



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Feb/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Feb/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.853	2451.647	1) Gujrat	4.413	117.882
2) Hydro	6.983	183.416	2) Madhya Pradesh	23.230	405.701
3) Gas	12.585	225.583	3) Chattisgarh	14.240	251.440
Total MSGENCO	142.421	2860.646	4) Maharashtra	51.821	958.892
B) OTHERS			5) Goa	-6.665	-124.373
1) JSW JAIGAD	26.187	478.182	6) TAPS 1&2 Injection	7.733	155.692
2) WPCL	7.170	159.742	7) RGPPL Injection	24.213	478.543
3) Other CPP / IPP	6.739	142.704	8) Pench (Excess)	-0.646	-8.595
4) Wind Generation	2.393	83.877	# Total Cent. Sector	118.339	2235.182
5) PENCH (MS)	0.646	8.840	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.080	-163.169
1) TPCL Thermal	24.389	384.634	G) Bilateral Power *		
2) TPCL Hydro	2.058	86.036	1) MSEDCL Bilateral	36.587	680.793
TOTAL TPCL	26.447	470.670	Include PX	1.294	22.176
3) REL Thermal	12.406	248.256	2) MUMBAI Bilateral	7.810	155.337
D) STATE			Include PX	-2.576	-57.906
1) Thermal (A1+C1+C3)	159.648	3084.537	3) MUMBAI Schedule	7.810	179.101
2) Hydro (A2+B5+C2)	9.687	278.292	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.585	225.583	1) MSEDCL	295.815	5806.004
4) Wind (B4)	2.393	83.877	2) TPCL	31.429	589.341
5) CPP (B1+B2+B3)	40.096	780.628	3) REL	15.502	291.490
TOTAL STATE	224.409	4452.917	TOTAL STATE	342.746	6686.835

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5177	5291	4732
MSGENCO Hydro	681	378	124
MSGENCO Gas	467	579	491
MSGENCO Total Generation	6325	6248	5347
Central Sector Receipt	5506	5110	4660
WIND	74	72	67
CPP / IPP	1797	1743	1419
Exchange with Mumbai	-536	-422	-15
MSEDCL DEMAND MET	13217	12798	11478
Load Shedding (LS)	1748	412	0
MSEDCL DEMAND (INCL. LS)	14965	13210	11478
TPCL GENERATION	1374	1375	812
REL GENERATION	528	527	458
TPCL+REL DEMAND	2438	2324	1285
STATE DEMAND MET	15655	15122	12763
Load Management (LM)	2181	3562	1818
Total Load Relief (LS+LM)	3929	3974	1818
UNRESTRICTED STATE DEMAND	19584	19096	14581
Frequency (Hz)	49.77	49.95	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 17.07 Hrs	49.25 Hz at 06.37 Hrs	49.87	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 20/Feb/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	59.05	0	0	0
Unit 6	3.54	69.63	170	115	165
Unit 7	3.84	78.94	175	130	165
Total	7.38	207.62			330
Bhusawal					
Unit 2	3.78	79.59	170	135	170
Unit 3	3.38	65.48	175	0	0
Unit 4		0.00	0	0	
Total	7.17	145.07			170
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.04	88.89	172	163	160
Unit 5	3.65	75.55	163	140	160
Unit 6	4.18	76.87	190	167	180
Unit 7	4.15	97.25	185	164	180
Total	16.02	338.57			680
Chandrapur					
Unit 1	3.75	49.90	161	150	160
Unit 2	3.96	79.42	171	159	170
Unit 3	4.05	81.75	180	153	175
Unit 4	4.89	97.39	210	197	210
Unit 5	11.07	219.97	475	400	475
Unit 6	10.96	208.15	473	400	450
Unit 7	9.55	194.25	470	27	450
Total	48.23	930.82			2090
Paras					
Unit 3	5.69	94.74	253	184	200
Unit 4	5.72	106.98	255	178	230
Total	11.42	201.73			430
Khaparkheda					
Unit 1	4.47	89.12	210	160	210
Unit 2	4.41	73.58	190	168	180
Unit 3	4.33	87.92	203	166	210
Unit 4	4.98	103.40	224	183	210
Unit 5	0.00	41.94	0	0	
Total	18.19	395.95			810
Nasik					
Unit 3	5.02	99.40	220	175	210
Unit 4	4.78	83.89	210	178	210
Unit 5	4.64	48.60	206	172	210
Total	14.44	231.90			630
Uran					
All Units	12.58	225.58	582	459	500
Total	12.58	225.58			500
PENCH (MS)					
Pench (MS)	0.65	8.84	51	0	
Total	0.65	8.84			
Koyna					
Stage 1-2	1.84	40.49	245	40	600
Stage 4	0.23	15.36	118	0	250
Stage 3	0.30	12.41	160	0	320
Total	2.37	68.25			1170
Kovna 12&4 Total	2.07	55.85			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.16	6.80	20	0	20
VTRNA	0.65	15.22	60	0	60
TILLARI	0.37	7.02	60	0	60
BHTGR/VEER	0.05	4.14	2	1	4
BHIRA T.R.	0.08	5.23	41	0	40
RNGR+BHTSA	0.34	7.10	15	13	17
BHANDARDRA	0.00	10.55	0	0	0
ELDARY	0.32	2.91	14	12	0
SMLHY PTN	0.92	19.33	47	35	45
GHATGHAR	1.74	36.86	250	0	0
Total	4.61	115.16			246
Wind					
MalharPeth	0.11	3.89			
Vankuswadi	0.28	5.33			
ATIT	0.03	1.76			
Kale	0.11	2.04			
Satara	0.23	10.52			
Shirala	0.13	2.34			
K Mahankal	0.59	4.05			
Supa	0.10	2.28			
Vita	0.42	10.32			
Dondaicha	0.11	27.41			
Sakri	0.02	3.41			
Nandurbar	0.01	2.60			
Khandke	0.21	5.08			
Khaparale	0.06	2.85			
Total	2.39	83.88			
CPP					
JSW JAIGAD	26.19	478.18	1173	955	1060
WARDHA	7.17	159.74	332	220	330
Other CPPs	6.74	142.70			
Total	40.10	780.63			1390
Tata					
Trombay 4	0.00	1.57	0	0	0
Trombay 5	9.36	70.78	497	281	500
Trombay 6	5.07	112.22	283	155	500
Trombay 7A	2.92	56.93	128	115	120
Trombay 7B	1.63	31.98	69	66	60
Trombay 8	5.41	111.16	251	176	250
TATA Hydro	2.06	86.04	249	0	447
Total	26.45	470.67			1877
REL					
1&2	12.41	248.26	529	458	500
Total	12.41	248.26			500
Cent Sect					
Share					5073
Total					5073

MS PG CL	Thermal	122.85	2451.65			5140
	Thml+Gas	135.44	2677.23			5640
	Hydro	6.98	183.42			1416
	Total	142.42	2860.65			7056
State Total		224.41	4452.92			15896

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	4923	120	492	5535	47	1587	4814	4801	-258	-208	11787	2093	11850	1540	15420	49.95
2	5046	120	493	5659	49	1574	4757	4487	-174	-63	11729	1983	11729	1403	15115	49.92
3	4852	137	492	5481	57	1437	4636	4683	-160	-38	11620	1656	11620	1313	14589	50.02
4	4732	124	491	5347	67	1419	4645	4660	-266	-15	11478	1818	11478	1285	14581	49.93
5	4741	124	488	5353	100	1443	4647	4826	-273	-26	11696	1836	11706	1299	14831	49.81
6	5005	124	490	5619	157	1508	4654	4877	-152	-110	12051	2297	12425	1409	15757	49.91
7	5108	329	488	5925	209	1637	4735	4844	-205	-179	12461	2846	13314	1532	16839	49.72
8	5219	265	489	5973	214	1761	4838	4962	-157	-201	12736	3521	14092	1677	17934	49.64
9	5183	429	489	6101	164	1780	4950	5058	-322	-365	12761	3777	14275	1914	18452	49.67
10	5222	583	473	6278	166	1781	5036	5133	-391	-390	12991	3997	14782	2173	19161	49.63
11	5215	500	459	6174	125	1793	5065	5299	-433	-439	13002	4022	14860	2347	19371	49.74
12	5177	681	467	6325	74	1797	5128	5506	-449	-536	13217	3929	14965	2438	19584	49.77
13	5159	575	460	6194	49	1773	5233	5425	-427	-524	12967	4072	14833	2393	19432	49.84
14	5122	459	545	6126	61	1775	5279	5598	-358	-526	13085	3755	14680	2295	19135	49.91
15	5171	518	574	6263	72	1776	5058	5253	-358	-502	12912	3444	14348	2304	18660	49.82
16	5151	371	574	6096	90	1758	5024	5443	-369	-466	12961	3419	14504	2313	18693	49.87
17	5148	110	575	5833	82	1760	4835	4873	-374	-433	12115	3822	13636	2264	18201	50.03
18	5212	112	578	5902	56	1752	4522	4044	-369	-433	11321	3591	12159	2226	17138	50.08
19	5234	201	579	6014	50	1754	4905	4350	-338	-366	11835	4042	12371	2214	18091	49.86
20	5291	378	579	6248	72	1743	5048	5110	-369	-422	12798	3974	13210	2324	19096	49.95
21	5289	258	575	6122	70	1735	5114	4954	-439	-406	12525	3854	12842	2255	18634	49.98
22	5255	178	575	6008	104	1599	5141	4684	-439	-436	12010	3735	12235	2131	17876	50.02
23	5236	171	578	5985	124	1589	5054	4653	-412	-516	11860	3266	11904	2026	17152	49.88
24	5162	116	582	5860	134	1565	4850	4813	-317	-480	11894	2792	11894	1858	16544	49.85
MUs	122.85	6.98	12.58	142.42	2.39	40.10	117.97	118.34	-7.81	-8.08	295.81	77.54	315.71	46.93	420.29	49.87

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 20/Feb/2012

Position as on 6.30 Hrs of 21/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.	25/02/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	25/02/2012
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	
Uran Unit 8	108	11/02/2012	12.02		Continued.	Gas Shortage	
Khaparkheda Unit 5	500	13/02/2012	22.18		Continued.	Low Vacuum.	
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdran.	
Koradi Unit 5	200	19/02/2012	12.20		Continued.	I D Fan Problem.	
Chandrapur Unit 7	500	19/02/2012	18.40	20/02/2012	00.43	Loss of Fuel.	
Bhusawal Unit 3	210	20/02/2012	04.04	20/02/2012	06.28	Feed Storage Tank Level Low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Feb/2012

Position as on 6.30 Hrs of 21/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). Temporary 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.
Parly(PG) - Wardha (PG) - I	15/02/2012	17.03		Continued.	Over Voltage
Kolhapur-Mapusa-II	19/02/2012	01.13	20/02/2012	10.58	Over Voltage.
Kolhapur - Mapusa - I	20/02/2012	18.32		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Boisar (PGCIL)	20/02/2012	12.16		Continued.	Outage on 220 KV Nalasopara-Padgha line.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bus Coupler @ Padgha	15/02/2012	09.47		Continued.	Breaker overhauling(Up to 20/2/12)
400/220 KV315 MVA ICT-I @ BBLR	18/02/2012	08.40		Continued.	Oil Filtration Work.
400/220 KV 315 MVA ICT-II @ Chandrapur	20/02/2012	08.44	20/02/2012	19.06	Oil leakage.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
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 strengthening work
Khargar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthening work
220/132KV,200MVA T/F At Ogalewadi	17/02/2012	11.34	20/02/2012	10.30	Oil Filtration work (Up to 20/2/12)
Kharghar-TSS	18/02/2012	08.52	18/02/2012	Continued.	Temporary Reconfigured as Uran-TSS @ 20.30 DT 18.02.2012.
Chandrapur-Gadchandur	19/02/2012	06.12	20/02/2012	04.48	Erection of Inline Tower for LILO Work for Proposed 220KV Tadali S/S.
Chandrapur - Chandrapur MIDC	19/02/2012	06.22	20/02/2012	19.47	Erection of Inline Tower for LILO Work for Proposed 220KV Tadali S/S.
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
Kalwa - Khargar	20/02/2012	10.43	20/02/2012	12.45	Mumbai system strengthening work.
220/132 KV 100 MVA T/F - I @ Ogalewadi	20/02/2012	11.50		Continued.	Replacement of CTR valve and attending oil leakage.
Padgha - Nalasopara	20/02/2012	12.15	20/02/2012	23.54	C.T.Replacement.
Pophali - KDPH	20/02/2012	14.05	20/02/2012	18.10	RTU,DC SCADA LBB interfacing protection.
KDPH-Wankuswadi	20/02/2012	14.10	20/02/2012	18.05	RTU,DC SCADA LBB interfacing protection.
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		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Bhusawal- Aurangabad	19/02/2012	17.37	20/02/2012	07.30	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Feb/2012

Position as on 6.30 Hrs of 21/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - I	19/02/2012	21.53		Continued.	Over Voltage.
Bhusawal- Aurangabad	20/02/2012	16.49		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur-Warora	13/02/2012	16.58		Continued.	To Control Warora-Wardha Line Loading.
Babaleshwar - Alephata	18/02/2012	08.28	20/02/2012	03.15	To Avail Outage on 315 MVA ICT-I.
Kalwa-Temghar	19/02/2012	23.03		Continued.	To Control 100KV Kalwa-Kalyan-Salsette L/L.
Babaleshwar - Ranjangaon	20/02/2012	03.18		Continued.	To control BBLR ICT loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persist.
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).
Inter Connector @ Kalwa	19/02/2012	22.16	20/02/2012	00.19	Burshing of Y Ph.C T (220KV Kalwa-I S/S Side) Charged Through TBC.
Lonikand-Theur - I	20/02/2012	01.55	20/02/2012	22.01	R Ph. C T Burst, Bus Bar Protection Operated @ Theur End.
Lonikand -Theur - II	20/02/2012	01.55	20/02/2012	03.03	Bus Bar Protection Operated.
Theur-Chinchwad	20/02/2012	01.55	20/02/2012	02.55	Bus Bar Protection Operated.
Phursungi - Theur	20/02/2012	01.55	20/02/2012	03.22	Bus Bar Protection Operated.
Theur - Magarpatta	20/02/2012	01.55	20/02/2012	03.22	Bus Bar Protection Operated.
220/132,200 MVA Tr.-I @ Theur.	20/02/2012	01.55	20/02/2012	03.05	Bus Bar Protection Operated.
220/22 KV 50 MVA T/F - III @ Theur	20/02/2012	01.55	20/02/2012	03.22	Bus Bar Protection Operated.
220/22 KV 50 MVA T/F - IV @ Theur	20/02/2012	01.55	20/02/2012	02.55	Bus Bar Protection Operated.
220/132 KV 200 MVA T/F - II @ Theur	20/02/2012	01.55	20/02/2012	03.05	Bus Bar Protection Operated.
Lonikand-Kathapur	20/02/2012	03.05	20/02/2012	18.45	R Ph. C T Burst, Bus Bar Protection Operated @ Kathapur.
Alephata-Kathapur	20/02/2012	03.05	20/02/2012	03.15	Bus Bar Protection Operated.
Babaleshwar - Nagar - I	20/02/2012	17.50	20/02/2012	17.58	Load trimming scheme relay operated.
Babaleshwar - Nagar - II	20/02/2012	17.50	20/02/2012	17.58	Load trimming scheme relay operated.
Karad-Pophali	21/02/2012	05.55		Continued.	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Feb/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	170
	620	315
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	
	920	320
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	155
Unit 6	250	175
Unit 7	250	175
	1130	675
Chandrapur		
Unit 1	210	160
Unit 2	210	165
Unit 3	210	170
Unit 4	210	210
Unit 5	500	475
Unit 6	500	450
Unit 7	500	450
	2340	2080
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	810
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	210
	630	630
Uran		
All Units	852	600
	852	600
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	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	25
GHATGHAR	250	0
	611	220
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	1060
WARDHA	405	330
Other CPPs	0	
	1005	1390
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	5202
	3455	5202