



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/May/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.358	1500.904	1) Gujrat	7.563	104.128
2) Hydro	12.771	134.939	2) Madhya Pradesh	21.346	250.882
3) Gas	12.397	147.343	3) Chattisgarh	9.170	102.350
Total MSGENCO	146.526	1783.186	4) Maharashtra Net	89.208	1025.591
B) 1) JSW JAIGAD	19.953	237.721	(Incl. 765kV Solapur-Raichur)	0.062	-2.068
2) WPCL	2.823	32.438	5) Goa	-7.152	-82.198
3) ADANI	38.060	487.881	6) TAPS 1&2 Injection	7.386	88.522
4) Other CPP / IPP	23.787	249.214	7) RGPPL Injection	0.000	0.000
5) Wind Generation	16.334	136.590	8) Pench (Excess)	-0.063	-1.822
6) PENCH (MS)	0.063	1.822	# Total Cent. Sector	127.458	1487.453
7) SOLAR	1.271	11.998	F) Other Exchanges		
C) 1) TPCL Thermal	17.279	225.015	1) With TPCL (Excess)	-27.491	-312.057
2) TPCL Hydro	4.796	40.951	G) Bilateral Power *		
TOTAL TPCL	22.075	265.966	1) MSEDCL Bilateral	23.461	312.932
3) REL Thermal	11.989	145.060	Include PX	0.194	52.290
D) STATE			2) MUMBAI Bilateral	29.292	328.523
1) Thermal (A1+C1+C3)	150.626	1870.979	Include PX	3.384	38.496
2) Hydro (A2+B6+C2)	17.630	177.712	3) MUMBAI Schedule	29.292	328.523
3) Gas (A3)	12.397	147.343	H) ENERGY CATERED (MUs)		
4) Wind (B5)	16.334	136.590	1) MSEDCL	348.784	4116.246
5) CPP/IPP (B1+B2+B3+B4)	84.623	1007.254	2) TPCL	39.475	460.430
6) SOLAR (B7)	1.271	11.998	3) REL	22.080	262.657
TOTAL STATE	282.881	3351.876	TOTAL STATE	410.339	4839.333

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 6 Hrs
MSGENCO Thermal	5311	5434	5083
MSGENCO Hydro	1199	772	172
MSGENCO Gas	563	543	472
MSGENCO Total Generation	7073	6749	5727
Central Sector Receipt	5940	6133	4276
WIND	326	496	854
CPP / IPP	3323	3304	3635
SOLAR	165	142	0
Exchange with Mumbai	-1307	-1362	-822
MSEDCL DEMAND MET	15531	15462	13670
Load Shedding	560	499	105
MSEDCL DEMAND	16091	15961	13775
TPCL GENERATION	1245	1193	650
R-INFRA GENERATION	521	520	459
TPCL+R-INFRA DEMAND	3073	3075	1931
STATE DEMAND MET	18604	18537	15601
STATE DEMAND	19164	19036	15706
Frequency (Hz)	49.91	49.95	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 17.58 Hrs	49.71 Hz at 10.08 Hrs	49.94	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 12/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	3.11	41.68	146	101	125
Unit 7	3.34	38.11	169	125	130
Total	6.44	79.79			255
Bhusawal					
Unit 2	3.36	39.18	165	130	140
Unit 3	3.04	35.34	140	115	135
Unit 4	8.53	101.72	485	280	340
Unit 5	7.73	94.36	400	295	310
Total	22.65	270.58			925
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	23.40	0	0	0
Unit 5	3.51	44.88	158	126	125
Unit 6	4.70	55.71	250	183	185
Unit 7	0.00	41.27	0	0	0
Total	8.21	165.26			310
Chandrapur					
Unit 1	3.26	39.94	140	131	150
Unit 2	3.82	45.58	165	152	160
Unit 3	0.00	17.24	0	0	0
Unit 4	3.89	53.92	209	0	210
Unit 5	10.09	85.73	467	360	450
Unit 6	9.42	110.20	420	360	410
Unit 7	8.51	103.57	400	300	375
Total	38.98	456.18			1755
Paras					
Unit 3	2.16	51.24	187	0	190
Unit 4	5.40	49.56	250	198	250
Total	7.56	100.81			440
Khaparkheda					
Unit 1	3.81	45.46	185	140	190
Unit 2	3.30	39.96	155	120	185
Unit 3	4.08	36.49	190	165	210
Unit 4	4.14	41.99	210	165	210
Unit 5	9.04	108.23	500	318	500
Total	24.36	272.12			1295
Nasik					
Unit 3	4.45	52.26	200	175	190
Unit 4	4.25	50.99	184	171	185
Unit 5	4.46	52.90	197	172	190
Total	13.16	156.16			565
Uran					
All Units	12.40	147.34	571	468	320
Total	12.40	147.34			320
PENCH (MS)					
Pench (MS)	0.06	1.82	26	0	
Total	0.06	1.82			
Koyna					
Stage 1-2	3.42	31.97	525	40	600
Stage 4	2.20	30.56	379	0	250
Stage 3	1.36	14.45	244	0	320
Kovna 12&4 Total	5.61	62.53			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.97	76.98			1170
Hydro					
KDPH	0.29	3.31	13	12	0
VTRNA	1.09	13.97	61	0	61
TILLARI	0.52	4.83	64	0	64
BHTGR/VEER	0.05	0.67	3	2	4
BHIRA T.R.	0.12	2.63	40	0	40
RNGR+BHTSA	0.28	2.64	12	11	12
BHANDARDRA	0.39	7.89	17	16	15
ELDARY	0.00	2.96	0	0	0
SMLHY PTN	0.65	7.32	35	24	10
GHATGHAR	2.41	11.75	250	0	0
Total	5.80	57.96			206
Wind					
MalharPeth	0.24	1.82			
Vankuswadi	0.67	5.05			
ATIT	0.08	0.52			
Kale	0.24	1.22			
Satara	4.32	45.53			
Shirala	0.33	2.21			
K Mahankal	0.02	0.34			
Supa	0.11	1.04			
Vita	0.54	12.12			
Dondaicha	7.06	48.54			
Sakri	0.90	6.10			
Nandurbar	0.66	4.84			
Khandke	0.20	1.60			
Khaparale	0.96	5.67			
Total	16.33	136.59			
CPP					
JSW JAIGAD	19.95	237.72	906	693	790
WARDHA	2.82	32.44	119	115	115
Adani	38.06	487.88	1830	1240	1851
Other CPPs	23.79	249.21			915
Total	84.62	1007.25			3671
SOLAR					
Total	1.27	12.00			
Total	1.27	12.00			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.43	128.36	444	314	500
Trombay 6	3.73	46.08	158	154	500
Trombay 7A	2.59	31.87	125	77	120
Trombay 7B	1.53	18.71	69	54	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.80	40.95	471	0	447
Total	22.08	265.97			1627
REL					
1&2	11.99	145.06	522	397	500
Total	11.99	145.06			500
Cent Sect					
Share					6018
Total					6018
MS PG CL	Thermal	121.36	1500.90		5545
	Thml+Gas	133.76	1648.25		5865
	Hydro	12.77	134.94		1376
	Total	146.53	1783.19		7241
State Total		282.88	3351.88		19057

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	5082	372	468	5922	872	3673	0	4825	4939	-1082	-1095	14311	99	14410	2368	16778	49.92
2	5108	246	468	5822	813	3649	0	4769	5078	-986	-1042	14320	88	14408	2188	16596	49.97
3	4925	186	468	5579	771	3598	0	4748	4960	-932	-985	13923	89	14012	2047	16059	49.97
4	4900	176	468	5544	772	3516	0	4362	5120	-924	-905	14047	85	14132	1962	16094	49.97
5	4912	166	472	5550	808	3526	0	4362	4844	-924	-851	13877	82	13959	1907	15866	49.99
6	5083	172	472	5727	854	3635	0	4507	4276	-974	-822	13670	105	13775	1931	15706	49.93
7	5050	167	481	5698	811	3625	5	4496	5459	-1005	-761	14837	146	14983	1926	16909	49.98
8	5133	182	515	5830	668	3631	37	4635	5115	-1050	-877	14404	146	14550	2058	16608	49.97
9	5181	209	555	5945	701	3390	86	5148	5252	-1164	-1089	14285	141	14426	2356	16782	49.91
10	5051	1064	548	6663	484	3338	135	5296	6180	-1262	-1217	15583	303	15886	2717	18603	49.90
11	5140	1294	546	6980	340	3381	145	5468	5891	-1443	-1303	15434	436	15870	3003	18873	49.85
12	5311	1199	563	7073	326	3323	165	5449	5940	-1426	-1307	15531	560	16091	3073	19164	49.91
13	5539	678	555	6772	400	3369	178	5345	5936	-1434	-1339	15327	695	16022	3086	19108	49.98
14	5539	522	539	6600	497	3384	164	5297	5140	-1412	-1311	14474	610	15084	3041	18125	49.95
15	5434	772	543	6749	496	3304	142	5394	6133	-1397	-1362	15462	499	15961	3075	19036	49.95
16	5189	1202	502	6893	563	3217	110	5535	5740	-1415	-1386	15137	439	15576	3082	18658	49.87
17	4926	1096	512	6534	682	3333	68	5091	6016	-1434	-1373	15260	434	15694	3072	18766	49.95
18	4857	470	518	5845	783	3349	29	4321	5100	-1347	-1316	13790	412	14202	2945	17147	50.01
19	4722	368	519	5609	815	3357	7	4169	4690	-1294	-1184	13294	176	13470	2767	16237	50.02
20	4666	599	520	5785	820	3722	0	4729	4937	-1315	-1225	14050	94	14144	2744	16888	49.88
21	4796	630	520	5946	728	3825	0	4763	5400	-1297	-1220	14705	80	14785	2659	17444	49.95
22	4925	308	520	5753	720	3842	0	4745	4554	-1201	-1187	13686	71	13757	2540	16297	49.94
23	4934	245	554	5733	786	3857	0	5095	5443	-1244	-1169	14650	67	14717	2510	17227	49.88
24	4955	448	571	5974	824	3779	0	5211	5314	-1330	-1165	14726	64	14790	2498	17288	49.95
MUs	121.36	12.77	12.40	146.53	16.33	84.62	1.27	117.76	127.46	-29.29	-27.49	348.78	5.92	354.70	61.56	416.26	49.94

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 12/May/2014

Position as on 6.30 Hrs of 13/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.	
Parli Unit 7	250	10/05/2014	19.50		Continued.	coal shortage	
Uran Unit 8	108	11/05/2014	10.07	12/05/2014	06.32	Gas Shortage.	
Parli Unit 4	210	12/05/2014	00.20		Continued.	Coal Shortage.	
Paras Unit 3	250	12/05/2014	11.52		Continued.	Boiler Tube Leakage.	
Chandrapur Unit 4	210	12/05/2014	17.32	12/05/2014	20.09	High Furnace Pressure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/May/2014

Position as on 6.30 Hrs of 13/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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	11/05/2014	16.47	12/05/2014	07.05	Over Voltage.
Talegaon(PG) - Parli (PG) - I	12/05/2014	10.21	12/05/2014	13.32	To Control L/L of 220KV C'wad-Urse.
Kolhapur - Mapusa - I	12/05/2014	17.24	12/05/2014	06.33	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Padgha -Tarapur - I	12/05/2014	14.57	12/05/2014	15.33	Bus Fault @ Padgha.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Bus - I @ Kolhapur	07/05/2014	12.37		Continued.	Isolator alignment and maint work.
Khadka - Deepnagar - II	12/05/2014	10.04		Continued.	To Attend SF6 Gas Leakage Problem from R Pole of Tie CB.
Lonikand- Koyna Stage IV	12/05/2014	14.08		Continued.	Taken on TBC @ Lnkcd to Attend Hot Spot @ 29B Isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/33 KV 50 MVA T/F - III @ Jalna	12/05/2014	07.05	12/05/2014	19.15	Commisioning of New 220KV PT for Bus Section - II.
220/33 KV 50 MVA T/F - II @ Jalna	12/05/2014	07.15	12/05/2014	18.47	Commisioning of New 220KV PT for Bus Section - II.
Khaparkheda-Kawlewada-II	12/05/2014	07.38	12/05/2014	18.36	Conversion of SSN to DEN @ Various Loc.
Aurangabad-Jalna-II	12/05/2014	07.47	12/05/2014	19.00	Commisioning of New 220KV PT for Bus Section - II.
220/132 KV 100 MVA IBT @ Parli-I	12/05/2014	08.35	12/05/2014	20.06	Replacement of Top Bus Section Jumper & Clamp.
Abhijeet-Wardha-I	12/05/2014	08.42	12/05/2014	15.23	Replacement of Disc Insulator.
Wardha-Badnera	12/05/2014	11.37	12/05/2014	14.44	Replacement of Suspected Faifty Insulator of B Ph by Hot Line Method.
Lonikand-Kathapur	12/05/2014	13.32		Continued.	Taken on TBC @ Lnkcd to Attend Hot Spot @ 29A Iso. R & Y Ph T Plam Clamp.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315 MVA ICT-I @ Padgha	12/05/2014	17.03	12/05/2014	18.00	Removal of Broken Jumper.
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	11/05/2014	16.34	12/05/2014	06.48	Over Voltage.
Karad-Jaigad I	11/05/2014	16.57	12/05/2014	06.51	Over Voltage.
Bhusawal- Aurangabad	11/05/2014	17.17	12/05/2014	06.40	Over Voltage.
Karad - Kolhapur - I	12/05/2014	12.58	12/05/2014	13.30	To Attend Sprkings of Isolator @ Kolhapur End.
Karad - Kolhapur - II	12/05/2014	16.57	13/05/2014	06.29	Over Voltage.
Bhusawal- Aurangabad	12/05/2014	17.57		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

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/May/2014

Position as on 6.30 Hrs of 13/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chikhali - Jalna - II	28/04/2014	01.14		Continued.	To control O/L of 220KV Paras-Chikhli
Usmanabad --Bale	12/05/2014	10.37		Continued.	Hand Tripped.
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC Pole-I	12/05/2014	14.57	12/05/2014	16.36	Bus-I Fault @ Padgha.
HVDC POLE - II	12/05/2014	14.57	12/05/2014	15.58	Bus-I Fault @ Padgha.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	11/05/2014	18.12	12/05/2014	09.46	Over Voltage.
400/220 KV,500MVA ICT-II at Deepnagar.	12/05/2014	11.35	12/05/2014	21.26	Diff.Prot. Due to 33KV Tertiary Wdg R Ph PT Bursted & No Load Affected.
Dabhol-Nagothane - II	12/05/2014	13.36	12/05/2014	14.00	Trip @ Nagtone,Auto Reclose Sucessful @ Padgha.
Dabhol-Nagothane - II	12/05/2014	14.28		Continued.	Distance Protection.
Main Bus - I @ Padgha	12/05/2014	14.57	12/05/2014	15.17	TBC Breaker R Phase Jumper to Aux.Bus Broken,Fallon Abus.
Bus Coupler @ Padgha	12/05/2014	14.57	12/05/2014	15.19	Bus-I Fault @ Padgha.
Padgha - Babaleshwar - II	12/05/2014	14.57	12/05/2014	15.19	Bus-I Fault @ Padgha.
Padgha - Kalwa- I	12/05/2014	14.57	12/05/2014	15.24	Bus-I Fault @ Padgha.
HVDC AC Bay- I @ Padgha	12/05/2014	14.57	12/05/2014	15.59	Bus-I Fault @ Padgha.
HVDC A/C - II Bay @ Padgha	12/05/2014	14.57	12/05/2014	16.35	Bus-I Fault @ Padgha.
400/220KV 315 MVA ICT-I @ Padgha	12/05/2014	14.57	12/05/2014	15.20	Bus-I Fault @ Padgha.
400/220KV 315 MVA ICT-II @ Padgha	12/05/2014	14.57	12/05/2014	15.25	Bus-I Fault @ Padgha.
Padgha - Nagothane- II	12/05/2014	14.57	12/05/2014	15.36	Bus-I Fault @ Padgha.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi - Chikodi	12/05/2014	14.15		Continued.	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	175
	620	315
Bhusawal		
Unit 2	210	130
Unit 3	210	125
Unit 4	500	350
Unit 5	500	335
	1420	940
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	185
Unit 7	250	0
	1130	335
Chandrapur		
Unit 1	210	140
Unit 2	210	170
Unit 3	210	0
Unit 4	210	140
Unit 5	500	450
Unit 6	500	420
Unit 7	500	400
	2340	1720
Paras		
Unit 3	250	0
Unit 4	250	250
	500	250
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	185
Unit 5	210	190
	630	565
Uran		
All Units	852	520
	852	520
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	12
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	13
ELDARY	23	
SMLHY PTN	12	15
GHATGHAR	250	
	611	218
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	815
WARDHA	405	115
Adani	2640	1851
Other CPPs	300	915
	4545	3696
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	6342
	3455	6342