



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/May/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.930	1854.542	1) Gujrat	11.536	134.788
2) Hydro	7.073	175.377	2) Madhya Pradesh	21.048	315.580
3) Gas	13.047	187.256	3) Chattisgarh	8.790	127.850
Total MSGENCO	147.050	2217.175	4) Maharashtra Net	86.249	1287.873
B) 1) JSW JAIGAD	20.607	298.823	(Incl. 765kV Solapur-Raichur)	-0.794	-0.283
2) WPCL	2.863	40.780	5) Goa	-7.911	-104.787
3) ADANI	42.160	611.848	6) TAPS 1&2 Injection	7.644	110.925
4) Other CPP / IPP	21.801	319.436	7) RGPPL Injection	0.000	0.000
5) Wind Generation	14.106	180.753	8) Pench (Excess)	-0.188	-2.437
6) PENCH (MS)	0.188	2.437	# Total Cent. Sector	127.168	1869.792
7) SOLAR	1.129	15.285	F) Other Exchanges		
C) 1) TPCL Thermal	18.225	278.783	1) With TPCL (Excess)	-26.208	-391.424
2) TPCL Hydro	4.773	54.458	G) Bilateral Power *		
TOTAL TPCL	22.998	333.241	1) MSEDCL Bilateral	30.492	398.693
3) REL Thermal	12.372	181.865	Include PX	9.712	66.166
D) STATE			2) MUMBAI Bilateral	26.055	412.227
1) Thermal (A1+C1+C3)	157.527	2315.190	Include PX	2.717	47.655
2) Hydro (A2+B6+C2)	12.034	232.272	3) MUMBAI Schedule	26.055	412.227
3) Gas (A3)	13.047	187.256	H) ENERGY CATERED (MUs)		
4) Wind (B5)	14.106	180.753	1) MSEDCL	350.864	5164.905
5) CPP/IPP (B1+B2+B3+B4)	87.431	1270.887	2) TPCL	39.560	577.636
6) SOLAR (B7)	1.129	15.285	3) REL	22.006	328.880
TOTAL STATE	285.274	4201.643	TOTAL STATE	412.430	6071.421

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 6 Hrs
MSGENCO Thermal	5839	5406	5059
MSGENCO Hydro	255	256	162
MSGENCO Gas	576	575	522
MSGENCO Total Generation	6670	6237	5743
Central Sector Receipt	6018	6099	4977
WIND	170	434	751
CPP / IPP	3626	3617	3558
SOLAR	155	92	0
Exchange with Mumbai	-1318	-1281	-752
MSEDCL DEMAND MET	15321	15198	14277
Load Shedding	535	298	66
MSEDCL DEMAND	15856	15496	14343
TPCL GENERATION	1225	1256	684
R-INFRA GENERATION	521	520	503
TPCL+R-INFRA DEMAND	3064	3057	1939
STATE DEMAND MET	18385	18255	16216
STATE DEMAND	18920	18553	16282
Frequency (Hz)	49.98	49.83	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 17:55 Hrs	49.62 Hz at 19:33 Hrs	49.91	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 15/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	51.17	168	92	130
Unit 7	3.86	48.87	179	120	160
Total	7.17	100.04			290
Bhusawal					
Unit 2	3.16	48.78	140	125	125
Unit 3	0.00	40.97	0	0	0
Unit 4	7.42	124.78	325	295	299
Unit 5	6.98	116.67	330	260	309
Total	17.56	331.20			733
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	23.40	0	0	0
Unit 5	3.90	56.24	172	158	160
Unit 6	4.60	69.75	250	133	188
Unit 7	3.62	44.88	250	0	78
Total	12.11	194.27			426
Chandrapur					
Unit 1	3.39	49.96	145	138	150
Unit 2	3.94	57.30	170	156	170
Unit 3	3.50	21.00	175	26	170
Unit 4	4.75	67.40	210	180	210
Unit 5	9.74	111.36	462	294	425
Unit 6	8.97	135.53	415	292	325
Unit 7	8.68	126.24	409	265	360
Total	42.96	568.79			1810
Paras					
Unit 3	4.54	56.17	221	123	200
Unit 4	5.31	66.08	250	150	230
Total	9.84	122.26			430
Khaparkheda					
Unit 1	3.84	56.62	190	120	190
Unit 2	3.74	50.76	185	120	185
Unit 3	4.10	48.54	198	160	210
Unit 4	4.06	54.09	210	148	210
Unit 5	8.37	132.31	495	289	500
Total	24.12	342.32			1295
Nasik					
Unit 3	4.31	65.24	190	165	190
Unit 4	4.41	64.15	190	176	190
Unit 5	4.45	66.27	193	177	190
Total	13.17	195.66			570
Uran					
All Units	13.05	187.26	577	518	620
Total	13.05	187.26			620
PENCH (MS)					
Pench (MS)	0.19	2.44	27	0	0
Total	0.19	2.44			0
Koyna					
Stage 1-2	1.56	41.22	215	40	600
Stage 4	1.00	44.39	266	0	250
Stage 3	0.55	19.86	142	0	320
Kovna 12&4 Total	2.56	85.62			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.10	105.47			1170
Hydro					
KDPH	0.29	4.18	13	12	18
VTRNA	1.07	17.64	61	0	61
TILLARI	0.52	6.35	64	0	60
BHTGR/VEER	0.05	0.82	3	2	2
BHIRA T.R.	0.28	3.35	40	0	40
RNGR+BHTSA	0.28	3.48	12	11	0
BHANDARDRA	0.28	8.80	12	11	12
ELDARY	0.00	2.96	0	0	0
SMLHY PTN	0.63	9.22	33	24	20
GHATGHAR	0.56	13.12	205	0	0
Total	3.97	69.91			213
Wind					
MalharPeth	0.30	2.73			
Vankuswadi	0.55	6.86			
ATIT	0.06	0.69			
Kale	0.18	1.76			
Satara	4.30	59.67			
Shirala	0.39	3.16			
K Mahankal	0.02	0.42			
Supa	0.10	1.34			
Vita	0.86	14.54			
Dondaicha	5.15	64.84			
Sakri	0.95	8.41			
Nandurbar	0.42	6.22			
Khandke	0.31	2.56			
Khaparale	0.51	7.56			
Total	14.11	180.75			
CPP					
JSW JAIGAD	20.61	298.82	909	758	814
WARDHA	2.86	40.78	124	79	120
Adani	42.16	611.85	1820	1570	1851
Other CPPs	21.80	319.44			705
Total	87.43	1270.89			3490
SOLAR					
Total	1.13	15.28			
Total	1.13	15.28			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.02	158.00	451	318	500
Trombay 6	3.73	57.26	156	155	500
Trombay 7A	2.86	40.08	125	85	120
Trombay 7B	1.62	23.45	69	57	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.77	54.46	464	0	447
Total	23.00	333.24			1627
REL					
1&2	12.37	181.86	523	443	500
Total	12.37	181.86			500
Cent Sect					
Share					6498
Total					6498
MS PG CL	Thermal	126.93	1854.54		5554
	Thml+Gas	139.98	2041.80		6174
	Hydro	7.07	175.38		1383
	Total	147.05	2217.18		7557
State Total		285.27	4201.64		19672

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	4564	685	528	5777	690	3777	0	5368	5775	-1182	-1069	14970	60	15030	2379	17409	49.84
2	4630	368	530	5528	762	3765	0	5357	5509	-1066	-952	14632	100	14732	2209	16941	49.93
3	4749	167	529	5445	729	3707	0	5474	5120	-960	-772	14237	32	14269	2062	16331	49.96
4	4773	172	523	5468	777	3626	0	4939	6043	-928	-795	15119	15	15134	1959	17093	49.95
5	4914	177	518	5609	803	3534	0	4957	5824	-833	-795	14975	18	14993	1904	16897	49.90
6	5059	162	522	5743	751	3558	0	5004	4977	-816	-752	14277	66	14343	1939	16282	49.94
7	5252	162	519	5933	690	3479	4	5038	5154	-876	-634	14626	260	14886	1926	16812	50.02
8	5422	176	519	6117	532	3502	29	5046	5245	-888	-729	14696	277	14973	2038	17011	50.01
9	5479	273	519	6271	507	3573	65	5149	5051	-1075	-1018	14449	518	14967	2328	17295	49.93
10	5513	296	518	6327	296	3776	115	5821	6191	-1006	-1049	15656	354	16010	2699	18709	49.91
11	5469	474	521	6464	221	3738	132	6303	6164	-1133	-1267	15452	337	15789	2980	18769	49.91
12	5571	511	522	6604	166	3509	157	6521	6139	-1201	-1304	15271	384	15655	3053	18708	49.95
13	5839	255	576	6670	170	3626	155	6048	6018	-1221	-1318	15321	535	15856	3064	18920	49.98
14	5849	152	570	6571	517	3640	147	6093	5290	-1174	-1328	14837	460	15297	3040	18337	49.88
15	5777	152	575	6504	241	3634	134	6234	5737	-1315	-1330	14920	353	15273	3057	18330	49.84
16	5406	256	575	6237	434	3617	92	6189	6099	-1333	-1281	15198	298	15496	3057	18553	49.83
17	5296	619	575	6490	498	3573	66	5331	4923	-1318	-1296	14254	461	14715	3054	17769	49.89
18	5248	226	575	6049	576	3633	28	4560	3680	-1190	-1254	12712	512	13224	2956	16180	50.01
19	5193	245	577	6015	939	3505	5	4115	4579	-903	-1172	13877	77	13954	2760	16714	49.95
20	5345	351	563	6259	985	3690	0	4522	4636	-1081	-1159	14438	50	14488	2784	17272	49.79
21	5388	458	562	6408	944	3796	0	4654	4935	-1205	-1220	14890	17	14907	2685	17592	49.92
22	5426	244	554	6224	685	3764	0	4774	4456	-1166	-1235	13921	8	13929	2582	16511	49.92
23	5361	246	544	6151	604	3740	0	5353	5040	-998	-1221	14341	6	14347	2538	16885	49.82
24	5407	246	533	6186	589	3669	0	5660	4583	-1187	-1258	13795	8	13803	2525	16328	49.82
MUs	126.93	7.07	13.05	147.05	14.11	87.43	1.13	128.51	127.17	-26.06	-26.21	350.86	5.21	356.07	61.58	417.65	49.91

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 15/May/2014

Position as on 6.30 Hrs of 16/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.	
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.	
Bhusawal Unit 3	210	14/05/2014	23.00		Continued.	ID Fan Problem.	
CPP VIPL	300	15/05/2014	04.30	16/05/2014	03.24	Turbine supply valve drain leakage.(U-1)	
Chandrapur Unit 3	210	16/05/2014	04.53		Continued.	Trip PA Fan Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/May/2014

Position as on 6.30 Hrs of 16/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - NewKoyna - II	15/05/2014	08.04	15/05/2014	19.43	Cold washing of Insulator.
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	14/05/2014	16.43	15/05/2014	06.51	Over Voltage.
Kolhapur-Mapusa-II	15/05/2014	16.29	16/05/2014	07.00	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.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main Bus - I @ Lonikand	14/05/2014	11.58		Continued.	For shifting jack bus for 220KV Theur line shifting.
Chinchwad-Urse	15/05/2014	05:07	15/05/2014	11:02	Hot Spot at Loc.no. 23,25 of URSE Tap line.
Lonand - Baramati	15/05/2014	07:07		Continued.	Bus Isolator Replacement.
Halkarni - Momewadi -I	15/05/2014	09:30	15/05/2014	15:16	Fixing of Vibration Dampers.
220/100 KV 200 MVA ICT - IV @ Padgha.	15/05/2014	09:54	15/05/2014	15:17	Replacement of B Ph LA.
Lonikand -Theur - II	15/05/2014	11:25	15/05/2014	19:49	Shifting of line from Lonikand-1 to Lonikand-2.
Theur-Phursungi-I	15/05/2014	11:15	15/05/2014	19:11	Half Yearly Maintenance work. Charged at Phursungi end only.
Lonikand-Kathapur	15/05/2014	12:20	15/05/2014	20.15	Taken on TBC for Attending Hot Spot.
Talangade-Ichalkaranji I	15/05/2014	17:55	15/05/2014	21:00	Replacement of Palm of B Ph line side Jumper i.e. Secondary side of C.T. Fixing of 2 no. of Earth rods of 29 LE.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	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.
Karad-Kolhapur-II	15/05/2014	16.51	16/05/2014	06.12	Over Voltage.
Karad-Jaigad I	15/05/2014	17.01	16/05/2014	06.14	Over Voltage.
Khadka - Aurangabad	15/05/2014	17.33	16/05/2014	06.46	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.
Hinjewadi-I-Chinchwad	15/05/2014	08.44	15/05/2014	12.07	Controlling Chinchwad Chakan Line Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	12/05/2014	14.28		Continued.	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Pophali - Pedambe - I	15/05/2014	15.10	15/05/2014	17.35	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/May/2014

Position as on 6.30 Hrs of 16/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa - Mukund - I	15/05/2014	19.01	15/05/2014	19.51	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	165
	620	315
Bhusawal		
Unit 2	210	130
Unit 3	210	0
Unit 4	500	335
Unit 5	500	280
	1420	745
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	180
Unit 7	250	185
	1130	525
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	0
Unit 4	210	210
Unit 5	500	450
Unit 6	500	410
Unit 7	500	420
	2340	1810
Paras		
Unit 3	250	210
Unit 4	250	240
	500	450
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	560
	852	560
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	12
BHANDARDRA	45	12
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	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	806
WARDHA	405	120
Adani	2640	1851
Other CPPs	300	915
	4545	3692
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	6096
	3455	6096