



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/May/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.212	1727.612	1) Gujrat	10.031	123.252
2) Hydro	20.446	168.304	2) Madhya Pradesh	21.630	294.532
3) Gas	13.149	174.209	3) Chattisgarh	8.120	119.060
Total MSGENCO	144.807	2070.125	4) Maharashtra Net	87.467	1201.624
B) 1) JSW JAIGAD	20.102	278.216	(Incl. 765kV Solapur-Raichur)	2.141	0.511
2) WPCL	2.572	37.917	5) Goa	-7.199	-96.876
3) ADANI	39.576	569.688	6) TAPS 1&2 Injection	7.380	103.281
4) Other CPP / IPP	24.287	297.635	7) RGPPL Injection	0.000	0.000
5) Wind Generation	13.114	166.647	8) Pench (Excess)	-0.317	-2.249
6) PENCH (MS)	0.317	2.249	# Total Cent. Sector	127.112	1742.624
7) SOLAR	1.077	14.156	F) Other Exchanges		
C) 1) TPCL Thermal	18.329	260.558	1) With TPCL (Excess)	-25.108	-365.216
2) TPCL Hydro	4.103	49.685	G) Bilateral Power *		
TOTAL TPCL	22.432	310.243	1) MSEDCL Bilateral	28.244	368.201
3) REL Thermal	12.464	169.493	Include PX	2.837	56.454
D) STATE			2) MUMBAI Bilateral	28.571	386.172
1) Thermal (A1+C1+C3)	142.005	2157.663	Include PX	3.083	44.937
2) Hydro (A2+B6+C2)	24.866	220.238	3) MUMBAI Schedule	28.571	386.172
3) Gas (A3)	13.149	174.209	H) ENERGY CATERED (MUs)		
4) Wind (B5)	13.114	166.647	1) MSEDCL	347.856	4814.041
5) CPP/IPP (B1+B2+B3+B4)	86.537	1183.456	2) TPCL	38.058	538.076
6) SOLAR (B7)	1.077	14.156	3) REL	21.945	306.874
TOTAL STATE	280.748	3916.369	TOTAL STATE	407.859	5658.991

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	4800	4753	4597
MSGENCO Hydro	1528	911	872
MSGENCO Gas	520	519	612
MSGENCO Total Generation	6848	6183	6081
Central Sector Receipt	6155	6173	5278
WIND	126	531	357
CPP / IPP	3687	3904	3045
SOLAR	145	109	0
Exchange with Mumbai	-1219	-1194	-659
MSEDCL DEMAND MET	15769	15723	14102
Load Shedding	490	340	201
MSEDCL DEMAND	16259	16063	14303
TPCL GENERATION	1162	1186	757
R-INFRA GENERATION	519	521	520
TPCL+R-INFRA DEMAND	2900	2901	1936
STATE DEMAND MET	18669	18624	16038
STATE DEMAND	19159	18964	16239
Frequency (Hz)	49.95	49.92	50.08

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 17:57 Hrs	49.67 Hz at 22:03 Hrs	49.98	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 14/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	2.76	47.86	145	98	125
Unit 7	3.13	45.01	160	90	115
Total	5.89	92.87			240
Bhusawal					
Unit 2	3.20	45.62	160	120	120
Unit 3	2.74	40.97	125	0	115
Unit 4	7.26	117.36	325	265	310
Unit 5	7.28	109.70	350	220	330
Total	20.48	313.65			875
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	23.40	0	0	0
Unit 5	3.77	52.34	163	146	155
Unit 6	4.74	65.15	250	185	185
Unit 7	0.00	41.27	0	0	0
Total	8.51	182.16			340
Chandrapur					
Unit 1	3.37	46.56	145	136	141
Unit 2	3.96	53.36	170	162	165
Unit 3	0.26	17.50	47	0	0
Unit 4	4.80	62.65	207	190	172
Unit 5	7.32	101.63	335	276	331
Unit 6	7.72	126.56	390	273	307
Unit 7	7.00	117.57	358	260	293
Total	34.44	525.83			1409
Paras					
Unit 3	0.39	51.64	117	0	0
Unit 4	5.47	60.78	249	201	250
Total	5.86	112.41			250
Khaparkheda					
Unit 1	3.84	52.78	185	130	160
Unit 2	3.44	47.02	165	120	160
Unit 3	3.93	44.44	210	133	165
Unit 4	3.98	50.02	200	152	165
Unit 5	7.49	123.94	360	266	400
Total	22.69	318.20			1050
Nasik					
Unit 3	4.46	60.93	195	175	190
Unit 4	4.44	59.74	190	174	190
Unit 5	4.45	61.82	191	173	190
Total	13.35	182.49			570
Uran					
All Units	13.15	174.21	612	516	620
Total	13.15	174.21			620
PENCH (MS)					
Pench (MS)	0.32	2.25	27	0	0
Total	0.32	2.25			0
Koyna					
Stage 1-2	4.34	39.67	455	40	600
Stage 4	9.23	43.39	920	0	250
Stage 3	3.14	19.31	240	0	320
Kovna 12&4 Total	13.57	83.06			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	16.71	102.37			1170
Hydro					
KDPH	0.29	3.89	13	12	18
VTRNA	1.14	16.56	61	0	60
TILLARI	0.49	5.83	64	0	60
BHTGR/VEER	0.05	0.77	2	1	2
BHIRA T.R.	0.20	3.07	40	0	40
RNGR+BHTSA	0.28	3.20	12	11	11
BHANDARDRA	0.26	8.52	11	11	15
ELDARY	0.00	2.96	0	0	0
SMLHY PTN	0.64	8.58	34	24	10
GHATGHAR	0.38	12.56	125	0	0
Total	3.74	65.93			216
Wind					
MalharPeth	0.35	2.43			
Vankuswadi	0.67	6.31			
ATIT	0.07	0.63			
Kale	0.18	1.58			
Satara	4.51	55.38			
Shirala	0.32	2.77			
K Mahankal	0.02	0.40			
Supa	0.11	1.23			
Vita	0.80	13.67			
Dondaicha	4.30	59.69			
Sakri	0.51	7.46			
Nandurbar	0.40	5.80			
Khandke	0.30	2.24			
Khaparale	0.56	7.05			
Total	13.11	166.65			
CPP					
JSW JAIGAD	20.10	278.22	888	772	815
WARDHA	2.57	37.92	119	0	117
Adani	39.58	569.69	1820	1180	1851
Other CPPs	24.29	297.64			915
Total	86.54	1183.46			3698
SOLAR					
Total	1.08	14.16			
Total	1.08	14.16			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.28	147.97	450	399	500
Trombay 6	3.72	53.53	158	154	500
Trombay 7A	2.74	37.22	124	93	120
Trombay 7B	1.58	21.83	70	59	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.10	49.68	438	0	447
Total	22.43	310.24			1627
REL					
1&2	12.46	169.49	522	516	500
Total	12.46	169.49			500
Cent Sect					
Share					6038
Total					6038
MS PG CL	Thermal	111.21	1727.61		4734
	Thml+Gas	124.36	1901.82		5354
	Hydro	20.45	168.30		1386
	Total	144.81	2070.12		6740
State Total	280.75	3916.37			18603

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	4471	921	563	5955	866	3780	0	4787	5050	-1170	-1139	14538	128	14666	2430	17096	49.86
2	4517	462	563	5542	675	3715	0	5139	5376	-1040	-909	14425	139	14564	2205	16769	49.98
3	4511	188	573	5272	565	3674	0	5262	5923	-976	-791	14669	152	14821	2073	16894	50.05
4	4550	607	588	5745	485	3083	0	4792	5586	-962	-706	14207	153	14360	1984	16344	50.18
5	4597	872	612	6081	357	3045	0	4794	5278	-964	-659	14102	201	14303	1936	16239	50.08
6	4570	1102	612	6284	391	3095	0	4843	5168	-1002	-687	14251	389	14640	1960	16600	50.06
7	4608	1090	611	6309	357	3047	2	4610	4848	-1045	-687	13876	860	14736	1939	16675	50.06
8	4648	834	610	6092	316	3192	32	4758	4990	-1063	-733	13889	898	14787	2018	16805	50.00
9	4672	1043	602	6317	331	3363	47	4963	5067	-1122	-970	14155	779	14934	2265	17199	49.98
10	4712	1508	557	6777	246	3667	95	5557	5894	-1294	-1194	15488	461	15949	2581	18530	49.94
11	4698	1601	520	6819	146	3709	128	5939	5869	-1342	-1212	15486	396	15882	2809	18691	49.95
12	4800	1528	520	6848	126	3687	145	6049	6155	-1412	-1219	15769	490	16259	2900	19159	49.95
13	4879	1301	519	6699	215	3820	157	5795	5887	-1408	-1215	15573	635	16208	2904	19112	49.96
14	4859	1023	519	6401	288	3814	143	5771	5929	-1329	-1209	15366	565	15931	2841	18772	49.96
15	4890	973	519	6382	414	3801	133	5733	5830	-1337	-1155	15418	450	15868	2901	18769	49.92
16	4753	911	519	6183	531	3904	109	5852	6173	-1355	-1194	15723	340	16063	2901	18964	49.92
17	4693	1482	518	6693	750	3759	54	4628	4730	-1326	-1180	14819	276	15095	2904	17999	50.02
18	4486	407	518	5411	980	3825	18	4282	4485	-1188	-1210	13509	437	13946	2873	16819	50.13
19	4482	230	519	5231	1104	3671	14	4208	4065	-1087	-1175	12910	336	13246	2688	15934	50.04
20	4487	346	518	5351	1178	3802	0	4521	4655	-1171	-1166	13827	452	14279	2766	17045	49.85
21	4555	330	518	5403	912	3862	0	4635	4644	-1226	-1168	13680	348	14028	2601	16629	49.91
22	4629	431	518	5578	717	3784	0	4529	4847	-1240	-1160	13793	213	14006	2546	16552	49.95
23	4625	695	516	5836	569	3736	0	5011	5064	-1194	-1180	14052	157	14209	2480	16689	49.92
24	4520	561	517	5598	595	3702	0	5393	5599	-1321	-1190	14331	132	14463	2499	16962	49.90
MUs	111.21	20.45	13.15	144.81	13.11	86.54	1.08	121.85	127.11	-28.57	-25.11	347.86	9.39	357.24	60.00	417.25	49.98

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 14/May/2014

Position as on 6.30 Hrs of 15/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	14/05/2014	14.39	GCR Building Caught Fire.	
Parli Unit 7	250	10/05/2014	19.50	15/05/2014	04.05	coal shortage	
Parli Unit 4	210	12/05/2014	00.20		Continued.	Coal Shortage.	
Paras Unit 3	250	12/05/2014	11.52	14/05/2014	20.14	Boiler Tube Leakage.	
CPP Adani U-3	660	14/05/2014	03.02	14/05/2014	07.05	Furnace Pressure high.	
CPP WPCL U-3	135	14/05/2014	21.43	14/05/2014	23.24	Flame Failure.	
Bhusawal Unit 3	210	14/05/2014	23.00		Continued.	ID Fan Problem.	
CPP VIPL	300	15/05/2014	04.30		Continued.	Turbine supply valve drain leakage.(U-1)	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/May/2014

Position as on 6.30 Hrs of 15/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tillary-Amona	14/05/2014	10.10	14/05/2014	17.45	Maint.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 - II	13/05/2014	16.44	14/05/2014	06.58	Over Voltage.
Kolhapur - Mapusa - I	14/05/2014	16.43		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.
400/220KV, 315MVA ICT-I @ New Koyna.	14/05/2014	05.12	14/05/2014	15.52	LV Side Taken on TBC,for oil Pres.in CB.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Lonikand-Kathapur	12/05/2014	13.32	14/05/2014	08.46	Taken on TBC @ Lnkd to Attend Hot Spot @ 29A Iso. R & Y Ph T Plam Clamp.
Kalwa - Borivali	14/05/2014	06.05	14/05/2014	09.03	Red Hot Spot.
Khaparkheda-Kawlewada-I	14/05/2014	07.41	14/05/2014	17.40	Conversion of SSN to DSN at various locations.
Kalwa-Taloja	14/05/2014	08.25	14/05/2014	16.22	Testing work,Taken on TBC.
Usmanabad-Barshi	14/05/2014	10.14	14/05/2014	17.52	SAG measurement washing of insulator string,removing of dislocated damper.
Main Bus - I @ Lonikand	14/05/2014	11.58		Continued.	For shifting jack bus for 220KV Theur line shifting.
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
Bhusawal- Aurangabad	13/05/2014	15.28	14/05/2014	07.19	Over Voltage.
Karad - Kolhapur - II	13/05/2014	16.38	14/05/2014	06.28	Over Voltage.
Karad - Kolhapur - I	14/05/2014	16.37	15/05/2014	06.21	Over Voltage.
Bhusawal- Aurangabad	14/05/2014	17.35		Continued.	Over Voltage.
Karad-Jaigad I	14/05/2014	18.00	15/05/2014	06.30	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
Usmanabad --Bale	12/05/2014	10.37		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	12/05/2014	14.28		Continued.	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132KV 100MVA ICT I at Hingoli	13/05/2014	17.50	14/05/2014	01.18	Diff.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Boisar - Boisar MIDC	13/05/2014	23.55	14/05/2014	01.00	Y-Ph PT Burst.
Amravati-Chandurbazar	14/05/2014	19.38	14/05/2014	19.58	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/May/2014

Position as on 6.30 Hrs of 15/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
null					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Parly - Parly Extn.- I	14/05/2014	09.02	14/05/2014	17.48	Repl of jumper of bay equip.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	160
	620	290
Bhusawal		
Unit 2	210	125
Unit 3	210	0
Unit 4	500	299
Unit 5	500	309
	1420	733
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	188
Unit 7	250	78
	1130	426
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	170
Unit 4	210	210
Unit 5	500	425
Unit 6	500	325
Unit 7	500	360
	2340	1810
Paras		
Unit 3	250	200
Unit 4	250	230
	500	430
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	190
	630	570
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	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	
BHANDARDRA	45	12
ELDARY	23	
SMLHY PTN	12	20
GHATGHAR	250	
	611	213
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	814
WARDHA	405	120
Adani	2640	1851
Other CPPs	300	705
	4545	3490
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	6498
	3455	6498

	21940	7 of 7 19672
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