



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Jan/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Jan/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.205	1672.832	1) Gujrat	4.950	59.777
2) Hydro	11.764	142.141	2) Madhya Pradesh	19.340	318.915
3) Gas	11.889	219.322	3) Chattisgarh	11.820	188.460
Total MSGENCO	148.858	2034.295	4) Maharashtra	43.659	724.159
B) OTHERS			5) Goa	-4.667	-83.671
1) JSW JAIGAD	26.598	352.539	6) TAPS 1&2 Injection	7.763	116.968
2) WPCL	9.227	118.789	7) RGPPL Injection	24.508	376.138
3) Other CPP / IPP	6.823	98.440	8) Pench (Excess)	-0.367	-5.460
4) Wind Generation	1.512	51.448	# Total Cent. Sector	107.006	1695.286
5) PENCH (MS)	0.367	6.922	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.341	-62.988
1) TPCL Thermal	14.272	345.275	G) Bilateral Power *		
2) TPCL Hydro	2.480	49.911	1) MSEDCL Bilateral	37.280	617.977
TOTAL TPCL	16.752	395.186	Include PX	0.000	47.403
3) REL Thermal	12.013	185.097	2) MUMBAI Bilateral	6.773	110.354
D) STATE			Include PX	-3.825	-55.223
1) Thermal (A1+C1+C3)	151.490	2203.204	3) MUMBAI Schedule	6.773	110.354
2) Hydro (A2+B5+C2)	14.611	198.974	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.889	219.322	1) MSEDCL	293.050	4294.731
4) Wind (B4)	1.512	51.448	2) TPCL	23.953	432.046
5) CPP (B1+B2+B3)	42.648	569.768	3) REL	12.182	211.270
TOTAL STATE	222.150	3242.716	TOTAL STATE	329.185	4938.047

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5323	5180	5062
MSGENCO Hydro	1359	434	134
MSGENCO Gas	459	507	487
MSGENCO Total Generation	7141	6121	5683
Central Sector Receipt	4957	4748	3828
WIND	25	101	72
CPP / IPP	1912	1896	1583
Exchange with Mumbai	-310	-688	-284
MSEDCL DEMAND MET	13772	12231	10882
Load Shedding (LS)	1109	0	0
MSEDCL DEMAND (INCL. LS)	14881	12231	10882
TPCL GENERATION	904	622	511
REL GENERATION	529	529	386
TPCL+REL DEMAND	1743	1839	1181
STATE DEMAND MET	15515	14070	12063
Load Management (LM)	2030	3585	1631
Total Load Relief (LS+LM)	3139	3585	1631
UNRESTRICTED STATE DEMAND	18654	17655	13694
Frequency (Hz)	49.89	50.03	50.18

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.55 Hz at 05.05 Hrs	49.51 Hz at 08.28 Hrs	49.97	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/Jan/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	22.49	0	0	0
Unit 6	0.00	30.65	0	0	0
Unit 7	4.57	61.41	205	180	190
Total	4.57	114.55			190
Bhusawal					
Unit 2	3.50	51.98	200	0	190
Unit 3	4.39	64.65	195	180	180
Unit 4	0.00	0.00	0	0	
Total	7.90	116.64			370
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.31	64.13	195	165	155
Unit 5	3.61	36.03	158	120	152
Unit 6	4.18	68.06	236	118	165
Unit 7	4.47	66.85	226	166	170
Total	16.56	235.08			642
Chandrapur					
Unit 1	3.68	54.85	163	145	160
Unit 2	3.45	55.55	162	126	160
Unit 3	3.35	56.83	162	122	165
Unit 4	5.11	75.97	214	210	210
Unit 5	11.34	76.98	480	455	475
Unit 6	10.85	152.81	477	430	450
Unit 7	10.81	136.16	461	435	460
Total	48.58	609.15			2080
Paras					
Unit 3	5.77	82.83	261	200	250
Unit 4	5.53	79.55	250	218	225
Total	11.29	162.38			475
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.38	66.64	189	170	200
Unit 3	5.08	68.20	223	191	210
Unit 4	5.04	75.31	221	186	210
Unit 5	8.90	39.11	427	306	
Total	23.39	249.26			620
Nasik					
Unit 3	5.04	74.87	220	180	210
Unit 4	4.90	73.55	213	183	210
Unit 5	2.96	37.36	199	0	70
Total	12.91	185.78			490
Uran					
All Units	11.89	219.32	509	459	500
Total	11.89	219.32			500
PENCH (MS)					
Pench (MS)	0.37	6.92	53	0	
Total	0.37	6.92			
Koyna					
Stage 1-2	3.28	32.88	490	35	600
Stage 4	1.69	10.12	272	0	250
Stage 3	1.09	10.38	150	0	320
Total	6.07	53.38			1170
Kovna 12&4 Total	4.98	43.00			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.46	7.45	19	19	20
VTRNA	0.93	14.35	61	0	60
TILLARI	0.39	6.10	60	0	60
BHTGR/VEER	0.48	7.05	20	20	10
BHIRA T.R.	0.27	2.50	80	0	75
RNGR+BHTSA	0.36	5.46	16	15	15
BHANDARDRA	0.00	0.38	0	0	0
ELDARY	0.00	1.53	0	0	0
SMLHY PTN	1.03	16.27	51	40	20
GHATGHAR	1.76	27.66	250	0	0
Total	5.70	88.76			260
Wind					
MalharPeth	0.11	2.27			
Vankuswadi	0.14	3.81			
ATIT	0.02	0.62			
Kale	0.04	1.39			
Satara	0.09	7.13			
Shirala	0.05	1.48			
K Mahankal	0.20	3.77			
Supa	0.01	1.36			
Vita	0.36	8.31			
Dondaicha	0.28	12.96			
Sakri	0.02	1.87			
Nandurbar	0.04	1.19			
Khandke	0.04	2.92			
Khaparale	0.11	2.36			
Total	1.51	51.45			
CPP					
JSW JAIGAD	26.60	352.54	1224	939	1100
WARDHA	9.23	118.79	395	377	396
Other CPPs	6.82	98.44			
Total	42.65	569.77			1496
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	97.29	0	0	0
Trombay 6	4.44	97.32	307	155	500
Trombay 7A	2.78	43.84	133	90	120
Trombay 7B	1.57	24.30	70	58	60
Trombay 8	5.48	82.52	247	171	250
TATA Hydro	2.48	49.91	309	0	447
Total	16.75	395.19			1377
REL					
1&2	12.01	185.10	529	385	500
Total	12.01	185.10			500
Cent Sect					
Share					4953
Total					4953

MS PG CL	Thermal	125.20	1672.83			4867
	Thml+Gas	137.09	1892.15			5367
	Hydro	11.76	142.14			1430
	Total	148.86	2034.30			6797
State Total		222.15	3242.72			15123

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Jan/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	5184	139	489	5812	22	1586	4096	3971	-391	-455	10936	1961	10936	1382	14279	49.92
2	5125	134	489	5748	57	1587	4133	3999	-429	-399	10992	1899	10992	1267	14158	50.00
3	5062	134	487	5683	72	1583	4133	3828	-429	-284	10882	1631	10882	1181	13694	50.18
4	5101	139	488	5728	77	1590	4133	3806	-429	-210	10991	1782	10991	1129	13902	50.15
5	5114	134	486	5734	82	1601	4133	4017	-429	-219	11215	1781	11215	1137	14133	50.01
6	5236	134	487	5857	90	1676	4446	4329	-153	-119	11833	1873	11847	1215	14921	50.06
7	5242	224	492	5958	108	1895	4354	4383	-36	-84	12283	2176	12586	1309	15768	49.87
8	5212	557	493	6262	99	1907	4406	4651	-104	-58	12884	2825	13548	1389	17098	49.81
9	5202	749	493	6444	82	1918	4427	4743	-157	-149	13048	2869	13754	1538	17455	49.72
10	5197	1237	491	6925	48	1911	4572	4980	-189	-229	13662	2822	14350	1678	18162	49.72
11	5250	1314	496	7060	33	1904	4650	5047	-282	-280	13798	2990	14769	1750	18538	49.77
12	5323	1359	459	7141	25	1912	4849	4957	-380	-310	13772	3139	14881	1743	18654	49.89
13	5353	1050	493	6896	20	1865	4849	4898	-354	-266	13446	3124	14560	1692	18262	49.95
14	5417	801	493	6711	20	1842	4827	4888	-327	-210	13274	3016	14330	1629	17919	50.08
15	5334	834	498	6666	21	1845	4798	4772	-279	-150	13161	2734	14005	1560	17455	49.99
16	5286	727	502	6515	25	1786	4683	4917	-247	-111	13132	2642	13951	1482	17256	49.98
17	5394	290	501	6185	25	1794	4657	4484	-221	-203	12285	2894	12900	1479	16658	49.99
18	5327	220	505	6052	41	1874	4571	4013	-130	-306	11674	2760	11680	1521	15955	49.95
19	5244	290	507	6041	57	1893	4821	4623	-263	-571	12076	3527	12076	1732	17335	49.96
20	5180	434	507	6121	101	1896	5024	4748	-322	-688	12231	3585	12231	1839	17655	50.03
21	5141	329	508	5978	124	1819	5094	4660	-382	-674	11951	3578	11951	1783	17312	49.94
22	5127	209	508	5844	110	1652	4484	4430	-284	-573	11473	3570	11473	1680	16723	50.05
23	5077	196	508	5781	94	1624	4274	4035	-333	-463	11071	3442	11071	1568	16081	50.07
24	5077	130	509	5716	79	1688	4046	3828	-222	-330	10981	2867	10981	1423	15271	50.14
MUs	125.20	11.76	11.89	148.86	1.51	42.65	108.46	107.01	-6.77	-7.34	293.05	65.49	301.96	36.11	394.64	49.97

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/Jan/2012

Position as on 6.30 Hrs of 16/Jan/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	22/01/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	18/01/2012
Cent_Sect NTPC (K-2)	210	20/12/2011	13.45		Continued.	Annual Overhaul.	18/01/2012
Khaparkheda Unit 1	210	31/12/2011	02.37		Continued.	Annual Overhaul	10/02/2012
Koyna ST - IV 3	250	07/01/2012	15.45		Continued.	Spherical Oil Tank Level Increased.	22/01/2012
Tata Trombay 5	500	11/01/2012	00.19		Continued.	Annual overhaul.	14/02/2012
Koyna Unit 2	75	15/01/2012	08.20	15/01/2012	15.05	Preventative Maint.Work.	
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	29/02/2012
Dabhol 3B	230	12/12/2011	23.46		Continued.	Gas shortage.	
Dabhol 3A	230	13/12/2011	16.09		Continued.	Gas Shortage	
Dabhol 3X	290	13/12/2011	16.09		Continued.	Gas Shortage	
Cent_Sect NTPC(K-3)	210	28/12/2011	14.00		Continued.	CW Pump Problem	
Nasik Unit 5	210	09/01/2012	07.30	15/01/2012	04.10	Boiler Tube Leakage.	
Koradi Unit 5	200	11/01/2012	00.12		Continued.	W/Dn,by Mahagenco.	
Koradi Unit 6	210	11/01/2012	00.20		Continued.	W/Dn,by Mahagenco.	
Bhusawal Unit 2	210	15/01/2012	18.42		Continued.	Boiler Tube Leakage.	18/01/2012

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jan/2012

Position as on 6.30 Hrs of 16/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha - Talegaon (PG)	15/01/2012	07.55	15/01/2012	16.38	Line Maintenance Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur	29/12/2011	07:54		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temprrory reconfigured as Tarapur-Boisar ckt-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-S'Sarovar I	10/01/2012	21.50	15/01/2012	09.10	Over Voltage.
Parly(PG) - Wardha (PG) - I	11/01/2012	18.16		Continued.	Over Voltage.
Parli (PG)-Bhadravati I	11/01/2012	21.56		Continued.	Over Voltage.
Wardha - Akola - II	13/01/2012	20.05		Continued.	Over Voltage.
Parly(PG)- Solapur(PG) - I	13/01/2012	21.42		Continued.	Over Voltage.
Kolhapur - Mapusa - II	14/01/2012	16:10		Continued.	H/T for Overvoltage.
Dhule-S'Sarovar I	15/01/2012	22.00		Continued.	Over Voltage.
Akola - Aurangabad - II	15/01/2012	22:21	16/01/2012	7:52	H/T for Overvoltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-S'Sarovar I	15/01/2012	12.56	15/01/2012	14.00	Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 105 MVA Spare ICT at Parly II	22/04/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
400/220KV,200MVA Spare ICT at Kalwa.	15/12/2011	14.59		Continued.	For Replacement of Y Ph. C T of ICT-I by 400KV C T of Spare ICT.up to 18.01.2012
Dhule - Babhaleshwar - I	14/01/2012	10.28	15/01/2012	05.25	Line maintenance work.(From 17.59 Hrs ready for charging)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
Kalwa-Trombay	30/11/2011	09.20		Continued.	Replacement of Breaker (Taken on TBC upto 16.01.2012.
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA (Up to 29/2/12)
Boiser - Borivali	29/12/2011	08.40		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temporary reconfigured as Tarapur-Boisar ckt-II
Main Bus-I at Koradi.	12/01/2012	11.54		Continued.	Replacement of 29A Isolator
220/132KV 100 MVA ICT @ Yavatmal	13/01/2012	09.35		Continued.	Replacement of 220 & 132 KV C T.
Chandrapur-Wani	15/01/2012	08.02		Continued.	Dismantling of Existing Towers No.33 & 44 of 220KV Chandrapur-Warora,Erection of Tower @ Loc No.25,26,Stringing Bet.Existing Tower No.45 to New Loc No.25,26.
Chandrapur-Warora	15/01/2012	08.12		Continued.	Dismantling of Existing Towers No.33 & 44 of 220KV Chandrapur-Warora,Erection of Tower @ Loc No.25,26,Stringing Bet.Existing Tower No.45 to New Loc No.25,26.
220/100KV 200 MVA ICT	15/01/2012	20.05	16/01/2012	02.40	Hot Spot.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jan/2012

Position as on 6.30 Hrs of 16/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
III at Borivali					
Borivali-Kalwa	15/01/2012	21.08	16/01/2012	02.29	Taken on TBC.
220/100KV, 200MVA ICT-I at Borivali.	15/01/2012	23.15		Continued.	Bus Outage @ Birivali.
Borivali-Tata Borivali 4	15/01/2012	23.17	16/01/2012	02.49	Bus Outage @ Birivali.
Borivali - Bhandup (GIC)	15/01/2012	23.20	16/01/2012	02.35	Bus Outage @ Birivali.
Main Bus - I @ Borivali	15/01/2012	23.21	16/01/2012	02.29	Hot Spot.
220/100KV 200 MVA ICT III at Borivali	16/01/2012	02.40		Continued.	Taken on TBC.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
Borivali - Borivali- I	15/01/2012	23.13	16/01/2012	02.52	Bus Outage @ Birivali.
Borivali-Borivali-II	15/01/2012	23.13	16/01/2012	02.52	Bus Outage @ Birivali.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV, 500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogen pressure fire alarm received.
400/220KV 500MVA ICT-III at Dhule	07/01/2012	20.04		Continued.	Due to MCCB of Diff. Relay Burnt.
Bhusawal- Aurangabad	12/01/2012	17.11	15/01/2012	09.50	Over Voltage
Karad-Kolhapur-II	14/01/2012	18.07		Continued.	Over Voltage.
Bhusawal- Aurangabad	15/01/2012	16.59		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	24/12/2011	17.58		Continued.	To control Wardha-Warora, Hinganghat -Warora.L/L.
Voltage Level : 400KV			Outage Type TRIPPED		
Kalwa - Lonikand	15/01/2012	04.25	15/01/2012	07.47	Over Voltage.
Kalwa - Lonikand	16/01/2012	02.46		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip, Diff.Prot.operated, PRV tripped(Failed).
Aurangabad - Bhenda	15/01/2012	13.09	15/01/2012	13.30	Distance Protection Operated Z-I.
Aarey-Borivali-II	15/01/2012	15.03	15/01/2012	15.22	Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Kannad - Kagzipura	15/01/2012	17.03	15/01/2012	22.55	Distance Protection Operated Z-i Y Ph. to E/F.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	190
	620	190
Bhusawal		
Unit 2	210	0
Unit 3	210	180
Unit 4	500	
	920	180
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	155
Unit 6	250	180
Unit 7	250	160
	1130	665
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	140
Unit 4	210	210
Unit 5	500	475
Unit 6	500	450
Unit 7	500	450
	2340	2045
Paras		
Unit 3	250	200
Unit 4	250	250
	500	450
Khaparkheda		
Unit 1	210	0
Unit 2	210	200
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	620
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	210
	630	630
Uran		
All Units	852	500
	852	500
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
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	20
GHATGHAR	250	0
	611	264
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	600	890
WARDHA	405	396
Other CPPs	0	
	1005	1286
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
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	5257
	3455	5257

	17900	7 of 7 15134
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