



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Feb/2012

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	108.251	1860.898	1) Gujrat	8.652	87.030
2) Hydro	9.069	146.084	2) Madhya Pradesh	21.529	291.936
3) Gas	7.405	172.624	3) Chattisgarh	13.700	182.980
Total MSGENCO	124.725	2179.606	4) Maharashtra	54.073	713.462
B) OTHERS			5) Goa	-6.321	-92.607
1) JSW JAIGAD	23.748	349.674	6) TAPS 1&2 Injection	7.802	116.939
2) WPCL	9.294	123.551	7) RGPPL Injection	23.676	356.533
3) Other CPP / IPP	7.197	107.732	8) Pench (Excess)	-0.358	-5.376
4) Wind Generation	5.704	67.806	# Total Cent. Sector	122.753	1650.897
5) PENCH (MS)	0.358	5.621	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-5.201	-138.019
1) TPCL Thermal	26.857	263.073	G) Bilateral Power *		
2) TPCL Hydro	2.945	75.087	1) MSEDCL Bilateral	39.476	486.161
TOTAL TPCL	29.802	338.160	Include PX	4.397	7.263
3) REL Thermal	12.277	186.954	2) MUMBAI Bilateral	9.129	120.275
D) STATE			Include PX	-1.258	-40.558
1) Thermal (A1+C1+C3)	147.385	2310.925	3) MUMBAI Schedule	9.129	144.039
2) Hydro (A2+B5+C2)	12.372	226.792	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.405	172.624	1) MSEDCL	288.578	4346.868
4) Wind (B4)	5.704	67.806	2) TPCL	31.248	442.950
5) CPP (B1+B2+B3)	40.239	580.957	3) REL	16.030	220.669
TOTAL STATE	213.105	3359.104	TOTAL STATE	335.856	5010.487

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4596	4463	4448
MSGENCO Hydro	987	349	158
MSGENCO Gas	295	301	306
MSGENCO Total Generation	5878	5113	4912
Central Sector Receipt	5444	5411	4440
WIND	36	520	77
CPP / IPP	1773	1774	1453
Exchange with Mumbai	-233	-327	90
MSEDCL DEMAND MET	12923	12541	10972
Load Shedding (LS)	1973	447	2
MSEDCL DEMAND (INCL. LS)	14896	12988	10974
TPCL GENERATION	1554	1508	958
REL GENERATION	527	527	457
TPCL+REL DEMAND	2314	2362	1325
STATE DEMAND MET	15237	14903	12297
Load Management (LM)	2033	3319	1773
Total Load Relief (LS+LM)	4006	3766	1775
UNRESTRICTED STATE DEMAND	19243	18669	14072
Frequency (Hz)	49.75	49.82	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 05:03 Hrs	49.36 Hz at 06:49 Hrs	49.86	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/Feb/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.17	47.55	145	117	132
Unit 6	3.51	52.34	165	130	154
Unit 7	3.74	58.85	180	135	175
Total	10.42	158.73			461
Bhusawal					
Unit 2	4.17	61.29	190	140	180
Unit 3	0.00	50.73	0	0	0
Unit 4	0.00	0.00	0	0	0
Total	4.17	112.02			180
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.32	68.60	192	166	170
Unit 5	3.71	57.58	172	117	170
Unit 6	4.52	55.45	218	164	180
Unit 7	4.64	76.32	215	166	180
Total	17.19	257.95			700
Chandrapur					
Unit 1	0.00	36.91	0	0	0
Unit 2	4.21	59.70	180	169	170
Unit 3	4.04	61.50	180	150	180
Unit 4	4.86	72.93	208	195	210
Unit 5	11.07	164.62	475	445	475
Unit 6	11.18	154.76	482	437	450
Unit 7	9.93	148.84	440	355	450
Total	45.29	699.25			1935
Paras					
Unit 3	0.00	71.98	0	0	0
Unit 4	4.06	80.83	233	123	250
Total	4.06	152.81			250
Khaparkheda					
Unit 1	4.96	65.01	215	170	210
Unit 2	1.71	61.83	174	0	180
Unit 3	4.34	64.83	192	173	180
Unit 4	5.11	77.70	223	178	210
Unit 5	0.00	41.94	0	0	0
Total	16.13	311.31			780
Nasik					
Unit 3	5.02	74.51	220	175	210
Unit 4	4.82	60.20	212	176	210
Unit 5	1.14	34.11	185	0	0
Total	10.99	168.82			420
Uran					
All Units	7.40	172.62	400	291	310
Total	7.40	172.62			310
PENCH (MS)					
Pench (MS)	0.36	5.62	50	0	0
Total	0.36	5.62			0
Koyna					
Stage 1-2	1.68	31.27	275	40	600
Stage 4	0.91	14.44	275	0	250
Stage 3	0.53	10.44	130	0	320
Total	3.13	56.15			1170
Kovna 12&4 Total	2.60	45.70			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	4.81	20	19	20
VTRNA	0.92	12.30	61	0	60
TILLARI	0.36	5.18	60	0	60
BHTGR/VEER	0.43	3.14	18	17	19
BHIRA T.R.	0.18	4.65	58	0	40
RNGR+BHTSA	0.33	5.20	15	13	10
BHANDARDRA	0.56	8.82	24	23	0
ELDARY	0.00	2.55	0	0	0
SMLHY PTN	1.00	14.74	49	38	10
GHATGHAR	1.68	28.56	250	0	0
Total	5.94	89.94			219
Wind					
MalharPeth	0.28	3.00			
Vankuswadi	0.44	3.89			
ATIT	0.07	1.48			
Kale	0.17	1.50			
Satara	1.32	8.09			
Shirala	0.15	1.75			
K Mahankal	0.01	2.77			
Supa	0.12	1.66			
Vita	0.48	8.17			
Dondaicha	1.86	24.04			
Sakri	0.27	2.99			
Nandurbar	0.16	2.25			
Khandke	0.22	3.94			
Khaparale	0.16	2.28			
Total	5.70	67.81			
CPP					
JSW JAIGAD	23.75	349.67	1046	883	1045
WARDHA	9.29	123.55	431	288	430
Other CPPs	7.20	107.73			
Total	40.24	580.96			1475
Tata					
Trombay 4	0.00	1.57	0	0	0
Trombay 5	10.97	23.69	499	307	500
Trombay 6	5.76	87.83	389	155	500
Trombay 7A	3.03	42.08	130	110	120
Trombay 7B	1.65	23.80	70	63	60
Trombay 8	5.45	84.10	250	177	250
TATA Hydro	2.94	75.09	311	0	447
Total	29.80	338.16			1877
REL					
1&2	12.28	186.95	529	457	500
Total	12.28	186.95			500
Cent Sect					
Share					5074
Total					5074

MS PG CL	Thermal	108.25	1860.90			4726
	Thml+Gas	115.66	2033.52			5036
	Hydro	9.07	146.08			1389
	Total	124.72	2179.61			6425
State Total		213.10	3359.10			15351

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Feb/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	4546	153	400	5099	172	1456	4856	4591	-377	-22	11296	1951	11353	1507	14754	49.86
2	4466	158	365	4989	140	1453	4820	4732	-327	95	11409	1847	11410	1375	14631	49.96
3	4414	158	306	4878	112	1456	4876	4750	-372	92	11288	1559	11289	1329	14176	49.98
4	4448	158	306	4912	77	1453	4883	4440	-372	90	10972	1775	10974	1325	14072	50.03
5	4476	158	306	4940	78	1468	4844	4916	-374	47	11449	1807	11461	1357	14613	49.91
6	4620	163	310	5093	83	1612	4501	5339	-131	-8	12119	2421	12629	1452	15992	49.89
7	4693	176	306	5175	62	1753	4633	5258	-237	-131	12117	3262	13438	1645	17024	49.71
8	4682	316	306	5304	60	1771	4981	5638	-220	-345	12428	3741	13938	1897	18066	49.80
9	4663	337	308	5308	39	1717	4979	5799	-271	-348	12515	3813	14093	2066	18394	49.77
10	4731	914	303	5948	33	1776	4953	5338	-305	-317	12788	4063	14718	2262	19113	49.67
11	4596	987	295	5878	36	1773	5196	5444	-331	-233	12923	4006	14896	2314	19243	49.75
12	4572	1031	296	5899	61	1775	5224	5332	-357	-222	12870	3797	14640	2380	19047	49.72
13	4551	735	296	5582	156	1781	5424	5518	-472	-308	12753	3823	14550	2373	18949	49.77
14	4575	569	291	5435	206	1772	5427	5453	-475	-352	12537	3515	14079	2288	18340	49.77
15	4601	559	292	5452	346	1782	5411	5352	-459	-334	12621	3224	14027	2288	18133	49.73
16	4457	430	295	5182	371	1772	5416	5511	-464	-317	12543	3239	14080	2286	18068	49.87
17	4387	214	298	4899	416	1769	4950	5085	-587	-359	11833	3502	13296	2290	17625	50.02
18	4418	220	300	4938	456	1769	4859	4245	-500	-373	11042	3450	11984	2288	16780	49.96
19	4435	336	298	5069	525	1779	4915	4807	-443	-290	11907	3875	12494	2268	18050	49.92
20	4463	349	301	5113	520	1774	5078	5411	-449	-327	12541	3766	12988	2362	18669	49.82
21	4430	288	303	5021	596	1690	5030	5031	-439	-345	12033	3695	12409	2238	17966	49.79
22	4349	225	309	4883	457	1677	5033	4756	-439	-375	11448	3599	11728	2166	17213	49.97
23	4320	225	307	4852	375	1620	4925	5026	-428	-213	11677	3400	11900	1804	16881	49.96
24	4358	210	308	4876	327	1591	4729	4981	-306	-306	11469	2832	11667	1720	16021	49.98
MUs	108.25	9.07	7.40	124.72	5.70	40.24	119.94	122.75	-9.13	-5.20	288.58	75.96	310.04	47.28	411.82	49.86

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/Feb/2012

Position as on 6.30 Hrs of 16/Feb/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.	16/02/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	16/02/2012
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	29/02/2012
Dabhol 3B	230	04/02/2012	23.43		Continued.	Gas Shortage	
Nasik Unit 5	210	08/02/2012	06.05	15/02/2012	08:50	Vibration problem.	
Dabhol 1A	230	09/02/2012	14.51		Continued.	Gas Shortage	
Chandrapur Unit 1	210	11/02/2012	11.29		Continued.	Extension of Boiler Validity	
Uran Unit 8	108	11/02/2012	12.02		Continued.	Gas Shortage	
Bhusawal Unit 3	210	13/02/2012	00.23		Continued.	C V S M Problem.	
Khaparkheda Unit 5	500	13/02/2012	22.18		Continued.	Low Vaccum.	
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdran.	
Paras Unit 3	250	14/02/2012	02.07		Continued.	Boiler Tube Leakage.	17/02/2012
Uran Unit B0	120	15/02/2012	01.47		Continued.	To attend work on 220 KV side Y-Ph stub bus.	16/02/2012
Uran Unit 7	108	15/02/2012	01.50		Continued.	Gas shortage.	16/02/2012
Dabhol 1B	230	15/02/2012	04.10	15/02/2012	08:44	Quaternery GCV malfunction.	
Dabhol 1X	290	15/02/2012	04.10	15/02/2012	11:03	Quaternery GCV malfunction.	
Khaparkheda Unit 2	210	15/02/2012	10:00		Continued.	Boiler Tube Leakage.	19/02/2012
Nasik Unit 5	210	15/02/2012	21:10		Continued.	I. D. Fan problem.	17/02/2012
CPP WPCL U-1	135	15/02/2012	23.58		Continued.	Low Demand	

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

Position as on 6.30 Hrs of 16/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad - Solapur (PGCIL)	15/02/2012	11.25	15/02/2012	11.45	To Remove Line Reactor
Lamboti - Solapur (PGCIL)	15/02/2012	16.01	15/02/2012	19.40	Attending noise in wave Trap and Problem in carrier pannel
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
Wardha - Deoli (PGCIL)	15/02/2012	10.36	15/02/2012	19.05	Stringing work of 765KV Sioni-Wardha-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	14/02/2012	16.06		Continued.	Over Voltage.
Akola - Wardha - I	14/02/2012	22.12	15/02/2012	09.28	Over Voltage.
Kolhapur - Mapusa - I	14/02/2012	22.29	15/02/2012	09.54	Over Voltage.
Kolhapur - Mapusa - I	15/02/2012	16.28		Continued.	Over Voltage
Parly(PG) - Wardha (PG) - I	15/02/2012	17.03		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad - Newkoyna - I	10/02/2012	09.33	15/02/2012	09.44	For commissioning and erection of 400KV LA at Karad.
50 MVAR line reactor on 400 KV Parli ckt II at Chandrapur	14/02/2012	09.38	15/02/2012	17.19	To attend oil leakage.
Bus Coupler @ Padgha	15/02/2012	09.47		Continued.	Brekaer overhauling(Up to 20/2/12)
Chandrapur - Parli - II	15/02/2012	16.59	15/02/2012	17.20	Line Reactor taken in service
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.(Testing work in progress, Expected charging on 14/2/12)
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
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthing work
Khargar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthing work
Kalwa - Salshet - IV	15/02/2012	08.19	15/02/2012	11.40	Testing of Breaker(taken on TBC)
New Paras TPS - Chikhali - I	15/02/2012	08.57	15/02/2012	18.25	Stringing of 220KV Jalna-chikhali D/C line
New Paras TPS-Chikhali - II	15/02/2012	09.00	15/02/2012	18.57	Stringing of 220KV Jalna-Chikhali D/C Line
Apta-Uran-IV	15/02/2012	10.28	15/02/2012	21.56	Uran Main Bus I Outage
Wardha-Badnera	15/02/2012	10.33	15/02/2012	19.07	Stringing work of 765KV Sioni-Wardha-II
Parli-Usmanabad	15/02/2012	10.58	15/02/2012	12.56	Jaw replacement work of line Isolator
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Breaker Problem(Ckt is on TBC)
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/100 KV 200 MVA ICT-	15/02/2012	15.29	15/02/2012	17.11	B phase Oil Leakage

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

Position as on 6.30 Hrs of 16/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
II @ Apta					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low N2 pressure(Oil Testing work is in progress)
Karad-Kolhapur-II	14/02/2012	16.04	15/02/2012	09.48	Over Voltage.
Bhusawal- Aurangabad	14/02/2012	16.10	15/02/2012	06.53	Over Voltage.
Bhusawal- Aurangabad	15/02/2012	16.27		Continued.	Over Voltage
Karad - Kolhapur - I	15/02/2012	21.16		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur-Warora	13/02/2012	16.58		Continued.	To Control Warora-Wardha Line Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persist.
Bablsr-Aurangabad	14/02/2012	21.53	15/02/2012	05.25	Over Voltage.
Bablsr-Aurangabad	15/02/2012	17.42	16/02/2012	06.28	Internal Fault
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).
Voltage Level : 132KV			Outage Type TRIPPED		
Kawalewada-Gondia-I	15/02/2012	17.48	15/02/2012	18.20	LA Burst at Gondia end

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Feb/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	135
Unit 7	210	165
	620	440
Bhusawal		
Unit 2	210	160
Unit 3	210	0
Unit 4	500	
	920	160
Parli		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	160
Unit 6	250	180
Unit 7	250	200
	1130	720
Chandrapur		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	175
Unit 4	210	210
Unit 5	500	475
Unit 6	500	460
Unit 7	500	425
	2340	1915
Paras		
Unit 3	250	0
Unit 4	250	160
	500	160
Khaparkheda		
Unit 1	210	210
Unit 2	210	0
Unit 3	210	180
Unit 4	210	210
Unit 5	500	
	1340	600
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	0
	630	420
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	18
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	16
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	10
ELDARY	23	0
SMLHY PTN	12	30
GHATGHAR	250	0
	611	284
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	1045
WARDHA	405	330
Other CPPs	0	
	1005	1375
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5108
	3455	5108