



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Feb/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Feb/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.650	2328.794	1) Gujrat	4.106	113.469
2) Hydro	5.897	176.433	2) Madhya Pradesh	23.675	382.471
3) Gas	11.458	212.998	3) Chattisgarh	13.700	237.200
Total MSGENCO	140.005	2718.225	4) Maharashtra	53.100	907.071
B) OTHERS			5) Goa	-5.990	-117.708
1) JSW JAIGAD	25.537	451.995	6) TAPS 1&2 Injection	7.736	147.959
2) WPCL	7.201	152.572	7) RGPPL Injection	23.827	454.330
3) Other CPP / IPP	6.851	135.965	8) Pench (Excess)	-0.678	-7.949
4) Wind Generation	2.385	81.484	# Total Cent. Sector	119.476	2116.843
5) PENCH (MS)	0.678	8.194	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-5.167	-155.089
1) TPCL Thermal	22.178	360.245	G) Bilateral Power *		
2) TPCL Hydro	0.018	83.978	1) MSEDCL Bilateral	38.490	644.206
TOTAL TPCL	22.196	444.223	Include PX	2.091	20.882
3) REL Thermal	12.167	235.850	2) MUMBAI Bilateral	7.153	147.527
D) STATE			Include PX	-3.104	-55.329
1) Thermal (A1+C1+C3)	156.995	2924.889	3) MUMBAI Schedule	7.153	171.291
2) Hydro (A2+B5+C2)	6.593	268.605	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.458	212.998	1) MSEDCL	296.966	5510.189
4) Wind (B4)	2.385	81.484	2) TPCL	26.369	557.912
5) CPP (B1+B2+B3)	39.589	740.532	3) REL	13.159	275.988
TOTAL STATE	217.020	4228.508	TOTAL STATE	336.494	6344.089

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	5311	4758	4928
MSGENCO Hydro	513	264	119
MSGENCO Gas	463	451	507
MSGENCO Total Generation	6287	5473	5554
Central Sector Receipt	5362	5492	4448
WIND	87	107	150
CPP / IPP	1767	1747	1499
Exchange with Mumbai	-289	-449	-9
MSEDCL DEMAND MET	13266	12424	11652
Load Shedding (LS)	1789	416	0
MSEDCL DEMAND (INCL. LS)	15055	12840	11652
TPCL GENERATION	1077	1063	814
REL GENERATION	528	528	458
TPCL+REL DEMAND	1894	2040	1281
STATE DEMAND MET	15160	14464	12933
Load Management (LM)	2055	3481	1606
Total Load Relief (LS+LM)	3844	3897	1606
UNRESTRICTED STATE DEMAND	19004	18361	14539
Frequency (Hz)	49.71	49.81	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.48 Hz at 17.03 Hrs	49.37 Hz at 18.42 Hrs	49.88	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 19/Feb/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	1.63	59.05	140	0	137
Unit 6	3.50	66.09	160	137	146
Unit 7	3.90	75.10	180	145	170
Total	9.03	200.24			453
Bhusawal					
Unit 2	3.80	75.80	175	150	160
Unit 3	3.90	62.10	180	135	180
Unit 4	0.00	0.00	0	0	0
Total	7.69	137.90			340
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.89	84.85	172	143	170
Unit 5	3.59	71.91	163	140	150
Unit 6	4.23	72.69	190	162	175
Unit 7	4.10	93.10	183	163	180
Total	15.82	322.55			675
Chandrapur					
Unit 1	3.78	46.15	163	146	130
Unit 2	3.98	75.46	170	153	170
Unit 3	4.03	77.69	176	154	175
Unit 4	4.88	92.51	209	194	210
Unit 5	10.80	208.90	480	350	475
Unit 6	10.25	197.19	465	370	420
Unit 7	7.71	184.70	460	0	425
Total	45.43	882.59			2005
Paras					
Unit 3	5.95	89.05	260	207	250
Unit 4	5.92	101.26	259	204	250
Total	11.88	190.31			500
Khaparkheda					
Unit 1	4.85	84.65	215	175	210
Unit 2	4.39	69.16	189	171	180
Unit 3	4.74	83.59	215	175	210
Unit 4	5.13	98.42	223	185	210
Unit 5	0.00	41.94	0	0	0
Total	19.11	377.76			810
Nasik					
Unit 3	4.94	94.38	220	175	210
Unit 4	4.50	79.11	210	171	210
Unit 5	4.26	43.96	206	162	210
Total	13.70	217.45			630
Uran					
All Units	11.46	213.00	510	447	500
Total	11.46	213.00			500
PENCH (MS)					
Pench (MS)	0.68	8.19	54	0	
Total	0.68	8.19			
Koyna					
Stage 1-2	1.15	38.64	125	40	600
Stage 4	0.00	15.13	0	0	250
Stage 3	0.23	12.11	158	0	320
Total	1.38	65.88			1170
Kovna 12&4 Total	1.15	53.77			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	6.64	20	19	20
VTRNA	0.62	14.57	61	0	60
TILLARI	0.36	6.66	60	0	60
BHTGR/VEER	0.05	4.09	2	2	2
BHIRA T.R.	0.09	5.15	25	0	40
RNGR+BHTSA	0.41	6.76	17	17	17
BHANDARDRA	0.00	10.55	0	0	24
ELDARY	0.05	2.60	13	0	0
SMLHY PTN	0.91	18.42	45	35	10
GHATGHAR	1.56	35.12	250	0	0
Total	4.52	110.55			233
Wind					
MalharPeth	0.13	3.78			
Vankuswadi	0.21	5.05			
ATIT	0.03	1.73			
Kale	0.05	1.93			
Satara	0.26	10.29			
Shirala	0.06	2.22			
K Mahankal	0.08	3.46			
Supa	0.16	2.18			
Vita	0.24	9.91			
Dondaicha	0.61	27.31			
Sakri	0.08	3.40			
Nandurbar	0.05	2.59			
Khandke	0.26	4.87			
Khaparale	0.16	2.78			
Total	2.38	81.48			
CPP					
JSW JAIGAD	25.54	452.00	1154	930	990
WARDHA	7.20	152.57	333	218	330
Other CPPs	6.85	135.96			
Total	39.59	740.53			1320
Tata					
Trombay 4	0.00	1.57	0	0	0
Trombay 5	8.53	61.42	495	277	500
Trombay 6	3.78	107.15	182	154	500
Trombay 7A	2.96	54.00	128	118	120
Trombay 7B	1.64	30.34	69	67	60
Trombay 8	5.28	105.75	250	176	250
TATA Hydro	0.02	83.98	10	0	447
Total	22.20	444.22			1877
REL					
1&2	12.17	235.85	528	457	500
Total	12.17	235.85			500
Cent Sect					
Share					5179
Total					5179

MS PG CL	Thermal	122.65	2328.79			5413
	Thml+Gas	134.11	2541.79			5913
	Hydro	5.90	176.43			1403
	Total	140.00	2718.22			7316
State Total		217.02	4228.51			16192

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	5331	113	506	5950	149	1515	4698	4458	-226	-208	11889	2070	11945	1481	15440	49.91
2	5169	113	507	5789	143	1520	4776	4392	-194	-93	11775	1970	11775	1356	15101	49.90
3	4928	119	507	5554	150	1499	4476	4448	-189	-9	11652	1606	11652	1281	14539	49.96
4	4839	114	506	5459	117	1442	4653	4629	-370	25	11672	1734	11672	1246	14652	49.90
5	4837	114	503	5454	173	1415	4653	4697	-370	35	11774	1774	11778	1238	14786	49.93
6	5199	124	504	5827	138	1521	4585	4618	-88	20	12124	2294	12529	1265	15683	49.97
7	5376	164	505	6045	141	1685	4715	4582	-136	-48	12425	2802	13252	1362	16589	49.81
8	5353	141	510	6004	189	1712	4985	5185	-200	-138	12978	3246	14081	1511	17735	49.79
9	5377	189	497	6063	136	1725	5054	5115	-274	-211	12853	3614	14202	1628	18095	49.86
10	5386	329	477	6192	142	1713	5093	5168	-268	-207	13033	3870	14715	1735	18638	49.78
11	5382	435	461	6278	139	1777	5155	5234	-295	-206	13247	3833	15023	1825	18905	49.70
12	5311	513	463	6287	87	1767	5176	5362	-322	-289	13266	3844	15055	1894	19004	49.71
13	5198	452	458	6108	51	1718	5286	5417	-423	-281	13067	4068	15055	1852	18987	49.70
14	5172	363	447	5982	34	1712	5283	5452	-396	-256	12974	3801	14747	1782	18557	49.88
15	5158	367	454	5979	40	1718	5262	5488	-338	-222	13053	3447	14647	1735	18235	50.01
16	5172	521	460	6153	38	1717	5171	5284	-285	-186	13056	3354	14672	1681	18091	49.85
17	5170	247	462	5879	34	1717	4854	4878	-258	-196	12320	3142	13343	1689	17151	50.06
18	5228	119	449	5796	59	1715	4866	4221	-269	-183	11608	3187	12207	1685	16480	50.12
19	5062	262	452	5776	107	1724	5050	4680	-338	-291	12044	3958	12576	1799	17801	49.88
20	4758	264	451	5473	107	1747	5259	5492	-434	-449	12424	3897	12840	2040	18361	49.81
21	4777	257	454	5488	68	1679	5245	5372	-434	-429	12228	3817	12568	1987	18032	49.78
22	4800	202	455	5457	58	1642	4871	5054	-418	-473	11788	3754	12069	1939	17481	50.08
23	4860	188	484	5532	40	1608	5059	5136	-354	-482	11849	3437	12091	1826	17112	49.78
24	4807	187	486	5480	45	1601	4872	5114	-274	-390	11867	2979	12070	1693	16539	49.83
MUs	122.65	5.90	11.46	140.00	2.38	39.59	119.10	119.48	-7.15	-5.17	296.97	75.50	316.56	39.53	411.99	49.88

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 19/Feb/2012

Position as on 6.30 Hrs of 20/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		Continued.	Feed Storage Tank Level Low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Feb/2012

Position as on 6.30 Hrs of 20/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		Continued.	Over Voltage.
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.
Main Bus - I @ Kalwa	18/02/2012	09.57	19/02/2012	16.11	For Erection of Hanger Assembly & Commissioning of Isolator (29A)Vof Kharghar Bay.
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		Continued.	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		Continued.	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.
Karad-Pedambe	19/02/2012	08.05	19/02/2012	11.20	Q.M.Work.
Trombay - Tata Tie - I	19/02/2012	08.11	19/02/2012	18.19	220KV Bus Outage @ Trombay (T).
Main Bus-I at Trombay	19/02/2012	09.30	19/02/2012	18.11	Copex Job to Facilitate Erection of New for New 220KV Lines.
Trombay - Salsett - I	19/02/2012	09.40	19/02/2012	16.19	Conductor Diversion Work by Loc.62-67.
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	18/02/2012	17.00	19/02/2012	07.26	Over Voltage.
Karad - Kolhapur - II	18/02/2012	17.21	19/02/2012	09.34	Over Voltage.
Bhusawal- Aurangabad	19/02/2012	17.37		Continued.	Over Voltage.
Karad - Kolhapur - I	19/02/2012	21.53		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Feb/2012

Position as on 6.30 Hrs of 20/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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.
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).
Kalwa - Khargar	19/02/2012	22.16	19/02/2012	22.42	Distance Protection from Khargar End only.
220/100KV 200MVA ICT-I at Kalwa	19/02/2012	22.16	19/02/2012	23.12	Bus Bar Protection Operated.
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.
220/100KV 200MVA ICT-II at Kalwa	19/02/2012	22.16	19/02/2012	23.05	Bus Bar Protection Operated.
220/22 KV 50 MVA T/F - I @ Kalwa	19/02/2012	22.16	19/02/2012	22.40	Bus Bar Protection Operated.
Creak Side Bus @ Kalwa	19/02/2012	22.16	19/02/2012	22.39	Bus Bar Protection Operated.
Kalwa - Airoli - Knowledge Park.	19/02/2012	22.16	19/02/2012	22.51	Bus Bar Protection Operated @ Kalwa End only.
Lonikand-Theur - I	20/02/2012	01.55		Continued.	R Ph. C T Burst, Bus Bar Protection Operated @ Theur End.
Phursungi - Theur	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.
220/132 KV 200 MVA T/F - II @ Theur	20/02/2012	01.55	20/02/2012	03.05	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.
220/22 KV 50 MVA T/F - III @ 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.
Theur-Chinchwad	20/02/2012	01.55	20/02/2012	02.55	Bus Bar Protection Operated.
Lonikand -Theur - II	20/02/2012	01.55	20/02/2012	03.03	Bus Bar Protection Operated.
Lonikand-Kathapur	20/02/2012	03.05		Continued.	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.
Voltage Level : 132KV			Outage Type TRIPPED		
Kalmeshwar-Saoner	19/02/2012	01.05	19/02/2012	01.24	Distance Protection.
Bhusawal - Pachora	19/02/2012	13.56	19/02/2012	17.50	Distance Protection.
132/7 KV 31.5 MVA Stn T/F - II @ Bhusawal	19/02/2012	13.56	19/02/2012	14.27	Distance Protection Operated Z-I.
Supreme Industry-Pahur	19/02/2012	14.00	19/02/2012	16.20	Back up Protection Operated O/C & E/F.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Feb/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	165
Unit 7	210	165
	620	330
Bhusawal		
Unit 2	210	170
Unit 3	210	0
Unit 4	500	
	920	170
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	160
Unit 6	250	180
Unit 7	250	180
	1130	680
Chandrapur		
Unit 1	210	160
Unit 2	210	170
Unit 3	210	175
Unit 4	210	210
Unit 5	500	475
Unit 6	500	450
Unit 7	500	450
	2340	2090
Paras		
Unit 3	250	200
Unit 4	250	230
	500	430
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	500
	852	500
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	40
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	45
GHATGHAR	250	0
	611	246
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	5073
	3455	5073