



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Oct/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Oct/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	103.372	1431.972	1) Gujrat	11.912	161.450
2) Hydro	12.621	184.422	2) Madhya Pradesh	17.804	270.783
3) Gas	8.298	160.108	3) Chattisgarh	8.360	135.240
Total MSGENCO	124.291	1776.502	4) Maharashtra	64.333	956.751
B) 1) JSW JAIGAD	22.553	329.998	5) Goa	-6.217	-81.570
2) WPCL	7.540	118.422	6) TAPS 1&2 Injection	7.478	87.509
3) ADANI	37.860	488.300	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	7.268	149.531	8) Pench (Excess)	-0.767	-13.042
5) Wind Generation	2.813	120.973	# Total Cent. Sector	102.903	1517.121
6) PENCH (MS)	0.767	13.042	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-21.522	-339.290
1) TPCL Thermal	21.094	294.353	G) Bilateral Power *		
2) TPCL Hydro	4.898	49.205	1) MSEDCL Bilateral	19.081	354.410
TOTAL TPCL	25.992	343.558	Include PX	-2.125	-5.659
3) REL Thermal	11.914	174.790	2) MUMBAI Bilateral	18.289	288.112
D) STATE			Include PX	4.011	72.313
1) Thermal (A1+C1+C3)	136.380	1901.115	3) MUMBAI Schedule	18.289	288.272
2) Hydro (A2+B5+C2)	18.286	246.669	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.298	160.108	1) MSEDCL	284.473	4174.599
4) Wind (B4)	2.813	120.973	2) TPCL	38.794	554.394
5) CPP (B1+B2+B3)	75.221	635.811	3) REL	20.634	303.226
TOTAL STATE	240.998	3064.676	TOTAL STATE	343.901	5032.219

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4360	4448	4035
MSGENCO Hydro	1244	766	194
MSGENCO Gas	308	300	467
MSGENCO Total Generation	5912	5514	4696
Central Sector Receipt	4858	4623	3706
WIND	24	176	160
CPP / IPP	3062	3230	3053
Exchange with Mumbai	-1129	-1049	-607
MSEDCL DEMAND MET	12739	12541	11051
Load Shedding	231	204	71
MSEDCL DEMAND	12970	12745	11122
TPCL GENERATION	1362	1340	716
R-INFRA GENERATION	522	520	408
TPCL+R-INFRA DEMAND	3013	2909	1731
STATE DEMAND MET	15752	15450	12782
STATE DEMAND	15983	15654	12853
Frequency (Hz)	49.93	49.78	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 13:01 Hrs	49.48 Hz at 18:40 Hrs	49.92	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/Oct/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.65	6.85	170	138	132
Unit 6	3.53	45.00	160	130	133
Unit 7	0.00	31.26	0	0	0
Total	7.18	83.10			265
Bhusawal					
Unit 2	0.00	30.03	0	0	0
Unit 3	0.00	40.07	0	0	0
Unit 4	5.54	71.78	370	0	108
Unit 5	7.06	74.07	320	250	0
Total	12.60	215.95			108
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.15	48.84	140	117	140
Unit 5	3.47	51.68	158	123	145
Unit 6	4.72	62.63	217	164	170
Unit 7	3.75	59.22	193	88	90
Total	15.09	222.36			545
Chandrapur					
Unit 1	3.12	42.31	140	113	140
Unit 2	3.09	43.78	142	120	140
Unit 3	3.29	32.55	180	105	120
Unit 4	3.73	41.69	181	140	150
Unit 5	0.00	0.00	0	0	0
Unit 6	7.13	109.49	350	260	300
Unit 7	6.53	103.12	340	231	300
Total	26.88	372.94			1150
Paras					
Unit 3	4.79	55.24	220	170	220
Unit 4	4.68	60.35	213	165	210
Total	9.46	115.59			430
Khaparkheda					
Unit 1	3.74	54.02	185	125	180
Unit 2	3.30	49.68	165	115	180
Unit 3	0.00	12.15	0	0	0
Unit 4	4.36	62.07	193	171	190
Unit 5	8.45	68.65	440	290	400
Total	19.85	246.57			950
Nasik					
Unit 3	4.20	62.26	185	170	190
Unit 4	4.06	61.14	180	158	190
Unit 5	4.05	52.06	182	155	190
Total	12.32	175.46			570
Uran					
All Units	8.30	160.11	468	295	450
Total	8.30	160.11			450
PENCH (MS)					
Pench (MS)	0.77	13.04	52	12	0
Total	0.77	13.04			0
Koyna					
Stage 1-2	1.64	35.60	195	40	600
Stage 4	5.50	68.27	560	0	250
Stage 3	1.62	24.11	166	0	320
Kovna 12&4 Total	7.15	103.87			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.77	127.98			1170
Hydro					
KDPH	0.00	5.12	0	0	0
VTRNA	0.61	5.92	61	0	61
TILLARI	0.46	4.52	58	0	60
BHTGR/VEER	0.00	0.22	0	0	0
BHIRA T.R.	0.36	3.73	41	0	41
RNGR+BHTSA	0.39	6.02	17	16	17
BHANDARDRA	0.08	4.44	14	0	20
ELDARY	0.53	4.98	23	21	0
SMLHY PTN	0.50	9.88	21	20	31
GHATGHAR	0.91	9.78	250	0	0
Total	3.85	54.61			230
Wind					
MalharPeth	0.18	5.60			
Vankuswadi	0.28	9.04			
ATIT	0.03	1.31			
Kale	0.11	3.63			
Satara	0.86	35.10			
Shirala	0.10	3.90			
K Mahankal	0.01	1.12			
Supa	0.10	1.20			
Vita	0.30	18.68			
Dondaicha	0.50	27.79			
Sakri	0.07	4.08			
Nandurbar	0.07	2.70			
Khandke	0.16	2.57			
Khaparale	0.05	4.25			
Total	2.81	120.97			
CPP					
JSW JAIGAD	22.55	330.00	1160	822	941
WARDHA	7.54	118.42	327	290	345
Adani	37.86	488.30	1650	1480	1816
Other CPPs	7.27	149.53			255
Total	75.22	1086.25			3357
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.02	152.48	501	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.74	38.54	130	90	120
Trombay 7B	1.60	23.05	72	58	60
Trombay 8	5.74	80.28	253	186	250
TATA Hydro	4.90	49.20	427	0	447
Total	25.99	343.56			1377
REL					
1&2	11.91	174.79	522	401	500
Total	11.91	174.79			500
Cent Sect					
Share					4796
Total					4796

MS PG CL	Thermal	103.37	1431.97			4018
	Thml+Gas	111.67	1592.08			4468
	Hydro	12.62	184.42			1400
	Total	124.29	1776.50			5868
State Total		241.00	3064.68			15898

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Oct/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4053	252	468	4773	217	3095	3957	3902	-529	-900	11121	86	11207	2114	13321	49.97
2	4046	220	468	4734	183	3069	3787	3870	-504	-823	11074	68	11142	1916	13058	49.96
3	4062	194	468	4724	187	3102	3533	3639	-501	-700	10992	68	11060	1799	12859	50.03
4	4035	194	467	4696	160	3053	3429	3706	-475	-607	11051	71	11122	1731	12853	50.06
5	4033	138	465	4636	130	3077	3531	3814	-498	-474	11223	87	11310	1720	13030	49.98
6	4048	209	445	4702	119	3119	4090	4094	-612	-476	11579	163	11742	1813	13555	49.82
7	4149	110	315	4574	90	3153	4304	4371	-696	-524	11687	381	12068	1946	14014	49.97
8	4223	273	318	4814	84	3151	4446	4275	-768	-695	11676	572	12248	2113	14361	49.92
9	4325	637	313	5275	49	3065	4629	4602	-849	-987	12045	442	12487	2415	14902	49.89
10	4395	1104	308	5807	30	3098	4734	4875	-909	-1106	12729	314	13043	2776	15819	49.96
11	4360	1244	308	5912	24	3062	4755	4858	-941	-1129	12739	231	12970	3013	15983	49.93
12	4481	1186	312	5979	41	3072	4800	4677	-947	-1169	12612	315	12927	3045	15972	49.97
13	4375	917	300	5592	47	3015	4759	4570	-907	-1156	12092	379	12471	3002	15473	49.87
14	4319	749	296	5364	65	3022	4682	4698	-863	-1048	12127	313	12440	2873	15313	49.89
15	4362	763	295	5420	120	3016	4696	4636	-862	-1025	12194	223	12417	2891	15308	49.88
16	4367	817	297	5481	118	3004	4744	4708	-887	-1002	12336	147	12483	2880	15363	49.84
17	4364	769	297	5430	114	2930	4522	4315	-734	-1033	11782	142	11924	2901	14825	49.85
18	4403	546	297	5246	169	2953	4424	4096	-715	-1225	11282	206	11488	2882	14370	49.91
19	4448	766	300	5514	176	3230	4606	4623	-852	-1049	12541	204	12745	2909	15654	49.78
20	4515	701	310	5526	160	3347	4584	4133	-943	-1040	12149	336	12485	2868	15353	49.95
21	4512	247	313	5072	189	3407	4479	4256	-894	-893	12054	240	12294	2701	14995	49.86
22	4483	273	312	5068	127	3410	4179	4175	-834	-872	11929	164	12093	2499	14592	49.99
23	4497	199	313	5009	106	3409	4115	4063	-780	-820	11816	104	11920	2400	14320	49.89
24	4517	113	313	4943	108	3362	4143	3947	-789	-769	11643	82	11725	2221	13946	50.01
MUs	103.37	12.62	8.30	124.29	2.81	75.22	103.93	102.90	-18.29	-21.52	284.47	5.34	289.81	59.43	349.24	49.92

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/Oct/2013

Position as on 6.30 Hrs of 16/Oct/2013

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	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
CPP WPCL U-2	135	16/10/2013	05.15		Continued.	Maint.Work.	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	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	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP WPCL U-3	135	16/09/2013	21.19		Continued.	ESP Bag filter repl.	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	02/11/2013
Uran Unit 5	108	05/10/2013	07.26		Continued.	Gas Shortage	
Khaparkheda Unit 3	210	05/10/2013	22.53		Continued.	Flame failure.	
Bhusawal Unit 4	500	11/10/2013	14.16	15/10/2013	02.46	Economiser Tube Leakage	
Koradi Unit 7	210	13/10/2013	10.45		Continued.	B.T.L.	
Bhusawal Unit 2	210	13/10/2013	20.14		Continued.	I D fan problem	
Bhusawal Unit 3	210	13/10/2013	23.10		Continued.	boiler problem	
Koyna ST-IV 1	250	14/10/2013	18.00	15/10/2013	15.23	Governor Problem (Up to 16.10.2013)	
Uran Unit A0	120	15/10/2013	06.13		Continued.	Gas Shortage.	
Uran Unit 6	108	15/10/2013	06.15		Continued.	Gas Shortage.	
Koyna Unit 7	80	15/10/2013	07.05	15/10/2013	17.05	P.M.Work	
Koyna Unit 10	80	16/10/2013	00.05		Continued.	Repl.of BFV trunion lever & non lever side chevron packing.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Oct/2013

Position as on 6.30 Hrs of 16/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule - S'Sarovar- II	10/10/2013	13.24	15/10/2013	10.45	Replacement of Insulator, ready for charging 16.45Hrs.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	12/10/2013	16.44	15/10/2013	09.15	OVER VOLTAGE
Solapur - Solapur (PG)	14/10/2013	21.51	15/10/2013	06.12	Over Voltage
Kolhapur - Mapusa - II	15/10/2013	17.40		Continued.	Over Voltage.
Voltage Level : 500KV			Outage Type TRIPPED		
765KV Wardha-Senoi-II (PGCIL)	20/08/2013	20:30		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur(PGCIL)-I	18/09/2013	17.01		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	20/09/2013	17.08		Continued.	Due to Heavy Rains, 7 No's of Towers are Damaged.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - New Koyna - I	26/09/2013	18.50		Continued.	Chattering Noise at Loc.No.47
50 MVAR Reactor on 400 KV Bhusawal - II	30/09/2013	12.55		Continued.	Complete Overhauling and testing work.(For 17 days.)
TBC at Khadka	07/10/2013	17.38		Continued.	TBC BKR, B-pole stuck up existing BHEL BKR, to be repl by CGL make due to foundation mismatch.
400/220 KV 315 MVA ICT-II @ Lonikand	14/10/2013	13.50		Continued.	Repl.of CB Under Jica and ICT is on TBC.
400KV STN T/F 5B Main Bay (419) at Khaparkheda	15/10/2013	10.30	15/10/2013	14.43	R.M.Work.
400/220 KV 315 MVA ICT-I @ Parly.	15/10/2013	10.42	15/10/2013	18.48	Testing work.
Koradi-Khaparkheda-I	15/10/2013	11.26	15/10/2013	17.30	Jumper tightening work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
B-Bus PT At Padgha	14/10/2013	13.46	15/10/2013	19.16	Repl.of all PH PT under Jica 2.
Vankuswade-Malharpath	15/10/2013	08.18	15/10/2013	10.50	Repl.of B-Ph jumper wave trap.
Pedambe - Adlab	15/10/2013	09.00	15/10/2013	17.50	P.M.Work
Parly - Harangool - I	15/10/2013	09.53	15/10/2013	11.21	Repl.of disc insulator.
220/132KV 100MVA ICT II at Paranda	15/10/2013	10.12	15/10/2013	17.23	Q.M.Work
Half B.S.II at Paranda	15/10/2013	10.13	15/10/2013	17.22	Q.M.Work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Kathapur-BSSK-I	15/10/2013	18.25	15/10/2013	18.43	First Time Charging,
132/11KV 18MVA T/F at BSSK	15/10/2013	19.15	15/10/2013	19.18	First Time Charging,
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 500MVA ICT-III at Bableshwar	15/10/2013	22.42	15/10/2013	23.07	D.C.Leakage.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kalwa - Borivali	15/10/2013	05.25	15/10/2013	09.23	Attending hot spot.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Oct/2013

Position as on 6.30 Hrs of 16/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Bhusawal- Aurangabad	03/09/2013	08.40		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	07/09/2013	22.56		Continued.	Over Voltage.
Dabhol-Nagothane - II	28/09/2013	21:34		Continued.	Over Voltage.
Karad - Newkoyna - I	04/10/2013	17.02		Continued.	Over Voltage.
Chandrapur - Parli - II	12/10/2013	17.43		Continued.	Over Voltage.
Karad - Kolhapur - II	14/10/2013	23.02	15/10/2013	07.35	Over Voltage.
Lonikand- Koyna Stage IV	14/10/2013	23.04	15/10/2013	06.32	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Vita - Lamboti	14/10/2013	11.32		Continued.	BKR off at Vita end,to control L/L on Lamboti-Vita.
Babaleshwar - Alephata	15/10/2013	22.30	15/10/2013	23.15	To Control load at BBLSR ICT.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Miraj -Ichalkarajni	26/09/2013	22.00		Continued.	Over Load
Nasik-Bablsr - II	15/10/2013	05.02	15/10/2013	06.02	Pole discprancy.(shifted to TBC)

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Oct/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	150
Unit 7	210	0
	620	300
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	349
Unit 5	500	
	1420	349
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	156
Unit 6	250	165
Unit 7	250	170
	1130	641
Chandrapur		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	150
Unit 4	210	180
Unit 5	500	0
Unit 6	500	380
Unit 7	500	350
	2340	1340
Paras		
Unit 3	250	170
Unit 4	250	160
	500	330
Khaparkheda		
Unit 1	210	180
Unit 2	210	140
Unit 3	210	0
Unit 4	210	190
Unit 5	500	350
	1340	860
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	300
	852	300
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	60
BHTGR/VEER	21	0
BHIRA T.R.	80	41
RNGR+BHTSA	20	14
BHANDARDRA	45	15
ELDARY	23	20
SMLHY PTN	12	10
GHATGHAR	250	0
	611	221
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	1050
WARDHA	405	210
Adani	1320	1851
Other CPPs	300	245
	3225	3356
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4579
	3455	4579