



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Feb/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Feb/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	103.785	1964.683	1) Gujrat	10.115	97.145
2) Hydro	10.278	156.362	2) Madhya Pradesh	23.846	315.782
3) Gas	7.551	180.175	3) Chattisgarh	13.820	196.800
Total MSGENCO	121.614	2301.220	4) Maharashtra	48.401	761.863
B) OTHERS			5) Goa	-6.030	-98.637
1) JSW JAIGAD	23.812	373.486	6) TAPS 1&2 Injection	7.774	124.713
2) WPCL	7.262	130.813	7) RGPPL Injection	25.277	381.810
3) Other CPP / IPP	7.255	114.987	8) Pench (Excess)	-0.560	-5.936
4) Wind Generation	4.001	71.807	# Total Cent. Sector	122.643	1773.540
5) PENCH (MS)	0.560	6.181	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-2.430	-141.992
1) TPCL Thermal	24.505	287.578	G) Bilateral Power *		
2) TPCL Hydro	2.792	77.879	1) MSEDCL Bilateral	39.852	526.013
TOTAL TPCL	27.297	365.457	Include PX	4.641	11.904
3) REL Thermal	12.317	199.271	2) MUMBAI Bilateral	6.252	126.527
D) STATE			Include PX	-4.263	-44.821
1) Thermal (A1+C1+C3)	140.607	2451.532	3) MUMBAI Schedule	6.252	150.291
2) Hydro (A2+B5+C2)	13.630	240.422	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.551	180.175	1) MSEDCL	284.717	4630.042
4) Wind (B4)	4.001	71.807	2) TPCL	28.641	471.591
5) CPP (B1+B2+B3)	38.329	619.286	3) REL	13.400	234.069
TOTAL STATE	204.118	3563.222	TOTAL STATE	326.758	5335.702

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	4355	4264	4300
MSGENCO Hydro	1274	332	160
MSGENCO Gas	307	324	315
MSGENCO Total Generation	5936	4920	4775
Central Sector Receipt	5434	5294	4654
WIND	47	119	339
CPP / IPP	1694	1693	1388
Exchange with Mumbai	-108	-154	51
MSEDCL DEMAND MET	13053	11923	11207
Load Shedding (LS)	1728	843	6
MSEDCL DEMAND (INCL. LS)	14781	12766	11213
TPCL GENERATION	1522	1468	819
REL GENERATION	527	528	456
TPCL+REL DEMAND	2157	2150	1224
STATE DEMAND MET	15210	14073	12431
Load Management (LM)	2028	3552	1702
Total Load Relief (LS+LM)	3756	4395	1708
UNRESTRICTED STATE DEMAND	18966	18468	14139
Frequency (Hz)	49.70	49.85	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 03:22 Hrs	49.28 Hz at 20:18 Hrs	49.84	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 16/Feb/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.31	50.86	144	126	140
Unit 6	3.34	55.68	148	110	135
Unit 7	4.10	62.96	185	160	165
Total	10.76	169.49			440
Bhusawal					
Unit 2	3.54	64.83	175	120	160
Unit 3	0.08	50.82	40	0	0
Unit 4	0.00	0.00	0	0	0
Total	3.62	115.64			160
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.46	73.06	198	178	180
Unit 5	3.75	61.34	175	132	160
Unit 6	4.51	59.96	225	163	180
Unit 7	4.42	80.74	210	168	200
Total	17.14	275.10			720
Chandrapur					
Unit 1	0.00	36.91	0	0	0
Unit 2	4.08	63.78	178	162	170
Unit 3	4.11	65.61	175	158	175
Unit 4	4.92	77.85	209	200	210
Unit 5	11.16	175.77	480	440	475
Unit 6	10.73	165.49	483	418	460
Unit 7	9.06	157.90	421	307	425
Total	44.06	743.31			1915
Paras					
Unit 3	0.03	72.01	30	0	0
Unit 4	3.20	84.02	147	116	160
Total	3.22	156.03			160
Khaparkheda					
Unit 1	5.08	70.09	215	200	210
Unit 2	0.00	61.83	0	0	0
Unit 3	4.67	69.50	219	170	180
Unit 4	5.16	82.86	224	197	210
Unit 5	0.00	41.94	0	0	0
Total	14.90	326.21			600
Nasik					
Unit 3	5.13	79.64	220	200	210
Unit 4	4.95	65.15	212	192	210
Unit 5	0.00	34.11	0	0	0
Total	10.08	178.90			420
Uran					
All Units	7.55	180.18	326	298	300
Total	7.55	180.18			300
PENCH (MS)					
Pench (MS)	0.56	6.18	51	0	0
Total	0.56	6.18			0
Koyna					
Stage 1-2	2.87	34.14	485	40	600
Stage 4	0.69	15.13	280	0	250
Stage 3	0.89	11.33	214	0	320
Total	4.45	60.60			1170
Kovna 12&4 Total	3.56	49.27			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.48	5.28	20	19	18
VTRNA	0.68	12.99	61	0	60
TILLARI	0.39	5.57	60	0	60
BHTGR/VEER	0.42	3.56	18	17	16
BHIRA T.R.	0.15	4.80	41	0	80
RNGR+BHTSA	0.35	5.55	16	14	10
BHANDARDRA	0.58	9.40	25	24	10
ELDARY	0.00	2.55	0	0	0
SMLHY PTN	0.99	15.73	49	38	30
GHATGHAR	1.78	30.34	250	0	0
Total	5.82	95.76			284
Wind					
MalharPeth	0.26	3.26			
Vankuswadi	0.48	4.37			
ATIT	0.07	1.55			
Kale	0.15	1.65			
Satara	1.15	9.25			
Shirala	0.10	1.85			
K Mahankal	0.01	2.78			
Supa	0.11	1.77			
Vita	0.33	8.50			
Dondaicha	0.69	24.73			
Sakri	0.12	3.11			
Nandurbar	0.10	2.35			
Khandke	0.25	4.19			
Khaparale	0.17	2.45			
Total	4.00	71.81			
CPP					
JSW JAIGAD	23.81	373.49	1088	886	1045
WARDHA	7.26	130.81	332	220	330
Other CPPs	7.26	114.99			
Total	38.33	619.29			1375
Tata					
Trombay 4	0.00	1.57	0	0	0
Trombay 5	9.67	33.36	499	284	500
Trombay 6	4.66	92.49	261	154	500
Trombay 7A	3.06	45.14	131	122	120
Trombay 7B	1.65	25.45	70	68	60
Trombay 8	5.47	89.57	250	176	250
TATA Hydro	2.79	77.88	359	0	447
Total	27.30	365.46			1877
REL					
1&2	12.32	199.27	528	454	500
Total	12.32	199.27			500
Cent Sect					
Share					5108
Total					5108

MS PG CL	Thermal	103.78	1964.68			4415
	Thml+Gas	111.34	2144.86			4715
	Hydro	10.28	156.36			1454
	Total	121.61	2301.22			6169
State Total		204.12	3563.22			15029

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/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	4439	202	315	4956	323	1455	4588	4829	-184	-98	11465	2068	11522	1422	14955	49.92
2	4345	160	312	4817	320	1466	4622	4780	-155	-12	11371	1984	11371	1287	14642	49.96
3	4300	160	315	4775	339	1388	4798	4654	-260	51	11207	1708	11213	1224	14139	49.97
4	4348	165	312	4825	336	1379	4797	4621	-259	79	11240	1894	11246	1197	14331	50.15
5	4324	155	318	4797	298	1440	4628	4754	-144	68	11357	1916	11363	1208	14481	50.02
6	4397	185	310	4892	304	1491	4519	5194	-126	-12	11871	2299	12160	1327	15497	49.79
7	4349	371	311	5031	241	1655	4659	4962	-196	-54	11860	3198	13011	1445	16503	49.72
8	4364	509	311	5184	119	1687	4961	5519	-148	-83	12451	3398	13674	1594	17443	49.79
9	4400	567	311	5278	55	1699	4989	5687	-180	-147	12597	3524	13840	1797	17918	49.85
10	4410	958	310	5678	42	1726	5048	5636	-229	-100	13007	3740	14554	1992	18739	49.70
11	4395	1257	298	5950	33	1733	5179	5351	-253	-129	12964	3693	14602	2126	18783	49.71
12	4355	1274	307	5936	47	1694	5186	5434	-253	-108	13053	3756	14781	2157	18966	49.70
13	4303	590	307	5200	79	1694	5307	5519	-301	-128	12411	3884	14268	2130	18425	49.77
14	4306	458	307	5071	115	1692	5257	5601	-248	-80	12446	3570	14030	2000	18016	49.74
15	4310	427	309	5046	148	1651	5321	5829	-315	-148	12573	3244	13979	1988	17805	49.73
16	4257	439	317	5013	161	1699	5185	5509	-214	-65	12357	3284	13914	1958	17599	49.85
17	4306	289	315	4910	137	1641	4706	4567	-320	-85	11170	3767	12819	1933	16870	49.89
18	4324	291	322	4937	141	1628	4717	4506	-320	-233	10979	3784	12156	1935	16698	49.92
19	4255	331	322	4908	153	1671	4858	4651	-379	-295	11121	4500	12128	2004	17625	49.85
20	4264	332	324	4920	119	1693	4871	5294	-349	-154	11923	4395	12766	2150	18468	49.85
21	4229	413	322	4964	84	1594	4874	5213	-439	-142	11760	4209	12417	2022	17991	49.69
22	4274	364	326	4964	115	1551	4775	4938	-401	-209	11406	4037	11891	1888	17331	49.89
23	4245	224	325	4794	123	1525	4653	4793	-348	-231	11025	3581	11357	1732	16338	49.82
24	4286	157	325	4768	169	1477	4428	4802	-231	-115	11103	3051	11337	1528	15682	49.95
MUs	103.78	10.28	7.55	121.61	4.00	38.33	116.93	122.64	-6.25	-2.43	284.72	78.48	306.40	42.04	405.24	49.84

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 16/Feb/2012

Position as on 6.30 Hrs of 17/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.	17/02/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	17/02/2012
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	
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	16/02/2012	21.10	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	16/02/2012	23.14	Boiler Tube Leakage.	
Uran Unit B0	120	15/02/2012	01.47		Continued.	To attend work on 220 KV side Y-Ph stub bus.	17/02/2012
Uran Unit 7	108	15/02/2012	01.50		Continued.	Gas shortage.	17/02/2012
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	
Cent_Sect TARAPUR-4	540	16/02/2012	05.25		Continued.	Process parameter problem.	17/02/2012
Cent_Sect NTPC(V-10)	500	16/02/2012	19.46		Continued.	Boiler tube leakage.	19/02/2012

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Feb/2012

Position as on 6.30 Hrs of 17/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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). Temporry reconfigured as Tarapur-Boisar ckt-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	14/02/2012	16.06		Continued.	Over Voltage.
Kolhapur - Mapusa - I	15/02/2012	16.28	16/02/2012	15.36	Over Voltage
Parly(PG) - Wardha (PG) - I	15/02/2012	17.03		Continued.	Over Voltage
Kolhapur - Mapusa - I	16/02/2012	20.14		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tarapur - Boiser	16/02/2012	17.56	16/02/2012	18.22	Distance protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bus Coupler @ Padgha	15/02/2012	09.47		Continued.	Brekaer overhauling(Up to 20/2/12)
Bhusawal- Aurangabad	16/02/2012	08.26	16/02/2012	12.20	Attend oil leakage from R ph.CT .
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
Chandrapur MIDC-GEPL Ckt.I	15/02/2012	12.25	16/02/2012	22.00	CT replacement work.
Karad Mudsingi-II	16/02/2012	09.12		Continued.	Isolator replacement work.
Vita - Miraj	16/02/2012	12.07	16/02/2012	14.58	ANC switch replacement.
220/33 KV 50 MVA T/F - II @ Chitegaon.	16/02/2012	12.23	16/02/2012	17.53	Measurement of tan delta and R.M.Work
Amalner - Dondaicha	16/02/2012	14.20	16/02/2012	15.51	Aux.Isolator replacement.
Vita-Mhaisal	16/02/2012	15.00	16/02/2012	16.58	ANC switch replacement.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Breaker Problem(Ckt is on TBC)
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Nanded - Narsi	16/02/2012	14.44	16/02/2012	16.27	Red hot on Y ph.CT clamp.
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)
Bhusawal- Aurangabad	15/02/2012	16.27		Continued.	Over Voltage
Karad - Kolhapur - I	15/02/2012	21.16	16/02/2012	10.46	Over Voltage
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur-Warora	13/02/2012	16.58		Continued.	To Control Warora-Wardha Line Loading.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Feb/2012

Position as on 6.30 Hrs of 17/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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	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).
220/132 KV 200 MVA ICT - I @ Nanded	16/02/2012	04.00	16/02/2012	04.28	Winding temp.high.
Voltage Level : 132KV			Outage Type TRIPPED		
Amravati - Morshi	16/02/2012	06.48	16/02/2012	06.52	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Feb/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	134
Unit 6	210	146
Unit 7	210	170
	620	450
Bhusawal		
Unit 2	210	134
Unit 3	210	150
Unit 4	500	
	920	284
Parli		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	135
Unit 6	250	175
Unit 7	250	170
	1130	660
Chandrapur		
Unit 1	210	0
Unit 2	210	120
Unit 3	210	170
Unit 4	210	210
Unit 5	500	475
Unit 6	500	450
Unit 7	500	400
	2340	1825
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
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	330
	852	330
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	20
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	19
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	24
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	249
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	1100
WARDHA	405	330
Other CPPs	0	
	1005	1430
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	4882
	3455	4882

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