



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Feb/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Feb/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	135.081	1517.529	1) Gujrat	4.379	64.332
2) Hydro	8.879	114.842	2) Madhya Pradesh	17.278	228.203
3) Gas	10.840	143.978	3) Chattisgarh	10.860	146.760
Total MSGENCO	154.800	1776.349	4) Maharashtra	45.993	552.938
B) OTHERS			5) Goa	-6.330	-72.945
1) JSW JAIGAD	25.337	273.529	6) TAPS 1&2 Injection	7.754	93.668
2) WPCL	9.189	100.117	7) RGPPL Injection	21.299	288.679
3) Other CPP / IPP	7.190	85.910	8) Pench (Excess)	-0.341	-4.217
4) Wind Generation	3.402	52.570	# Total Cent. Sector	100.892	1297.418
5) PENCH (MS)	0.341	4.462	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.227	-118.948
1) TPCL Thermal	17.978	192.114	G) Bilateral Power *		
2) TPCL Hydro	0.000	63.454	1) MSEDCL Bilateral	36.380	370.584
TOTAL TPCL	17.978	255.568	Include PX	0.000	-0.371
3) REL Thermal	12.321	149.739	2) MUMBAI Bilateral	6.234	97.235
D) STATE			Include PX	-4.123	-35.627
1) Thermal (A1+C1+C3)	165.380	1859.382	3) MUMBAI Schedule	6.234	120.999
2) Hydro (A2+B5+C2)	9.220	182.758	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.840	143.978	1) MSEDCL	293.924	3471.407
4) Wind (B4)	3.402	52.570	2) TPCL	24.813	350.080
5) CPP (B1+B2+B3)	41.716	459.556	3) REL	12.710	174.667
TOTAL STATE	230.558	2698.244	TOTAL STATE	331.447	3996.154

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5727	5623	5463
MSGENCO Hydro	802	309	137
MSGENCO Gas	446	447	460
MSGENCO Total Generation	6975	6379	6060
Central Sector Receipt	4850	4688	3683
WIND	47	191	135
CPP / IPP	1897	1777	1578
Exchange with Mumbai	-454	-425	-266
MSEDCL DEMAND MET	13342	12663	11190
Load Shedding (LS)	1744	0	0
MSEDCL DEMAND (INCL. LS)	15086	12663	11190
TPCL GENERATION	788	933	490
REL GENERATION	527	528	457
TPCL+REL DEMAND	1769	1886	1213
STATE DEMAND MET	15111	14549	12403
Load Management (LM)	2112	3506	1538
Total Load Relief (LS+LM)	3856	3506	1538
UNRESTRICTED STATE DEMAND	18967	18055	13941
Frequency (Hz)	49.78	49.96	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.44 Hz at 18.03 Hrs	49.47 Hz at 10.13 Hrs	49.91	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 12/Feb/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.52	38.08	157	138	143
Unit 6	4.08	42.22	195	138	182
Unit 7	4.53	47.25	205	165	198
Total	12.14	127.55			523
Bhusawal					
Unit 2	4.12	50.88	200	150	180
Unit 3	4.20	50.68	185	165	180
Unit 4	0.00	0.00	0	0	
Total	8.32	101.55			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.56	55.39	200	183	190
Unit 5	3.69	46.10	169	120	160
Unit 6	4.67	41.48	230	177	175
Unit 7	4.64	62.50	232	176	195
Total	17.56	205.47			720
Chandrapur					
Unit 1	0.00	36.91	0	0	0
Unit 2	3.59	47.29	179	0	160
Unit 3	4.08	49.42	190	155	185
Unit 4	4.99	58.34	210	200	210
Unit 5	11.32	131.82	480	450	475
Unit 6	11.16	122.52	485	440	450
Unit 7	10.79	118.07	480	425	470
Total	45.94	564.36			1950
Paras					
Unit 3	6.01	65.70	255	246	250
Unit 4	6.07	65.18	265	237	250
Total	12.08	130.89			500
Khaparkheda					
Unit 1	5.11	50.12	215	210	210
Unit 2	4.41	51.50	195	157	180
Unit 3	4.33	52.12	184	174	180
Unit 4	5.26	62.54	223	206	210
Unit 5	10.42	32.97	471	375	
Total	29.54	249.26			780
Nasik					
Unit 3	4.78	59.73	215	175	210
Unit 4	4.72	45.74	210	172	210
Unit 5	0.00	32.97	0	0	0
Total	9.51	138.45			420
Uran					
All Units	10.84	143.98	500	444	450
Total	10.84	143.98			450
PENCH (MS)					
Pench (MS)	0.34	4.46	53	0	
Total	0.34	4.46			
Koyna					
Stage 1-2	2.68	23.98	410	40	600
Stage 4	0.41	10.69	250	0	250
Stage 3	0.66	8.12	152	0	320
Total	3.76	42.78			1170
Kovna 12&4 Total	3.10	34.67			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.46	3.41	20	19	19
VTRNA	0.93	9.54	61	0	60
TILLARI	0.35	4.35	60	0	61
BHTGR/VEER	0.46	1.84	19	19	5
BHIRA T.R.	0.22	4.08	41	0	72
RNGR+BHTSA	0.37	4.16	16	15	14
BHANDARDRA	0.17	7.97	26	0	32
ELDARY	0.00	2.55	0	0	0
SMLHY PTN	0.84	11.78	44	32	11
GHATGHAR	1.32	22.38	250	0	0
Total	5.12	72.06			274
Wind					
MalharPeth	0.10	2.43			
Vankuswadi	0.20	2.95			
ATIT	0.03	1.34			
Kale	0.07	1.15			
Satara	0.29	5.70			
Shirala	0.10	1.42			
K Mahankal	0.43	2.46			
Supa	0.04	1.39			
Vita	0.52	6.99			
Dondaicha	1.13	17.91			
Sakri	0.09	2.09			
Nandurbar	0.11	1.66			
Khandke	0.19	3.06			
Khaparale	0.11	2.02			
Total	3.40	52.57			
CPP					
JSW JAIGAD	25.34	273.53	1150	887	1045
WARDHA	9.19	100.12	436	329	430
Other CPPs	7.19	85.91			
Total	41.72	459.56			1475
Tata					
Trombay 4	0.34	0.65	38	7	0
Trombay 5	0.00	0.00	0	0	0
Trombay 6	8.02	70.52	496	156	500
Trombay 7A	2.57	34.07	130	89	120
Trombay 7B	1.51	19.17	70	58	60
Trombay 8	5.54	67.70	249	175	250
TATA Hydro	0.00	63.45	0	0	447
Total	17.98	255.57			1377
REL					
1&2	12.32	149.74	529	454	500
Total	12.32	149.74			500
Cent Sect					
Share					4900
Total					4900

MS PG CL	Thermal	135.08	1517.53			5253
	Thml+Gas	145.92	1661.51			5703
	Hydro	8.88	114.84			1444
	Total	154.80	1776.35			7147
State Total		230.56	2698.24			15399

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	5280	175	460	5915	70	1504	4147	4150	-210	-439	11200	1936	11200	1402	14538	49.90
2	5348	137	460	5945	99	1574	4081	3792	-158	-324	11086	1885	11086	1272	14243	49.88
3	5463	137	460	6060	135	1578	4115	3683	-174	-266	11190	1538	11190	1213	13941	50.10
4	5504	147	453	6104	147	1568	4115	3643	-169	-232	11230	1772	11230	1179	14181	50.04
5	5526	137	453	6116	137	1575	4119	3715	-164	-227	11316	1789	11316	1178	14283	49.89
6	5698	137	453	6288	126	1723	4320	3978	-110	-147	11968	1872	11968	1263	15103	49.85
7	5774	183	451	6408	101	1859	4421	4255	-168	-157	12466	2129	12667	1343	15938	49.85
8	5843	214	451	6508	79	1825	4445	4755	-226	-128	13039	3347	14118	1407	17793	49.87
9	5778	429	451	6658	80	1885	4487	4505	-256	-256	12872	3530	14163	1548	17950	49.78
10	5791	921	447	7159	55	1885	4492	4691	-273	-423	13367	3653	14844	1714	18734	49.71
11	5727	802	446	6975	47	1897	4610	4850	-380	-454	13342	3856	15086	1769	18967	49.78
12	5702	842	445	6989	81	1890	4643	4639	-401	-354	13272	3847	14995	1772	18891	49.70
13	5702	481	446	6629	109	1796	4633	4659	-390	-336	12882	3845	14602	1778	18505	49.76
14	5706	745	446	6897	108	1825	4572	4493	-257	-274	13074	3344	14378	1708	18126	49.88
15	5683	912	444	7039	109	1787	4486	4324	-173	-197	13088	3022	14215	1632	17742	50.01
16	5665	553	446	6664	120	1847	4441	4643	-180	-171	13125	2805	14140	1601	17531	49.97
17	5635	237	446	6318	120	1792	4438	4232	-194	-158	12304	2550	12661	1585	16439	50.11
18	5598	203	445	6246	111	1791	4421	3701	-210	-179	11670	2663	11670	1608	15941	50.07
19	5606	301	447	6354	154	1787	4588	3990	-305	-269	12064	3467	12064	1715	17246	49.96
20	5623	309	447	6379	191	1777	4876	4688	-449	-425	12663	3506	12663	1886	18055	49.96
21	5603	286	447	6336	292	1696	4910	4165	-439	-425	12117	3489	12117	1876	17482	49.96
22	5629	204	447	6280	308	1663	4413	3766	-380	-490	11552	3471	11552	1833	16856	49.88
23	5599	193	500	6292	305	1598	4267	3959	-332	-501	11663	3334	11663	1713	16710	49.99
24	5598	194	449	6241	318	1594	4090	3613	-237	-395	11371	2757	11371	1531	15659	50.00
MUs	135.08	8.88	10.84	154.80	3.40	41.72	106.13	100.89	-6.23	-7.23	293.92	69.41	306.96	37.53	400.85	49.91

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 12/Feb/2012

Position as on 6.30 Hrs of 13/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
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	29/02/2012
Dabhol 3B	230	04/02/2012	23.43		Continued.	Gas Shortage	
Nasik Unit 5	210	08/02/2012	06.05		Continued.	Vibration problem.	14/02/2012
Dabhol 1A	230	09/02/2012	14.51		Continued.	Gas Shortage	
Cent_Sect NTPC(V-10)	500	10/02/2012	05.38		Continued.	Boiler Tube Leakage	
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	
Chandrapur Unit 2	210	11/02/2012	20.04	12/02/2012	01.26	High Furnace Pressure	
Dabhol 1X	290	11/02/2012	21.51		Continued.	Gas Shortage	
Dabhol 1B	230	11/02/2012	21.51		Continued.	Gas Shortage	
CPP WPCL U-4	135	12/02/2012	12.33	12/02/2012	15.08	Turbine Tripped.	
Bhusawal Unit 3	210	13/02/2012	00.23		Continued.	C V S M Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Feb/2012

Position as on 6.30 Hrs of 13/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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). Temprrory reconfigured as Tarapur-Boisar ckt-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule - S'Sarovar- II	08/02/2012	23.18	13/02/2012	06:37	Over Voltage.
Akola - Wardha - I	11/02/2012	17.31	12/02/2012	10.08	Over Voltage
Kolhapur - Mapusa - II	11/02/2012	18.30		Continued.	Over Voltage
Wardha - Akola - I	12/02/2012	16.38		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	12/02/2012	23.03		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad - Newkoyna - I	10/02/2012	09.33		Continued.	For commissioning and erection of 400KV LA at Karad
Tie Breaker Bay @ Jejuri	12/02/2012	09.55		Continued.	402 Tie C B Overhauling & Testing 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.(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
220/6.6KV,40MVA Stn..T/F-II at Korady	01/02/2012	16.35		Continued.	Replacement of 29B isolator.
220/100KV 200 MVA ICT III at Borivali	12/02/2012	07.30	12/02/2012	15.00	Attending C T Oil Leakage.
Uran - Apta (HOC)	12/02/2012	10.35	12/02/2012	16.55	Insulator Replacement Work @ Railway Crossing.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Breaker Problem(Ckt is on TBC)
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	11/02/2012	16.32	12/02/2012	06.38	Over Voltage
Karad - Kolhapur - I	11/02/2012	16.55	12/02/2012	08.55	Over Voltage
Deepnagar-Aurangabad-I	11/02/2012	22.20		Continued.	Over Voltage
Bhusawal- Aurangabad	12/02/2012	16.46	13/02/2012	06.20	Over Voltage.
Karad - Kolhapur - II	12/02/2012	16.55		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.	Buchholz Alarm Persist.
Dabhol-Nagothane - II	12/02/2012	14.19	12/02/2012	15.01	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Feb/2012

Position as on 6.30 Hrs of 13/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
Chinchwad - Chakan	13/02/2012	04.41		Continued.	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Partur - Kanhaiya nagar	13/02/2012	03:15	13/02/2012	03:45	Over loading.
Jalna - Jalna MIDC	13/02/2012	03;15		Continued.	Y ph CT Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Feb/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	142
Unit 6	210	136
Unit 7	210	170
	620	448
Bhusawal		
Unit 2	210	180
Unit 3	210	0
Unit 4	500	
	920	180
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	173
Unit 6	250	185
Unit 7	250	190
	1130	703
Chandrapur		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	175
Unit 4	210	210
Unit 5	500	475
Unit 6	500	450
Unit 7	500	475
	2340	1945
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	180
Unit 4	210	210
Unit 5	500	
	1340	780
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	0
	630	420
Uran		
All Units	852	450
	852	450
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	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	36
GHATGHAR	250	0
	611	251
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	430
Other CPPs	0	
	1005	1475
Tata		
Trombay 4	150	0
Trombay 5	500	400
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1777
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5071
	3455	5071

	17900	7 of 7	15670
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