



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Mar/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Mar/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	108.210	224.645	1) Gujrat	11.348	19.180
2) Hydro	6.434	12.733	2) Madhya Pradesh	21.133	40.910
3) Gas	10.064	19.114	3) Chattisgarh	11.940	23.480
Total MSGENCO	124.708	256.492	4) Maharashtra	46.161	101.815
B) OTHERS			5) Goa	-5.704	-11.964
1) JSW JAIGAD	28.042	55.875	6) TAPS 1&2 Injection	5.167	9.068
2) WPCL	7.417	14.835	7) RGPPL Injection	21.367	45.591
3) Other CPP / IPP	7.526	16.371	8) Pench (Excess)	-0.575	-1.101
4) Wind Generation	9.351	15.976	# Total Cent. Sector	110.837	226.979
5) PENCH (MS)	0.575	1.101	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-5.682	-9.668
1) TPCL Thermal	26.405	55.306	G) Bilateral Power *		
2) TPCL Hydro	3.179	6.255	1) MSEDCL Bilateral	41.330	82.508
TOTAL TPCL	29.584	61.561	Include PX	0.000	0.000
3) REL Thermal	12.640	25.042	2) MUMBAI Bilateral	9.874	19.158
D) STATE			Include PX	-0.738	-2.072
1) Thermal (A1+C1+C3)	147.255	304.993	3) MUMBAI Schedule	9.874	19.158
2) Hydro (A2+B5+C2)	10.188	20.089	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.064	19.114	1) MSEDCL	282.774	577.961
4) Wind (B4)	9.351	15.976	2) TPCL	32.377	65.238
5) CPP (B1+B2+B3)	42.985	87.081	3) REL	15.527	31.031
TOTAL STATE	219.843	447.253	TOTAL STATE	330.678	674.230

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	4428	4525	4550
MSGENCO Hydro	563	342	175
MSGENCO Gas	435	451	380
MSGENCO Total Generation	5426	5318	5105
Central Sector Receipt	5168	4964	4229
WIND	371	488	226
CPP / IPP	1859	1845	1631
Exchange with Mumbai	-376	-266	10
MSEDCL DEMAND MET	12495	12399	11201
Load Shedding (LS)	1645	276	121
MSEDCL DEMAND (INCL. LS)	14140	12675	11322
TPCL GENERATION	1675	1568	818
REL GENERATION	526	526	527
TPCL+REL DEMAND	2577	2360	1335
STATE DEMAND MET	15072	14759	12536
Load Management (LM)	2202	3540	1610
Total Load Relief (LS+LM)	3847	3816	1731
UNRESTRICTED STATE DEMAND	18919	18575	14267
Frequency (Hz)	49.62	49.71	49.73

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 21.52 Hrs	49.01 Hz at 19.10 Hrs	49.72	.52 % 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 02/Mar/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.53	6.98	157	142	134
Unit 6	2.28	2.28	156	0	0
Unit 7	0.00	0.00	0	0	0
Total	5.81	9.26			134
Bhusawal					
Unit 2	0.00	3.66	0	0	0
Unit 3	4.28	8.60	190	150	161
Unit 4	0.00	1.34	0	0	0
Total	4.28	13.61			161
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.14	8.40	186	132	175
Unit 5	3.95	7.82	172	146	170
Unit 6	5.03	9.86	239	190	225
Unit 7	3.91	7.86	192	136	175
Total	17.03	33.94			745
Chandrapur					
Unit 1	3.90	7.89	168	157	165
Unit 2	3.96	8.06	171	154	170
Unit 3	0.00	0.00	0	0	0
Unit 4	4.66	9.20	207	177	200
Unit 5	10.50	21.28	460	320	470
Unit 6	11.12	22.20	475	450	460
Unit 7	10.70	21.31	474	417	450
Total	44.85	89.93			1915
Paras					
Unit 3	5.54	11.05	250	173	200
Unit 4	1.52	5.96	170	0	160
Total	7.06	17.01			360
Khaparkheda					
Unit 1	4.92	9.88	215	195	210
Unit 2	4.38	8.81	186	170	200
Unit 3	0.00	2.27	0	0	0
Unit 4	5.25	10.52	223	212	210
Unit 5	0.00	0.00	0	0	0
Total	14.55	31.48			620
Nasik					
Unit 3	5.06	10.16	220	200	210
Unit 4	4.75	9.62	208	180	210
Unit 5	4.83	9.63	208	191	210
Total	14.64	29.42			630
Uran					
All Units	10.06	19.11	452	380	360
Total	10.06	19.11			360
PENCH (MS)					
Pench (MS)	0.58	1.10	51	0	
Total	0.58	1.10			
Koyna					
Stage 1-2	2.36	3.86	345	40	600
Stage 4	0.22	0.22	165	0	250
Stage 3	0.68	1.29	160	0	320
Total	3.26	5.37			1170
Kovna 12&4 Total	2.58	4.08			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.93	1.71	39	38	40
VTRNA	0.00	0.00	0	0	0
TILLARI	0.36	0.73	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.14	0.27	75	0	40
RNGR+BHTSA	0.34	0.67	15	14	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.30	0.59	13	12	13
SMLHY PTN	0.72	1.53	30	29	0
GHATGHAR	0.39	1.86	125	0	0
Total	3.17	7.36			168
Wind					
MalharPeth	0.68	0.83			
Vankuswadi	0.86	1.22			
ATIT	0.46	0.50			
Kale	0.32	0.43			
Satara	1.17	2.20			
Shirala	0.33	0.42			
K Mahankal	0.67	0.70			
Supa	0.05	0.12			
Vita	1.88	2.68			
Dondaicha	2.07	4.96			
Sakri	0.28	0.70			
Nandurbar	0.26	0.54			
Khandke	0.18	0.29			
Khaparale	0.14	0.40			
Total	9.35	15.98			
CPP					
JSW JAIGAD	28.04	55.88	1218	1072	1045
WARDHA	7.42	14.84	330	260	330
Other CPPs	7.53	16.37			
Total	42.98	87.08			1375
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.43	21.12	505	287	500
Trombay 6	6.62	14.88	386	156	500
Trombay 7A	2.38	5.13	130	71	120
Trombay 7B	1.45	3.01	69	53	60
Trombay 8	5.52	11.17	250	176	250
TATA Hydro	3.18	6.26	414	0	447
Total	29.58	61.56			1877
REL					
1&2	12.64	25.04	529	525	500
Total	12.64	25.04			500
Cent Sect					
Share					5080
Total					5080

MS PG CL	Thermal	108.21	224.64			4565
	Thml+Gas	118.27	243.76			4925
	Hydro	6.43	12.73			1338
	Total	124.71	256.49			6263
State Total		219.84	447.25			15095

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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 RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	4434	293	380	5107	187	1637	4665	4756	-359	-158	11554	2034	11627	1551	15139	49.70
2	4427	194	382	5003	192	1634	4565	4495	-274	-85	11246	2050	11382	1418	14714	49.72
3	4550	175	380	5105	226	1631	4526	4229	-243	10	11201	1731	11322	1335	14267	49.73
4	4536	135	380	5051	266	1630	4501	4206	-216	44	11197	1857	11244	1304	14358	49.78
5	4550	145	381	5076	312	1637	4508	4424	-216	18	11467	1855	11492	1330	14652	49.68
6	4578	360	382	5320	301	1797	4495	4516	-237	-87	11860	2458	12346	1437	15755	49.64
7	4595	416	384	5395	288	1837	4617	4656	-216	-116	12085	3212	13281	1599	16896	49.59
8	4567	686	393	5646	251	1858	4677	4723	-285	-105	12398	3715	13807	1743	17856	49.72
9	4612	329	396	5337	206	1870	4729	4630	-338	-224	11845	3922	13467	1989	17756	49.65
10	4663	365	420	5448	220	1862	4829	4859	-449	-252	12170	4022	13934	2200	18392	49.59
11	4569	375	422	5366	282	1859	4823	5084	-498	-413	12225	3986	14014	2485	18696	49.63
12	4428	563	435	5426	371	1859	4818	5168	-507	-376	12495	3847	14140	2577	18919	49.62
13	4419	350	432	5201	486	1848	4840	4820	-531	-322	12080	3853	13731	2495	18428	49.71
14	4479	266	438	5183	531	1856	4788	4746	-562	-291	12045	3590	13479	2410	18045	49.81
15	4469	200	437	5106	579	1855	4790	4773	-562	-348	11972	3323	13303	2358	17653	49.71
16	4415	141	441	4997	633	1815	4794	4798	-562	-357	11886	3273	13293	2383	17542	49.66
17	4441	135	441	5017	621	1816	4793	4267	-562	-355	11366	3552	12670	2360	17278	49.69
18	4459	141	442	5042	566	1834	4727	3895	-538	-469	10915	3192	11434	2318	16425	49.86
19	4470	197	443	5110	476	1854	4747	4257	-449	-325	11423	3835	11782	2293	17551	49.68
20	4525	342	451	5318	488	1845	4994	4964	-478	-266	12399	3816	12675	2360	18575	49.71
21	4490	205	452	5147	483	1854	4985	4784	-478	-304	11994	3755	12229	2248	17997	49.79
22	4552	146	450	5148	440	1855	4864	4509	-439	-312	11665	3711	11878	2082	17458	49.94
23	4531	140	451	5122	472	1781	4807	4536	-439	-309	11627	3347	11627	1909	16883	49.80
24	4451	135	451	5037	474	1661	4729	4742	-439	-280	11659	2733	11659	1722	16114	49.78
MUs	108.2 1	6.43	10.06	124.71	9.35	42.98	113.61	110.84	-9.87	-5.68	282.77	76.67	301.82	47.91	407.35	49.72

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 02/Mar/2012

Position as on 6.30 Hrs of 03/Mar/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.	03/03/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	05/03/2012
FORCED OUTAGE							
Dabhol 3B	230	04/02/2012	23.43		Continued.	Gas Shortage	
Khaparkheda Unit 5	500	13/02/2012	22.18		Continued.	Low Vacuum.	
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
CPP WPCL U-3	135	15/02/2012	23.57	03/03/2012	02.05	Low demand.	
Dabhol 3A	230	21/02/2012	21.58		Continued.	Gas shortage.	
Dabhol 3X	290	21/02/2012	21.58		Continued.	Gas shortage.	
Uran Unit 5	108	23/02/2012	11.35		Continued.	Gas Shortage	
Chandrapur Unit 3	210	26/02/2012	04.03		Continued.	Boiler Validity Extension	09/03/2012
Koradi Unit 7	210	29/02/2012	04.02	03/03/2012	06.05	BLR T/L.	
Koradi Unit 6	210	29/02/2012	14.27	02/03/2012	07.16	BLR T/L.	
Khaparkheda Unit 3	210	01/03/2012	11.56		Continued.	Boiler tube leakage.	04/03/2012
Bhusawal Unit 4	500	01/03/2012	21.48		Continued.	M S Temp.Low.	03/03/2012
Cent_Sect Tarapur 2	80	02/03/2012	01.26	02/03/2012	07.26	Unit tripped on fuel rod problem.	
Paras Unit 4	250	02/03/2012	10.28		Continued.	Conveyer Belt Broken	
CPP WPCL U-2	135	03/03/2012	04.13		Continued.	Withdrawn	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Mar/2012

Position as on 6.30 Hrs of 03/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha -Tarapur - I	02/03/2012	09.57	02/03/2012	18.38	Bay Maint.work
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		
Parly(PG) - Wardha (PG) - I	27/02/2012	08.31		Continued.	Due to outage on Wardha-Seoni ckt.
Dhule-Sar'Sarovar - I	28/02/2012	23.16		Continued.	Over Voltage.
Kolhapur - Mapusa - I	29/02/2012	17.01		Continued.	Over Voltage.
Akola - Wardha - I	01/03/2012	18.17		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Solapur (PG)-South Solapur I	28/02/2012	21.59		Continued.	H/T.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa-Kharghar	22/02/2012	10.30		Continued.	Taken on TBC,connection IPS tube.
Main Bus-II @ Kolhapur	27/02/2012	19.09		Continued.	Attending Y-Ph CVT replacement work.
Main Bus-II at Deepnagar	01/03/2012	14.37	02/03/2012	19.31	For connecting jumpers.
400/220KV, 315MVA ICT-I @ New Koyna.	02/03/2012	08.26	02/03/2012	20.57	CTR Commissioning,Diff.relay
400/220 KV 315 MVA ICT-II @ Kharghar	02/03/2012	09.16	02/03/2012	19.05	Tand Delta Measurement
Newkoyna - Jaigad - I	02/03/2012	09.19	02/03/2012	19.19	Cold Line Insulator work
400/220KV 500MVA ICT-III at Dhule	02/03/2012	11.40	02/03/2012	20.14	Scada Testing 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 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 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 @ 20.30 DT 18.02.2012.
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
Kalwa - Khargar	21/02/2012	12.24		Continued.	Mumbai system strengthing work.
220/100KV 200MVA ICT-IV at Kalwa	02/03/2012	06.05	02/03/2012	17.30	For 100KV Road side outage
Kalwa - Airoli - Knowledge Park.	02/03/2012	07.25		Continued.	Replacement of line side Insulator
Padgha-Wada	02/03/2012	09.05	02/03/2012	17.05	Maint.work
220/132KV 100MVA ICT-I at Dondaicha	02/03/2012	09.10	02/03/2012	18.14	Line Isolator replacement work
Jambhual - Pal-I	02/03/2012	09.15	02/03/2012	17.25	R.M.Work
Padgha-Boiser(PGCIL)	02/03/2012	10.10	02/03/2012	16.34	For shifting Nalasopara Load

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Mar/2012

Position as on 6.30 Hrs of 03/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Padgha - Nalasopara	02/03/2012	10.17	02/03/2012	16.33	Jumper Tighting work
Aarey-Versova-II	02/03/2012	10.20	02/03/2012	20.43	Cable work
220/132 KV 200 MVA ICT - I @ Parbhani	02/03/2012	10.50	02/03/2012	15.01	RTCC panel work
220/132 KV 200 MVA ICT -IV. at Padegaon.	02/03/2012	11.00	02/03/2012	16.33	To attend Oil Leakage
Mahape-Tifil	02/03/2012	12.02	02/03/2012	18.10	Red Hot on R Phase CT
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Breaker Problem(Ckt is on TBC)
Jafarabad - Bhokardan	02/03/2012	16.54	02/03/2012	16.55	First time charged
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Road Side Bus @ Kalwa	02/03/2012	06.07	02/03/2012	17.20	Replacement of Single core Conductor by twin core
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Bhusawal- Aurangabad	01/03/2012	16.06	02/03/2012	07.21	Over Voltage.
Karad - Kolhapur - II	01/03/2012	20.44	02/03/2012	09.46	Over Voltage.
Karad - Kolhapur - I	02/03/2012	16.21		Continued.	Over Voltage
Bhusawal- Aurangabad	02/03/2012	16.41		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bale-Murud	22/02/2012	22.00		Continued.	Due to Lamboti ICT loading.
Theur-Phursungi-I	01/03/2012	14.06		Continued.	Control the load of 400KV Lonikand and Jejuri.
Chandrapur - Warora	01/03/2012	18.54		Continued.	To control Warora-Wardha line 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(Failed).
Khapakheda - Koulawada - II	01/03/2012	22.47	02/03/2012	13.15	Distance protection R ph.Z-1.Declared faulty.
Kolhapur-Ichalkaranji	02/03/2012	18.33	02/03/2012	22.14	Distance Protection
Kolhapur-Tilwani-II	02/03/2012	18.33	02/03/2012	22.16	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Malinagar - Velapur	02/03/2012	04.35	02/03/2012	17.10	Over Current

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Mar/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	160
Unit 7	210	35
	620	345
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	
	920	150
Parli		
Unit 3	210	0
Unit 4	210	190
Unit 5	210	165
Unit 6	250	180
Unit 7	250	180
	1130	715
Chandrapur		
Unit 1	210	165
Unit 2	210	170
Unit 3	210	0
Unit 4	210	200
Unit 5	500	475
Unit 6	500	460
Unit 7	500	450
	2340	1920
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	210
Unit 2	210	200
Unit 3	210	0
Unit 4	210	210
Unit 5	500	
	1340	620
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	210
	630	630
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	36
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	0
BHIRA T.R.	80	75
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	13
SMLHY PTN	12	0
GHATGHAR	250	0
	611	199
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	1095
WARDHA	405	330
Other CPPs	0	
	1005	1425
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	5040
	3455	5040