



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/May/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.693	1255.040	1) Gujrat	7.813	88.507
2) Hydro	6.208	115.165	2) Madhya Pradesh	18.456	211.068
3) Gas	12.405	124.691	3) Chattisgarh	9.250	84.620
Total MSGENCO	143.306	1494.896	4) Maharashtra Net	83.703	856.399
B) 1) JSW JAIGAD	20.080	199.583	(Incl. 765kV Solapur-Raichur)	-0.094	-0.427
2) WPCL	2.628	26.933	5) Goa	-7.020	-68.199
3) ADANI	40.183	408.149	6) TAPS 1&2 Injection	7.397	73.731
4) Other CPP / IPP	18.745	205.241	7) RGPPL Injection	0.000	0.000
5) Wind Generation	24.304	101.258	8) Pench (Excess)	-0.220	-1.711
6) PENCH (MS)	0.220	1.711	# Total Cent. Sector	119.379	1244.415
7) SOLAR	1.220	9.516	F) Other Exchanges		
C) 1) TPCL Thermal	17.828	189.569	1) With TPCL (Excess)	-26.851	-264.366
2) TPCL Hydro	3.038	35.367	G) Bilateral Power *		
TOTAL TPCL	20.866	224.936	1) MSEDCL Bilateral	25.129	265.246
3) REL Thermal	11.824	120.821	Include PX	0.396	52.566
D) STATE			2) MUMBAI Bilateral	26.406	277.201
1) Thermal (A1+C1+C3)	154.345	1565.430	Include PX	5.484	33.207
2) Hydro (A2+B6+C2)	9.466	152.243	3) MUMBAI Schedule	26.406	277.201
3) Gas (A3)	12.405	124.691	H) ENERGY CATERED (MUs)		
4) Wind (B5)	24.304	101.258	1) MSEDCL	343.214	3427.336
5) CPP/IPP (B1+B2+B3+B4)	81.636	839.906	2) TPCL	37.868	388.889
6) SOLAR (B7)	1.220	9.516	3) REL	21.674	221.239
TOTAL STATE	283.376	2793.044	TOTAL STATE	402.756	4037.464

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5417	5244	5125
MSGENCO Hydro	361	152	161
MSGENCO Gas	536	471	564
MSGENCO Total Generation	6314	5867	5850
Central Sector Receipt	5311	6108	4442
WIND	671	1094	1158
CPP / IPP	3755	3211	3165
SOLAR	160	115	0
Exchange with Mumbai	-1244	-1333	-956
MSEDCL DEMAND MET	14967	15062	13659
Load Shedding	255	113	98
MSEDCL DEMAND	15222	15175	13757
TPCL GENERATION	1081	993	654
R-INFRA GENERATION	521	515	393
TPCL+R-INFRA DEMAND	2846	2841	2003
STATE DEMAND MET	17813	17903	15662
STATE DEMAND	18068	18016	15760
Frequency (Hz)	49.88	49.98	49.91

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 17.56 Hrs	49.72 Hz at 23.00 Hrs	49.96	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 10/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	3.31	35.37	155	117	148
Unit 7	3.77	31.43	170	130	140
Total	7.08	66.80			288
Bhusawal					
Unit 2	3.40	32.56	170	125	134
Unit 3	3.08	29.58	140	115	137
Unit 4	7.85	84.78	385	280	317
Unit 5	7.80	78.70	400	295	300
Total	22.13	225.60			888
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.82	19.74	166	146	160
Unit 5	3.86	37.76	168	152	161
Unit 6	4.57	46.41	243	182	185
Unit 7	3.67	41.27	227	0	180
Total	15.93	145.17			686
Chandrapur					
Unit 1	3.35	33.36	142	137	150
Unit 2	3.80	38.16	166	154	150
Unit 3	0.00	17.24	0	0	0
Unit 4	4.52	45.56	208	170	180
Unit 5	9.58	65.92	450	350	400
Unit 6	8.94	91.67	395	350	380
Unit 7	8.26	86.93	404	308	350
Total	38.45	378.83			1610
Paras					
Unit 3	3.97	44.68	178	152	160
Unit 4	4.95	39.75	226	178	220
Total	8.92	84.42			380
Khaparkheda					
Unit 1	3.76	37.84	170	140	190
Unit 2	0.42	34.27	140	0	0
Unit 3	4.02	28.29	184	137	210
Unit 4	2.16	33.73	174	0	0
Unit 5	8.91	90.15	488	350	500
Total	19.26	224.29			900
Nasik					
Unit 3	4.33	43.43	190	175	190
Unit 4	4.22	42.46	182	169	185
Unit 5	4.37	44.04	196	170	190
Total	12.92	129.93			565
Uran					
All Units	12.40	124.69	612	429	620
Total	12.40	124.69			620
PENCH (MS)					
Pench (MS)	0.22	1.71	33	0	
Total	0.22	1.71			
Koyna					
Stage 1-2	1.57	26.76	330	40	600
Stage 4	0.00	28.08	0	0	250
Stage 3	0.66	12.59	186	0	320
Kovna 12&4 Total	1.57	54.85			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.23	67.43			1170
Hydro					
KDPH	0.00	2.82	0	0	0
VTRNA	1.13	11.71	61	0	61
TILLARI	0.43	3.79	64	0	64
BHTGR/VEER	0.05	0.56	3	2	2
BHIRA T.R.	0.28	2.31	41	0	40
RNGR+BHTSA	0.28	2.07	12	11	12
BHANDARDRA	0.42	7.09	18	17	21
ELDARY	0.00	2.96	0	0	10
SMLHY PTN	0.65	6.02	35	24	0
GHATGHAR	0.73	8.39	230	0	0
Total	3.97	47.73			210
Wind					
MalharPeth	0.31	1.36			
Vankuswadi	1.16	3.73			
ATIT	0.11	0.35			
Kale	0.30	0.82			
Satara	8.94	34.99			
Shirala	0.46	1.61			
K Mahankal	0.06	0.29			
Supa	0.21	0.76			
Vita	2.54	10.18			
Dondaicha	6.97	34.52			
Sakri	0.92	4.35			
Nandurbar	0.76	3.50			
Khandke	0.32	1.20			
Khaparale	1.26	3.60			
Total	24.30	101.26			
CPP					
JSW JAIGAD	20.08	199.58	909	701	825
WARDHA	2.63	26.93	112	106	108
Adani	40.18	408.15	1830	1300	1851
Other CPPs	18.74	205.24			735
Total	81.64	839.91			3519
SOLAR					
Total	1.22	9.52			
Total	1.22	9.52			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.20	108.62	481	320	500
Trombay 6	3.72	38.63	159	153	500
Trombay 7A	2.43	26.68	115	75	120
Trombay 7B	1.48	15.64	66	53	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.04	35.37	294	0	447
Total	20.87	224.94			1627
REL					
1&2	11.82	120.82	521	390	500
Total	11.82	120.82			500
Cent Sect					
Share					5565
Total					5565
MS PG CL	Thermal	124.69	1255.04		5317
	Thml+Gas	137.10	1379.73		5937
	Hydro	6.21	115.16		1380
	Total	143.31	1494.90		7317
State Total		283.38	2793.04		18528

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/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	5308	281	535	6124	1152	3658	0	4847	4916	-1274	-1149	14714	158	14872	2458	17330	49.97
2	5263	178	535	5976	1214	3650	0	4834	4506	-1104	-1029	14317	200	14517	2332	16849	50.00
3	5169	145	535	5849	1233	3557	0	4665	4466	-952	-912	14193	212	14405	2209	16614	49.99
4	5103	161	535	5799	1216	3472	0	4412	4277	-817	-915	13849	161	14010	2121	16131	50.00
5	5125	161	564	5850	1158	3165	0	4454	4442	-763	-956	13659	98	13757	2003	15760	49.91
6	5041	156	612	5809	1184	3196	0	4573	4622	-794	-971	13840	118	13958	2017	15975	49.98
7	5051	157	607	5815	1084	3248	9	4648	4605	-816	-911	13877	169	14046	1962	16008	49.99
8	5058	162	601	5821	931	3307	36	4865	5122	-828	-935	14308	161	14469	1987	16456	50.01
9	5149	190	558	5897	775	3500	69	5017	5038	-998	-1016	14266	152	14418	2225	16643	50.01
10	5141	322	559	6022	566	3674	118	5410	5396	-1231	-1076	14700	181	14881	2484	17365	49.91
11	5163	447	557	6167	550	3717	132	5750	5658	-1307	-1236	14988	235	15223	2754	17977	49.95
12	5417	361	536	6314	671	3755	160	5501	5311	-1396	-1244	14967	255	15222	2846	18068	49.88
13	5622	203	514	6339	870	3643	167	5320	4923	-1346	-1291	14651	375	15026	2864	17890	49.99
14	5354	174	497	6025	948	3491	153	5420	5345	-1224	-1259	14703	229	14932	2795	17727	49.91
15	5278	213	489	5980	1031	3370	136	5546	5621	-1267	-1297	14841	163	15004	2828	17832	49.87
16	5244	152	471	5867	1094	3211	115	5647	6108	-1284	-1333	15062	113	15175	2841	18016	49.98
17	5209	177	485	5871	1385	3216	81	5144	5514	-1248	-1314	14753	108	14861	2811	17672	49.98
18	5214	264	474	5952	1277	3047	38	4689	4409	-1181	-1270	13453	100	13553	2673	16226	50.07
19	5187	278	473	5938	1107	2911	6	4200	4252	-1156	-1278	12943	104	13047	2583	15630	49.99
20	5186	699	473	6358	935	3111	0	4789	5131	-1086	-1242	14320	116	14436	2660	17096	49.90
21	5112	554	469	6135	875	3385	0	4781	4930	-1054	-1104	14248	115	14363	2638	17001	49.95
22	5162	408	468	6038	1010	3413	0	4680	4725	-1050	-1061	14158	111	14269	2520	16789	49.98
23	5082	116	429	5627	1071	3421	0	4899	4988	-1083	-1048	14089	86	14175	2483	16658	49.92
24	5055	249	429	5733	967	3518	0	4877	5074	-1148	-1004	14315	73	14388	2447	16835	49.90
MUs	124.69	6.21	12.40	143.31	24.30	81.64	1.22	118.97	119.38	-26.41	-26.85	343.21	3.79	347.01	59.54	406.55	49.96

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 10/May/2014

Position as on 6.30 Hrs of 11/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 INDIABULLS	270	29/04/2014	09.34		Continued.	PA Fan Problem of U-2	
CPP Adani U1	660	30/04/2014	12.11		Continued.	BTL.	
Chandrapur Unit 3	210	05/05/2014	06.10		Continued.	GCR Building Caught Fire.	
CPP VIPL	300	08/05/2014	05.30	11/05/2014	10.39	(U-2)Condenser tube leakage.	
Khaparkheda Unit 4	210	08/05/2014	14.45	10/05/2014	9.49	Low Drum Level	
Khaparkheda Unit 2	210	10/05/2014	05.04	11/05/2014	07.35	ID Fan Problem	
Parli Unit 7	250	10/05/2014	19.50		Continued.	coal shortage	
Paras Unit 4	250	11/05/2014	11.34	11/05/2014	14.00	Low Drum Level.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/May/2014

Position as on 6.30 Hrs of 11/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha -Tarapur - I	10/05/2014	19.02	10/05/2014	20.05	maintance work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mahalakshmi - Amona	10/05/2014	10.48	10/05/2014	15.02	maintance work
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	23/03/2014	17.18		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	09/05/2014	16.58	10/05/2014	8.50	Over Voltage
Kolhapur - Mapusa - II	10/05/2014	16.50	11/05/2014	08.39	over voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Bus - I @ Kolhapur	07/05/2014	12.37		Continued.	Isolator alignment and maint work.
Koradi-Khaparkheda-I	10/05/2014	10.04	10/05/2014	12.37	taken on tbc for hotline work
400/220 KV 315 MVA ICT-II @ Nagothane.	10/05/2014	11.30	10/05/2014	13.45	attending hot spot on 220kv side r & y ph ct towards line side
400/220KV 315MVA ICT-II @ BBLSR	10/05/2014	16.31	10/05/2014	19.17	attending hot spot
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudshingi - Peth	10/05/2014	12.02	10/05/2014	14.43	cb testing
220/132KV 200MVA ICT-I at Lonand	10/05/2014	17.30	11/05/2014	2.45	oil filtration work
Trombay - Tifil	10/05/2014	6.43	10/05/2014	8.28	hot spot attending
Mulund - Bhandup (GIS)	11/05/2014	06.38	11/05/2014	18.01	Hot Spot Attending Work.
Khaparkheda-Kawlewada-II	11/05/2014	08.21	11/05/2014	18.16	Conversion of SSN to DSN @ Various Locations.
Kalwa- salsett 6	11/05/2014	09.16	11/05/2014	15.14	For Repair of Gantry Hanger @ Kalwa End.
Trombay - Tata Tie - I	11/05/2014	09.28	11/05/2014	19.49	CVT Testing @ Tata End.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.
Dabhol - New Koyna - I	28/04/2014	12.26		Continued.	Cold washing of Insulator, RFC 19.53Hrs
Karad - Kolhapur - II	09/05/2014	16.36	10/05/2014	8.29	Over Voltage
Bhusawal- Aurangabad	09/05/2014	17.12	10/05/2014	9.00	Over Voltage
Karad-Jaigad I	09/05/2014	17.26	10/05/2014	8.43	Over Voltage
Karad-Jaigad I	10/05/2014	17.27	11/05/2014	07.25	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
Voltage Level : 220KV			Outage Type TRIPPED		
Chandrapur MIDC-Gadhchandur-Matardevi	11/05/2014	03.35	11/05/2014	04.10	O/C Protection Operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Partur - Kanhaiya nagar	11/05/2014	13.55	11/05/2014	18.20	D/P Z,Y Ph - E.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	125
Unit 7	210	125
	620	250
Bhusawal		
Unit 2	210	130
Unit 3	210	120
Unit 4	500	300
Unit 5	500	305
	1420	855
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	150
Unit 6	250	185
Unit 7	250	0
	1130	485
Chandrapur		
Unit 1	210	141
Unit 2	210	156
Unit 3	210	0
Unit 4	210	198
Unit 5	500	428
Unit 6	500	379
Unit 7	500	330
	2340	1632
Paras		
Unit 3	250	200
Unit 4	250	230
	500	430
Khaparkheda		
Unit 1	210	190
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1110
Nasik		
Unit 3	210	190
Unit 4	210	185
Unit 5	210	190
	630	565
Uran		
All Units	852	620
	852	620
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	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	12
BHANDARDRA	45	17
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	206
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	794
WARDHA	405	108
Adani	2640	1851
Other CPPs	300	735
	4545	3488
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5282
	3455	5282

	21940	18220
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