



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Mar/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Mar/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	108.103	2647.976	1) Gujrat	11.558	209.008
2) Hydro	8.745	180.039	2) Madhya Pradesh	29.100	454.814
3) Gas	11.312	247.886	3) Chattisgarh	14.380	268.860
Total MSGENCO	128.160	3075.901	4) Maharashtra	55.580	1125.036
B) OTHERS			5) Goa	-7.040	-139.145
1) JSW JAIGAD	26.228	522.156	6) TAPS 1&2 Injection	7.797	153.567
2) WPCL	8.033	171.376	7) RGPPL Injection	27.109	533.371
3) Other CPP / IPP	8.445	170.803	8) Pench (Excess)	-0.237	-7.276
4) Wind Generation	4.186	140.233	# Total Cent. Sector	138.247	2598.235
5) PENCH (MS)	0.237	9.000	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.507	-148.192
1) TPCL Thermal	27.766	566.473	G) Bilateral Power *		
2) TPCL Hydro	4.329	69.052	1) MSEDCL Bilateral	38.994	868.289
TOTAL TPCL	32.095	635.525	Include PX	0.000	12.109
3) REL Thermal	12.647	273.883	2) MUMBAI Bilateral	11.297	207.140
D) STATE			Include PX	0.565	-26.109
1) Thermal (A1+C1+C3)	148.516	3488.332	3) MUMBAI Schedule	11.297	207.701
2) Hydro (A2+B5+C2)	13.311	258.091	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.312	247.886	1) MSEDCL	305.029	6539.512
4) Wind (B4)	4.186	140.233	2) TPCL	35.680	712.911
5) CPP (B1+B2+B3)	42.706	864.335	3) REL	17.567	344.582
TOTAL STATE	220.031	4998.877	TOTAL STATE	358.276	7597.005

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4372	4680	4387
MSGENCO Hydro	326	477	186
MSGENCO Gas	465	477	496
MSGENCO Total Generation	5163	5634	5069
Central Sector Receipt	6544	5540	5474
WIND	212	90	259
CPP / IPP	1818	1820	1678
Exchange with Mumbai	-412	-476	-209
MSEDCL DEMAND MET	13325	12608	12271
Load Shedding	2005	1918	431
MSEDCL DEMAND	15330	14526	12702
TPCL GENERATION	1719	1677	794
R-INFRA GENERATION	526	527	527
TPCL+R-INFRA DEMAND	2657	2680	1530
STATE DEMAND MET	15982	15288	13801
STATE DEMAND	17987	17206	14232
Frequency (Hz)	49.95	49.81	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.32 Hz at 05:03 Hrs	49.11 Hz at 18:40 Hrs	49.86	.2 % 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 22/Mar/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	54.02	0	0	0
Unit 6	3.50	70.12	166	125	150
Unit 7	1.89	66.16	170	0	0
Total	5.39	190.30			150
Bhusawal					
Unit 2	3.65	73.38	170	130	170
Unit 3	4.16	94.39	195	155	190
Unit 4	1.66	8.38	124	0	0
Total	9.47	176.16			360
Parli					
Unit 3	3.57	62.77	169	117	125
Unit 4	3.60	92.38	166	135	150
Unit 5	3.42	84.51	158	129	130
Unit 6	3.99	97.38	185	147	155
Unit 7	3.83	65.10	188	121	165
Total	18.40	402.14			725
Chandrapur					
Unit 1	0.00	40.24	0	0	0
Unit 2	4.01	87.03	172	160	170
Unit 3	4.53	76.46	195	169	190
Unit 4	4.84	103.16	205	200	210
Unit 5	0.00	184.16	0	0	0
Unit 6	10.93	234.72	470	400	450
Unit 7	10.35	225.63	457	384	460
Total	34.66	951.41			1480
Paras					
Unit 3	6.04	121.71	260	246	250
Unit 4	2.83	100.39	250	0	0
Total	8.87	222.09			250
Khaparkheda					
Unit 1	4.94	104.51	210	195	210
Unit 2	1.79	93.44	191	0	0
Unit 3	4.70	91.40	207	176	210
Unit 4	4.98	105.54	216	200	210
Unit 5	0.00	0.00	0	0	0
Total	16.41	394.89			630
Nasik					
Unit 3	5.16	108.64	220	210	210
Unit 4	4.96	102.03	213	199	210
Unit 5	4.78	100.31	210	188	210
Total	14.90	310.98			630
Uran					
All Units	11.31	247.89	514	320	470
Total	11.31	247.89			470
PENCH (MS)					
Pench (MS)	0.24	9.00	50	0	0
Total	0.24	9.00			0
Koyna					
Stage 1-2	2.72	47.14	375	40	440
Stage 4	1.16	25.96	280	0	250
Stage 3	1.04	15.89	206	0	320
Total	4.93	88.99			1010
Kovna 12&4 Total	3.89	73.10			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.46	13.44	19	18	18
VTRNA	0.00	0.68	0	0	0
TILLARI	0.37	7.98	60	0	60
BHTGR/VEER	0.48	3.92	21	20	20
BHIRA T.R.	0.25	3.14	82	0	80
RNGR+BHTSA	0.32	7.20	14	13	15
BHANDARDRA	0.77	4.68	32	31	32
ELDARY	0.21	6.18	12	0	12
SMLHY PTN	0.96	19.90	40	39	0
GHATGHAR	0.00	23.94	0	0	0
Total	3.82	91.05			237
Wind					
MalharPeth	0.18	6.02			
Vankuswadi	0.31	8.92			
ATIT	0.04	2.58			
Kale	0.15	3.87			
Satara	1.36	15.11			
Shirala	0.15	4.86			
K Mahankal	0.04	8.15			
Supa	0.14	2.84			
Vita	1.38	21.61			
Dondaicha	0.11	45.38			
Sakri	0.03	6.01			
Nandurbar	0.03	4.59			
Khandke	0.21	6.02			
Khaparale	0.07	4.28			
Total	4.19	140.23			
CPP					
JSW JAIGAD	26.23	522.16	1111	1040	995
WARDHA	8.03	171.38	362	251	360
Other CPPs	8.44	170.80			
Total	42.71	864.34			1355
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.02	229.57	502	300	500
Trombay 6	8.53	146.97	502	157	500
Trombay 7A	2.99	62.07	130	116	120
Trombay 7B	1.65	33.81	70	67	60
Trombay 8	3.57	94.06	166	135	150
TATA Hydro	4.33	69.05	452	0	447
Total	32.10	635.52			1777
REL					
1&2	12.65	273.88	529	525	500
Total	12.65	273.88			500
Cent Sect					
Share					5371
Total					5371

MS PG CL	Thermal	108.10	2647.98			4225
	Thml+Gas	119.42	2895.86			4695
	Hydro	8.74	180.04			1247
	Total	128.16	3075.90			5942
State Total		220.03	4998.88			14945

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/Mar/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4359	439	494	5292	226	1676	5116	5851	-382	-379	12666	184	12850	1858	14708	49.82
2	4367	201	494	5062	237	1676	5021	5824	-377	-291	12508	344	12852	1680	14532	49.91
3	4385	173	495	5053	213	1678	5003	5581	-377	-247	12278	416	12694	1586	14280	49.97
4	4387	186	496	5069	259	1678	4977	5474	-377	-209	12271	431	12702	1530	14232	50.01
5	4390	181	502	5073	269	1701	4971	5496	-400	-190	12349	446	12795	1518	14313	50.05
6	4462	180	491	5133	303	1797	4941	5463	-437	-213	12483	601	13084	1618	14702	49.86
7	4354	215	491	5060	270	1814	5075	5634	-442	-217	12561	1403	13964	1720	15684	49.88
8	4248	370	491	5109	254	1819	5094	5793	-453	-262	12713	1532	14245	1850	16095	50.05
9	4262	478	486	5226	222	1817	5149	5694	-465	-328	12631	1557	14188	2112	16300	49.91
10	4336	353	476	5165	222	1824	5299	5958	-475	-363	12806	1948	14754	2448	17202	50.01
11	4372	326	465	5163	212	1818	5707	6544	-529	-412	13325	2005	15330	2657	17987	49.95
12	4586	262	455	5303	210	1821	5742	6364	-552	-398	13300	1830	15130	2696	17826	49.90
13	4608	164	457	5229	118	1819	5800	6297	-571	-460	13003	1935	14938	2703	17641	49.90
14	4546	169	451	5166	48	1817	5766	6551	-549	-511	13071	1640	14711	2657	17368	49.85
15	4500	326	450	5276	47	1816	5655	6658	-534	-483	13314	1511	14825	2701	17526	49.92
16	4623	626	449	5698	63	1819	5558	6291	-549	-472	13399	1684	15083	2700	17783	49.78
17	4680	477	477	5634	90	1820	5270	5540	-549	-476	12608	1918	14526	2680	17206	49.81
18	4656	182	484	5322	98	1815	5240	4978	-532	-465	11748	1462	13210	2616	15826	49.95
19	4567	269	320	5156	118	1812	5226	5089	-475	-402	11773	1211	12984	2539	15523	49.59
20	4605	853	494	5952	160	1822	5362	5448	-472	-361	13071	976	14047	2604	16651	49.59
21	4627	816	410	5853	179	1824	5406	5315	-462	-387	12834	735	13569	2476	16045	49.72
22	4704	577	514	5795	138	1808	5391	5365	-452	-336	12820	521	13341	2269	15610	49.70
23	4786	394	472	5652	104	1706	5155	5590	-442	-315	12787	475	13262	2065	15327	49.75
24	4693	528	498	5719	126	1709	5027	5449	-442	-330	12710	331	13041	1966	15007	49.79
MUs	108.10	8.74	11.31	128.16	4.19	42.71	126.95	138.25	-11.30	-8.51	305.03	27.10	332.12	53.25	385.37	49.86

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 22/Mar/2012

Position as on 6.30 Hrs of 23/Mar/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	31/03/2012
Koyna UNIT 6	75	10/03/2012	07.05		Continued.	Pressure Shaft work	28/03/2012
Koyna Unit 5	80	10/03/2012	07.10		Continued.	Pressure Shaft work	28/03/2012
Chandrapur Unit 1	210	11/03/2012	08.48		Continued.	Annual Overhaul	07/04/2012
FORCED OUTAGE							
Dabhol 3B	230	04/02/2012	23.43		Continued.	Gas Shortage	
Khaparkheda Unit 5	500	13/02/2012	22.18		Continued.	Low Vaccum.	
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
Dabhol 3A	230	07/03/2012	15.42		Continued.	Gas shortage.	
Dabhol 3X	290	07/03/2012	15.42		Continued.	Gas shortage.	
Uran Unit 6	108	14/03/2012	20.14	22/03/2012	19.22	Maintenance work.	
Cent_Sect TARAPUR-3	540	15/03/2012	22.13		Continued.	Primary coolant pump fail.	
Chandrapur Unit 5	500	18/03/2012	02.53	23/03/2012	22.10	Generator AVR Fault	
CPP WPCL U-2	135	19/03/2012	03.21		Continued.	Precepitator & Gas Filtter Replacement Work.	
Koradi Unit 5	200	19/03/2012	06.30		Continued.	I D Fan Problem.	
Paras Unit 4	250	20/03/2012	22.03	22/03/2012	09.15	Loss of fuel.	
Koradi Unit 7	210	21/03/2012	22.24	22/03/2012	10.58	Tripped on low vaccum.	
Khaparkheda Unit 2	210	22/03/2012	06.06	22/03/2012	19.39	Coal mill problem.	
Koyna ST - IV 4	250	22/03/2012	09.00	22/03/2012	17.17	Preventive maint.work	
Bhusawal Unit 4	500	22/03/2012	17.28	22/03/2012	22.16	Class C Prot.Operated	
Uran Unit A0	120	22/03/2012	17.57	22/03/2012	20.10	Boiler Prot.Operated	
Uran Unit 5	108	22/03/2012	17.58	22/03/2012	18.31	Due to Tripping of AO	
Uran Unit 6	108	23/03/2012	02.32	23/03/2012	05.18	Turbine Bearing vibration	
Uran Unit 6	108	23/03/2012	12.40	23/03/2012	15.59	Gas turbine problem.	
Dabhol 2B	230	23/03/2012	21.39		Continued.	Gas shortage.	
Parli Unit 3	210	23/03/2012	23.57		Continued.	Coal shortage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Mar/2012

Position as on 6.30 Hrs of 23/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	21/03/2012	23.08	22/03/2012	10.25	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Solapur (PG)-South Solapur I	28/02/2012	21.59		Continued.	H/T.After Test Charge.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Lonikand	22/03/2012	11.07	22/03/2012	11.27	Distance protection
Koradi-Satpur	23/03/2012	18.15	23/03/2012	18.30	Distance protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/11 KV 80 MVA Station T/F 4A @ Deepnagar	03/01/2012	10.15		Continued.	Replacement of H V Bushing.
400/220 KV,500MVA ICT-II at Deepnagar.	10/01/2012	10.30		Continued.	Connection of L V Side Jumpers of ICT -I & II Span Stringing & Testing Work.
Lonikand-Kalwa	22/03/2012	10.23	22/03/2012	18.43	Replacement of Faulty Disc Insulator
50 MVAR Reactor of Parli-Chandrapur - III	22/03/2012	11.00		Continued.	Tan Delta Value of R Phase Bushing high
Tie CB of A'Bad - II at Akola	22/03/2012	22.25	23/03/2012	17.27	Low Oil Pressure, Line in service through Main Breaker
Kalwa-Kharghar	23/03/2012	08.11	23/03/2012	15.58	For connecting IPS tube.
Chandrapur - Parli - III	23/03/2012	11.00	23/03/2012	18.47	Q.M.Work
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 30-03-2012)
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
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS at 20.30Hrs Dt.18/2/12
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
Mudsingi-Karad II	21/03/2012	12.45	22/03/2012	20.39	Repl. of line side isolator.
220/100KV,200 MVA ICT-II at Trombay.	21/03/2012	22.33	22/03/2012	04.20	SOAK test of 220KV cable termination including GIS.
Trombay-Kalwa	21/03/2012	22.37	22/03/2012	04.12	SOAK test of 220KV cable termination including GIS.
Trombay Sonkhar	21/03/2012	22.39	22/03/2012	04.11	SOAK test of 220KV cable termination including GIS.
Bus section - I @ Trombay	21/03/2012	22.40	22/03/2012	04.04	SOAK test of 220KV cable termination including GIS.
Trombay - Tata Tie - II	21/03/2012	22.58	22/03/2012	04.38	SOAK test of 220KV cable termination including GIS.
New Paras TPS - Chikhali - I	22/03/2012	08.51	22/03/2012	10.47	Hot Spot
Bus Coupler at Chakan	22/03/2012	09.06	22/03/2012	13.01	CT Tand Delta measurement
Nivali-Pawas	22/03/2012	09.15	22/03/2012	17.40	Insulator cleaning
Pedambe - Mahad	22/03/2012	10.26	22/03/2012	19.10	R.M.Work
Versova - Goregaon	23/03/2012	08.20	23/03/2012	21.28	Replacement of isolator contact.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Gondia - Amgaon RLY TSS - I	22/03/2012	09.45	22/03/2012	17.05	LILO work

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Mar/2012

Position as on 6.30 Hrs of 23/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Boiser -MIDC-Dahanu	22/03/2012	11.25	22/03/2012	13.50	Hot Spot
Parbhani-Jintur	22/03/2012	11.33	22/03/2012	14.06	Y Phase LA replacement
Gondia - Amgaon RLY TSS - II	22/03/2012	16.44	22/03/2012	16.45	Newly Charged
Boiser - MIDC	23/03/2012	09.02	23/03/2012	15.40	CT replacement work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Bhusawal- Aurangabad	21/03/2012	17.30	22/03/2012	07.52	Over Voltage.
Karad - Kolhapur - I	21/03/2012	18.25	22/03/2012	10.36	Over Voltage.
Karad - Kolhapur - II	22/03/2012	16.56	23/03/2012	09.39	Over Voltage
Bhusawal- Aurangabad	22/03/2012	17.01	23/03/2012	09.27	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur-Warora	22/03/2012	02.53		Continued.	To Control Warora-Wardha & Hinganghat Line Loading.
Wardha-Abhijeet I	23/03/2012	10.02		Continued.	To control Koradi ICT loading.
Wardha-Abhijeet II	23/03/2012	10.02		Continued.	To control Koradi ICT loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persisting
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(Kept on Humming at 18.45Hrs/24-3-12)
Warora - Wardha Power - II	21/03/2012	11.19	22/03/2012	02.45	R ph.CT burst at Warora end.
Voltage Level : 132KV			Outage Type TRIPPED		
Eldari - Jintur	22/03/2012	00.37	22/03/2012	01.17	Distance Protection
Padegaon - Paithan	22/03/2012	03.07	22/03/2012	03.59	Distance Protection
Dhule-Sakri	22/03/2012	12.35	22/03/2012	12.56	Distance Protection
Kawlewada-Gondia-II	22/03/2012	20.54	22/03/2012	21.07	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Mar/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	145
	620	295
Bhusawal		
Unit 2	210	170
Unit 3	210	190
Unit 4	500	
	920	360
Parli		
Unit 3	210	165
Unit 4	210	150
Unit 5	210	135
Unit 6	250	175
Unit 7	250	160
	1130	785
Chandrapur		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	195
Unit 4	210	205
Unit 5	500	0
Unit 6	500	450
Unit 7	500	450
	2340	1470
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	210
Unit 5	500	
	1340	790
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	210
	630	630
Uran		
All Units	852	460
	852	460
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	440
Stage 4	1000	250
Stage 3	320	320
	1920	1010
Hydro		
KDPH	40	19
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	24
GHATGHAR	250	0
	611	238
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	995
WARDHA	405	349
Other CPPs	0	
	1005	1344
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	5335
	3455	5335