.58	22.40	125	0	100
Unit 4	4.23	84.72	185	165	180
Unit 5	10.46	147.51	450	415	450
Unit 6	9.47	174.07	415	345	420
Unit 7	8.32	161.75	383	256	380
Total	36.15	718.74			1670
Paras					
Unit 3	4.46	73.46	214	167	180
Unit 4	5.00	87.15	249	156	180
Total	9.46	160.61			360
Khaparkheda					
Unit 1	3.20	68.12	155	105	140
Unit 2	3.22	63.48	155	115	140
Unit 3	3.45	61.85	154	137	140
Unit 4	3.45	66.88	153	138	140
Unit 5	8.00	162.32	470	286	350
Total	21.31	422.64			910
Nasik					
Unit 3	4.34	82.47	190	175	190
Unit 4	3.44	74.97	187	0	50
Unit 5	0.04	79.50	39	0	0
Total	7.83	236.94			240
Uran					
All Units	11.28	239.68	580	395	455
Total	11.28	239.68			455
PENCH (MS)					
Pench (MS)	0.25	3.46	27	0	
Total	0.25	3.46			
Koyna					
Stage 1-2	6.80	58.22	530	45	600
Stage 4	9.66	68.19	1120	0	250
Stage 3	3.88	28.98	320	0	320
Kovna 12&4 Total	16.46	126.42			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	20.35	155.40			1170
Hydro					
KDPH	0.29	5.35	13	12	18
VTRNA	1.20	22.52	61	0	61
TILLARI	0.41	8.16	64	0	60
BHTGR/VEER	0.09	1.04	4	3	0
BHIRA T.R.	0.16	4.41	41	0	40
RNGR+BHTSA	0.28	4.03	13	11	10
BHANDARDRA	0.09	9.59	34	0	0
ELDARY	0.00	2.96	0	0	0
SMLHY PTN	0.54	11.96	31	20	17
GHATGHAR	0.76	16.76	198	0	0
Total	3.82	86.78			206
Wind					
MalharPeth	0.12	3.37			
Vankuswadi	0.30	8.20			
ATIT	0.03	0.84			
Kale	0.06	2.19			
Satara	3.71	73.92			
Shirala	0.10	3.94			
K Mahankal	0.02	0.50			
Supa	0.25	2.18			
Vita	0.62	17.42			
Dondaicha	3.31	79.32			
Sakri	0.49	10.33			
Nandurbar	0.25	7.50			
Khandke	0.46	4.10			
Khaparale	0.18	8.88			
Total	9.90	222.69			
CPP					
JSW JAIGAD	20.83	379.31	915	776	825
WARDHA	2.80	52.03	122	106	120
Adani	43.34	784.36	1820	1770	1846
Other CPPs	25.47	413.44			915
Total	92.44	1629.14			3706
SOLAR					
Total	0.85	18.78			
Total	0.85	18.78			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.45	193.49	472	307	500
Trombay 6	4.36	72.82	290	154	500
Trombay 7A	2.86	50.86	122	114	120
Trombay 7B	1.62	29.72	69	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.80	71.14	471	0	447
Total	25.09	418.03			1627
REL					
1&2	12.49	231.51	522	519	500
Total	12.49	231.51			500
Cent Sect					
Share					5000
Total					5000
MS PG CL	Thermal	114.82	2325.76		4728
	Thml+Gas	126.10	2565.44		5183
	Hydro	24.17	242.18		1376
	Total	150.26	2807.62		6559
State Total		291.28	5331.22		17392

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/May/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	4568	942	443	5953	723	3750	0	4716	4791	-1166	-1102	14142	119	14261	2436	16697	49.80
2	4514	901	423	5838	619	3755	0	4721	4676	-1174	-935	13980	181	14161	2230	16391	49.93
3	4581	787	423	5791	648	3721	0	4662	4625	-1037	-808	14004	196	14200	2145	16345	49.85
4	4548	461	423	5432	604	3703	0	4681	4637	-1042	-753	13623	205	13828	2089	15917	49.84
5	4664	451	428	5543	536	3689	0	4628	4685	-950	-656	13797	236	14033	1992	16025	49.88
6	4693	487	431	5611	498	3719	0	4747	4749	-1061	-679	13898	361	14259	2015	16274	49.97
7	4790	167	430	5387	480	3680	3	4833	4812	-1108	-721	13641	715	14356	2049	16405	49.95
8	4794	221	429	5444	373	3771	30	4776	4791	-966	-789	13620	873	14493	2110	16603	49.90
9	4788	508	433	5729	330	3916	57	4858	4975	-1118	-1036	13971	835	14806	2399	17205	49.85
10	4786	1344	415	6545	346	3930	93	5209	5288	-1351	-1168	15034	611	15645	2654	18299	49.82
11	4807	1957	395	7159	294	3942	94	5148	5080	-1310	-1336	15233	616	15849	3043	18892	49.78
12	4926	1966	407	7299	231	3934	102	5064	5153	-1368	-1416	15303	755	16058	3224	19282	49.93
13	5142	1346	407	6895	160	3916	113	5072	5145	-1380	-1392	14837	930	15767	3258	19025	49.82
14	5161	1276	406	6843	150	3957	119	5025	5008	-1332	-1339	14738	832	15570	3198	18768	49.84
15	5178	1809	403	7390	104	3970	107	5029	4980	-1338	-1400	15151	661	15812	3255	19067	49.80
16	4863	2024	422	7309	222	3927	85	5035	5390	-1353	-1382	15551	545	16096	3259	19355	49.89
17	4591	2020	543	7154	252	3900	34	4794	4912	-1340	-1344	14908	535	15443	3251	18694	49.88
18	4639	534	567	5740	300	3926	15	4610	4683	-1274	-1300	13387	670	14057	3112	17169	49.99
19	4677	500	580	5757	376	3949	1	4092	4125	-1245	-1309	12922	536	13458	2915	16373	49.99
20	4787	816	573	6176	507	3896	0	4599	4164	-1120	-1254	13513	617	14130	2889	17019	49.84
21	4851	573	573	5997	372	3950	0	4748	4864	-1154	-1229	13978	394	14372	2825	17197	49.77
22	4813	735	572	6120	731	3876	0	4764	4391	-1151	-1180	13962	189	14151	2753	16904	49.85
23	4818	1074	575	6467	480	3917	0	4820	5427	-1142	-1225	15090	147	15237	2716	17953	49.76
24	4838	1267	580	6685	566	3746	0	5034	5199	-1118	-1257	14966	127	15093	2769	17862	49.83
MUs	114.82	24.17	11.28	150.26	9.90	92.44	0.85	115.66	116.55	-28.60	-27.01	343.25	11.89	355.14	64.59	419.72	49.87

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/May/2014

Position as on 6.30 Hrs of 20/May/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	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
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	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		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	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
CPP IPL U-2	270	29/04/2014	09:34		Continued.	PA Fan problem	
CPP Adani U1	660	30/04/2014	12.11		Continued.	BTL.	
Parli Unit 4	210	12/05/2014	00.20		Continued.	Coal Shortage.	
Nasik Unit 4	210	17/05/2014	16.33	19/05/2014	3.45	BTL	
Uran Unit 8	108	18/05/2014	23.05	19/05/2014	15.31	suspected gas leakage	
Chandrapur Unit 2	210	18/05/2014	5.45		Continued.	furance pressure high	
Nasik Unit 5	210	19/05/2014	00.40		Continued.	BLR T/L.	
Chandrapur Unit 3	210	19/05/2014	07.45		Continued.	PA Fan Problem.	
Bhusawal Unit 2	210	19/05/2014	12.22	19/05/2014	18.44	ID Fan Problem.	
CPP Adani U-4	660	19/05/2014	23.59		Continued.	Condenser valve leakage.	

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

Position as on 6.30 Hrs of 20/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	23/03/2014	17.18	19/05/2014	13.05	Hand Tripped.
765KV Akola II - Tiroda - I	19/05/2014	17.44		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	18/05/2014	16.45	19/05/2014	07.06	over voltage
Dhule-Sar'Sarovar - I	18/05/2014	18.55		Continued.	over voltage
Kolhapur - Mapusa - II	19/05/2014	17.10		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400KV GT-5Main Bay (410) at Deepnagar	13/05/2014	09.05		Continued.	Dismantling old 400KV main CB and erection and commissioning of new CB.
Padgha - Padgha HVDC - II	19/05/2014	19.32	19/05/2014	19.40	Shifted on Bus-I from II,due to hot spot on Bus II.
Padgha - Padgha HVDC - I	19/05/2014	19.42	19/05/2014	19.51	Shifted on Bus-II from I.
New Koyna - Dabhol - II	19/05/2014	6.31	19/05/2014	20.24	coal washing of line insulator
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Khaparkheda New - Khaparkheda Old - I	19/05/2014	07.45	19/05/2014	10.06	For attending hot spot.
Pedambe - Mahad	19/05/2014	09.25	19/05/2014	18.40	Repl.Of Flashover Insulators.
Tillawni-Talangade-I	19/05/2014	10.50	19/05/2014	13.58	Q.M.Work
Dhamangaon - Badnera	19/05/2014	11.04	19/05/2014	18.00	Repl.of Y-Ph CT & Q.M.Work.
Chikali - Paras - II	19/05/2014	11.07	19/05/2014	15.10	P.M.Work
Wardha - Yawatmal	19/05/2014	12.35	19/05/2014	16.00	For attending hot spot.
Kandalgaon-Bhira	19/05/2014	13.28	19/05/2014	17.40	Repl.of insulator.
Main Bus - I at Kolhapur.	19/05/2014	15.15		Continued.	Insulator cleaning work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Hinganghat-Jam Ckt II	19/05/2014	15.55	19/05/2014	15.58	First time charged.
132KV Bus at Jam S/S.	19/05/2014	17.10	19/05/2014	17.15	First time charged.
132/33KV,25MVA T/F I at Jam S/S.	19/05/2014	17.15	19/05/2014	17.20	First time charged.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Kalwa-Kalyan-Salsette - I	19/05/2014	09.10	19/05/2014	13.18	Dismantelling of jumper for OPGW work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.
Karad-Kolhapur-II	18/05/2014	17.04	19/05/2014	6.34	over voltage
Karad-Jaigad I	18/05/2014	17.08	19/05/2014	6.40	over voltage
Khadka - Aurangabad	18/05/2014	17.24	19/05/2014	6.47	over voltage
Karad - Kolhapur - II	19/05/2014	16.09		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Chikhali - Jalna - II	28/04/2014	01.14		Continued.	To control O/L of 220KV Paras-Chikhli
Vita - Lamboti	17/05/2014	9.27		Continued.	hand tripped
Nalasopara- Boiser PG	18/05/2014	15.01		Continued.	over voltage

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

Position as on 6.30 Hrs of 20/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Tilawani-Miraj	19/05/2014	10.15	19/05/2014	14.13	Faciliate outage on Talangade-Tilawani-I.
Voltage Level : 400KV			Outage Type TRIPPED		
Deepnagar-Aurangabad-I	19/05/2014	14.37	19/05/2014	21.29	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	180
	620	335
Bhusawal		
Unit 2	210	135
Unit 3	210	135
Unit 4	500	300
Unit 5	500	300
	1420	870
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	200
Unit 7	250	200
	1130	550
Chandrapur		
Unit 1	210	137
Unit 2	210	0
Unit 3	210	0
Unit 4	210	155
Unit 5	500	443
Unit 6	500	391
Unit 7	500	255
	2340	1381
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	190
Unit 2	210	185
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1295
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	630	380
Uran		
All Units	852	600
	852	600
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	11
ELDARY	23	
SMLHY PTN	12	21
GHATGHAR	250	
	611	230
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	825
WARDHA	405	120
Adani	2640	1246
Other CPPs	300	915
	4545	3106
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	450
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1577
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5659
	3455	5659