



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Feb/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Feb/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.675	124.675	1) Gujrat	7.372	7.372
2) Hydro	7.998	7.998	2) Madhya Pradesh	19.660	19.660
3) Gas	13.074	13.074	3) Chattisgarh	11.640	11.640
Total MSGENCO	145.747	145.747	4) Maharashtra	48.044	48.044
B) OTHERS			5) Goa	-6.333	-6.333
1) JSW JAIGAD	22.928	22.928	6) TAPS 1&2 Injection	7.809	7.809
2) WPCL	7.088	7.088	7) RGPPL Injection	24.617	24.617
3) Other CPP / IPP	7.329	7.329	8) Pench (Excess)	-0.163	-0.163
4) Wind Generation	3.694	3.694	# Total Cent. Sector	112.646	112.646
5) PENCH (MS)	0.408	0.408	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.511	-9.511
1) TPCL Thermal	18.364	18.364	G) Bilateral Power *		
2) TPCL Hydro	5.646	5.646	1) MSEDCL Bilateral	35.179	35.179
TOTAL TPCL	24.010	24.010	Include PX	-0.524	-0.524
3) REL Thermal	11.944	11.944	2) MUMBAI Bilateral	9.659	9.659
D) STATE			Include PX	-1.887	-1.887
1) Thermal (A1+C1+C3)	154.983	154.983	3) MUMBAI Schedule	9.659	9.659
2) Hydro (A2+B5+C2)	14.052	14.052	H) ENERGY CATERED (MUs)		
3) Gas (A3)	13.074	13.074	1) MSEDCL	290.329	290.329
4) Wind (B4)	3.694	3.694	2) TPCL	30.889	30.889
5) CPP (B1+B2+B3)	37.345	37.345	3) REL	15.183	15.183
TOTAL STATE	223.148	223.148	TOTAL STATE	336.401	336.401

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	5228	5314	4943
MSGENCO Hydro	591	474	163
MSGENCO Gas	546	533	561
MSGENCO Total Generation	6365	6321	5667
Central Sector Receipt	5229	4904	4120
WIND	99	203	158
CPP / IPP	1687	1720	1301
Exchange with Mumbai	-551	-651	-249
MSEDCL DEMAND MET	12829	12550	10997
Load Shedding (LS)	1927	350	0
MSEDCL DEMAND (INCL. LS)	14756	12900	10997
TPCL GENERATION	1357	1180	528
REL GENERATION	527	528	388
TPCL+REL DEMAND	2435	2359	1165
STATE DEMAND MET	15264	14909	12162
Load Management (LM)	2378	3698	1682
Total Load Relief (LS+LM)	4305	4048	1682
UNRESTRICTED STATE DEMAND	19569	18957	13844
Frequency (Hz)	49.73	49.75	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 17:03 Hrs	49.2 Hz at 09:12 Hrs	49.76	.08 % 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 01/Feb/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.06	3.06	152	91	155
Unit 6	3.63	3.63	164	132	155
Unit 7	3.81	3.81	180	130	170
Total	10.50	10.50			480
Bhusawal					
Unit 2	4.21	4.21	185	160	180
Unit 3	4.18	4.18	180	165	180
Unit 4	0.00	0.00	0	0	0
Total	8.39	8.39			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.64	4.64	203	169	195
Unit 5	3.92	3.92	175	129	175
Unit 6	0.00	0.00	0	0	0
Unit 7	4.83	4.83	247	161	200
Total	13.38	13.38			570
Chandrapur					
Unit 1	3.56	3.56	156	141	150
Unit 2	3.97	3.97	174	153	160
Unit 3	3.91	3.91	180	136	140
Unit 4	4.84	4.84	206	197	210
Unit 5	9.81	9.81	470	350	350
Unit 6	9.34	9.34	435	345	400
Unit 7	9.37	9.37	487	354	425
Total	44.80	44.80			1835
Paras					
Unit 3	5.25	5.25	243	182	225
Unit 4	5.52	5.52	253	200	225
Total	10.77	10.77			450
Khaparkheda					
Unit 1	4.44	4.44	210	165	180
Unit 2	4.18	4.18	190	160	180
Unit 3	3.79	3.79	160	152	180
Unit 4	5.05	5.05	222	190	210
Unit 5	5.04	5.04	268	149	0
Total	22.50	22.50			750
Nasik					
Unit 3	4.98	4.98	220	175	210
Unit 4	4.80	4.80	212	173	210
Unit 5	4.55	4.55	200	165	210
Total	14.33	14.33			630
Uran					
All Units	13.07	13.07	561	522	550
Total	13.07	13.07			550
PENCH (MS)					
Pench (MS)	0.41	0.41	53	0	0
Total	0.41	0.41			0
Koyna					
Stage 1-2	1.40	1.40	200	40	600
Stage 4	0.00	0.00	0	0	250
Stage 3	0.16	0.16	86	0	320
Total	1.56	1.56			1170
Kovna 12&4 Total	1.40	1.40			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	0.47	20	19	20
VTRNA	0.75	0.75	61	0	60
TILLARI	0.38	0.38	60	0	60
BHTGR/VEER	0.10	0.10	4	4	5
BHIRA T.R.	0.34	0.34	80	0	80
RNGR+BHTSA	0.36	0.36	15	15	15
BHANDARDRA	0.63	0.63	27	26	30
ELDARY	0.32	0.32	14	12	14
SMLHY PTN	1.06	1.06	52	41	11
GHATGHAR	2.04	2.04	250	0	0
Total	6.44	6.44			295
Wind					
MalharPeth	0.15	0.15			
Vankuswadi	0.24	0.24			
ATIT	0.03	0.03			
Kale	0.13	0.13			
Satara	0.73	0.73			
Shirala	0.10	0.10			
K Mahankal	0.01	0.01			
Supa	0.14	0.14			
Vita	0.36	0.36			
Dondaicha	1.04	1.04			
Sakri	0.09	0.09			
Nandurbar	0.14	0.14			
Khandke	0.32	0.32			
Khaparale	0.22	0.22			
Total	3.69	3.69			
CPP					
JSW JAIGAD	22.93	22.93	1069	691	1045
WARDHA	7.09	7.09	356	216	330
Other CPPs	7.33	7.33			
Total	37.34	37.34			1375
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	0.00	0	0	0
Trombay 6	8.72	8.72	502	155	500
Trombay 7A	2.55	2.55	128	77	120
Trombay 7B	1.53	1.53	70	55	60
Trombay 8	5.57	5.57	249	175	250
TATA Hydro	5.65	5.65	459	0	447
Total	24.01	24.01			1377
REL					
1&2	11.94	11.94	529	388	500
Total	11.94	11.94			500
Cent Sect					
Share					5218
Total					5218

MS PG CL	Thermal	124.68	124.68			5075
	Thml+Gas	137.75	137.75			5625
	Hydro	8.00	8.00			1465
	Total	145.75	145.75			7090
State Total		223.15	223.15			15560

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	5253	158	561	5972	180	1295	4528	4466	-351	146	12059	2003	12059	742	14804	49.84
2	5022	163	561	5746	166	1300	4528	4347	-351	-306	11253	1959	11253	1212	14424	49.96
3	4943	163	561	5667	158	1301	4527	4120	-350	-249	10997	1682	10997	1165	13844	49.99
4	4918	159	561	5638	154	1310	4527	4196	-350	-215	11083	1857	11083	1133	14073	49.95
5	4926	164	552	5642	158	1431	4528	4564	-351	-237	11558	1955	11631	1156	14669	49.88
6	5184	174	552	5910	173	1535	4781	4608	-165	-144	12082	2243	12366	1279	15604	49.73
7	5291	169	553	6013	182	1675	4578	4535	-118	-141	12287	3078	13182	1505	16870	49.62
8	5217	228	551	5996	347	1726	4627	4708	-205	-141	12663	3760	13915	1691	18114	49.69
9	5292	339	556	6187	206	1678	4727	4896	-276	-256	12731	3854	14039	1937	18522	49.59
10	5155	700	554	6409	102	1702	5043	4954	-439	-375	12795	4195	14508	2216	19206	49.65
11	5166	546	546	6258	85	1708	5272	5103	-552	-518	12636	4390	14668	2381	19407	49.69
12	5228	591	546	6365	99	1687	5309	5229	-592	-551	12829	4305	14756	2435	19569	49.73
13	5243	554	541	6338	123	1711	5293	5083	-577	-544	12731	4357	14729	2423	19511	49.67
14	5186	501	537	6224	81	1697	5107	5074	-392	-448	12648	3956	14310	2324	18928	49.81
15	5254	490	525	6269	67	1653	5019	5276	-451	-462	12856	3641	14356	2341	18838	49.73
16	5250	446	524	6220	80	1699	4886	5028	-446	-477	12597	3663	14241	2344	18604	49.72
17	5242	390	522	6154	113	1710	4898	4483	-461	-503	11969	3941	13522	2338	18248	49.75
18	5085	268	555	5908	145	1710	4864	4206	-436	-570	11399	3801	12322	2296	17496	49.75
19	5189	403	532	6124	165	1714	4808	4474	-553	-694	11829	4344	12529	2334	18507	49.72
20	5314	474	533	6321	203	1720	5484	4904	-594	-651	12550	4048	12900	2359	18957	49.75
21	5328	349	541	6218	281	1645	5339	4674	-442	-637	12234	3704	12239	2271	18209	49.80
22	5359	240	541	6140	162	1282	4867	4683	-464	-617	11675	3700	11676	2076	17451	49.73
23	5335	165	541	6041	123	1234	4727	4628	-383	-501	11531	3303	11532	1880	16714	49.73
24	5295	164	528	5987	141	1222	4614	4407	-362	-420	11337	2713	11338	1627	15677	49.77
MUs	124.68	8.00	13.07	145.75	3.69	37.34	116.88	112.65	-9.66	-9.51	290.33	80.45	310.15	45.46	416.25	49.76

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 01/Feb/2012

Position as on 6.30 Hrs of 02/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.	02/02/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	02/02/2012
Tata Trombay 5	500	11/01/2012	00.19		Continued.	Annual overhaul.	14/02/2012
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	02/02/2012
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	
CPP WPCL U-3	135	28/01/2012	07.48		Continued.	W/Dn,due to bottom ash problem.	
Parli Unit 6	250	31/01/2012	22.03		Continued.	BLR T/L.	03/02/2012
CPP JSW (J) U2	300	01/02/2012	21.39		Continued.	Lubricant system oil leakage.	
Koyana ST - IV 4	250	01/02/2012	22.15		Continued.	Attended Transormer oil leakage.	03/02/2012

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Feb/2012

Position as on 6.30 Hrs of 02/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli (PG) - Wardha (PG) - II	30/01/2012	18.10	01/02/2012	08.39	Stringing work of 400KV Mouda-Wardha D/C line crossing.
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). Temporary reconfigured as Tarapur-Boisar ckt-II
Kalmeshwar - Pandurna	31/01/2012	12.06		Continued.	Retrofitting of relay testing work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	30/01/2012	21.59	01/02/2012	10.25	Over Voltage.
Kolhapur - Mapusa - II	31/01/2012	21.28	01/02/2012	15.27	Over Voltage.
Wardha - Akola - I	31/01/2012	21.57		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	01/02/2012	01.26		Continued.	Over Voltage.
Kolhapur-Mapusa-II	01/02/2012	21.11		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur - Khaparkheda	01/02/2012	08.09	01/02/2012	19.23	Maintenance work.
Main Bus - I @ Solapur	01/02/2012	11.30	01/02/2012	17.53	Q.M.Work
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.
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
Kalwa - Salshet - III	24/01/2012	11.35		Continued.	Replacement of 29A and B isolator, line taken on TBC. Upto 04.02.2012
Main Bus I @ Khargar	31/01/2012	09.40	01/02/2012	18.38	Servicing and alignment of isolator.
Mudshingi - Karad - IV	31/01/2012	10.38	01/02/2012	19.30	Insulator replacement work.
Main Bus-II at Koradi	31/01/2012	12.09		Continued.	Isolator replacement work.
Padgha-Temghar	01/02/2012	09.29	01/02/2012	17.23	Attend hot spot on C.TL
Dhule - Amalner	01/02/2012	09.46	01/02/2012	18.33	For stringing of 220KV Dhule-C'gaon reorientation line from old S/Y to New.
220/132KV 100 MVA ICT-I @ Kanhan	01/02/2012	12.02	01/02/2012	14.48	Q.M.Work
Karad-Pophali	01/02/2012	13.30	01/02/2012	17.35	Isolator replacement.
220/66KV 50 MVA ICT- I @ Wardha.	01/02/2012	13.54	01/02/2012	17.47	Measurement of tan delta.
220/6.6KV, 40MVA Stn..T/F-II at Korady	01/02/2012	16.35		Continued.	Replacement of 29B isolator.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Main bkr.maint.work.
Butibori-MIDC Khapri	01/02/2012	10.43	01/02/2012	15.47	For providing repair sleeves on B ph.conductor.
Ajgaon-Bramhapuri	01/02/2012	10.55	01/02/2012	18.30	Errection of post insulator.
Jangamwadi - Kandhar	01/02/2012	10.58		Continued.	Replacement of old SF6 Ckt. breaker.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Feb/2012

Position as on 6.30 Hrs of 02/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran 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	31/01/2012	17.42	01/02/2012	10.25	Over Voltage.
Karad - Kolhapur - II	31/01/2012	21.10		Continued.	Over Voltage.
Bhusawal- Aurangabad	01/02/2012	17.40		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	29/01/2012	04.56		Continued.	To control Wardha-Warora Hinganghat line loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buccolz Alarm Persist.
Lonikand- Koyna Stage IV	01/02/2012	16.07	01/02/2012	16.15	Control D.C. fuse blown.
400/220 KV 315 MVA ICT-II @ Kharghar	01/02/2012	17.38	01/02/2012	17.55	Maloperation.
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).

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Feb/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	130
Unit 7	210	160
	620	420
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	185
Unit 5	210	170
Unit 6	250	0
Unit 7	250	225
	1130	580
Chandrapur		
Unit 1	210	160
Unit 2	210	165
Unit 3	210	160
Unit 4	210	210
Unit 5	500	410
Unit 6	500	410
Unit 7	500	400
	2340	1915
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	190
Unit 2	210	180
Unit 3	210	180
Unit 4	210	210
Unit 5	500	
	1340	760
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	210
	630	630
Uran		
All Units	852	510
	852	510
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	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	27
ELDARY	23	14
SMLHY PTN	12	10
GHATGHAR	250	0
	611	290
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	825
WARDHA	405	330
Other CPPs	0	
	1005	1155
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	4925
	3455	4925

	17900	7 of 7	15092
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