



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Jan/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Jan/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	105.675	312.269	1) Gujrat	3.895	12.338
2) Hydro	13.051	29.146	2) Madhya Pradesh	22.817	66.985
3) Gas	15.134	44.695	3) Chattisgarh	12.720	38.120
Total MSGENCO	133.860	386.110	4) Maharashtra	48.150	152.772
B) OTHERS			5) Goa	-6.703	-18.000
1) JSW JAIGAD	26.785	70.155	6) TAPS 1&2 Injection	7.788	23.445
2) WPCL	7.981	21.132	7) RGPPL Injection	26.187	76.432
3) Other CPP / IPP	6.497	18.225	8) Pench (Excess)	-0.013	-0.189
4) Wind Generation	2.182	7.371	# Total Cent. Sector	114.841	351.903
5) PENCH (MS)	0.418	0.594	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-5.301	-5.101
1) TPCL Thermal	25.714	76.058	G) Bilateral Power *		
2) TPCL Hydro	3.200	8.386	1) MSEDCL Bilateral	43.403	125.064
TOTAL TPCL	28.914	84.444	Include PX	3.397	10.441
3) REL Thermal	12.042	37.059	2) MUMBAI Bilateral	6.816	18.707
D) STATE			Include PX	-3.861	-13.071
1) Thermal (A1+C1+C3)	143.431	425.386	3) MUMBAI Schedule	6.816	18.707
2) Hydro (A2+B5+C2)	16.669	38.126	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.134	44.695	1) MSEDCL	287.263	850.389
4) Wind (B4)	2.182	7.371	2) TPCL	31.262	85.098
5) CPP (B1+B2+B3)	41.263	109.512	3) REL	14.993	41.510
TOTAL STATE	218.679	625.090	TOTAL STATE	333.518	976.997

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	4389	4592	4343
MSGENCO Hydro	1335	571	147
MSGENCO Gas	612	635	644
MSGENCO Total Generation	6336	5798	5134
Central Sector Receipt	5016	4828	4380
WIND	35	133	107
CPP / IPP	1840	1834	1474
Exchange with Mumbai	-253	-272	-33
MSEDCL DEMAND MET	13025	12361	11062
Load Shedding (LS)	1832	913	305
MSEDCL DEMAND (INCL. LS)	14857	13274	11367
TPCL GENERATION	1643	1552	808
REL GENERATION	526	527	386
TPCL+REL DEMAND	2422	2351	1227
STATE DEMAND MET	15447	14712	12289
Load Management (LM)	2355	3709	1553
Total Load Relief (LS+LM)	4187	4622	1858
UNRESTRICTED STATE DEMAND	19634	19334	14147
Frequency (Hz)	49.65	49.59	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 06:04 Hrs	49.08 Hz at 14:54 Hrs	49.72	.84 % 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 03/Jan/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.37	9.93	153	118	145
Unit 6	2.87	9.01	140	89	100
Unit 7	3.68	12.08	175	100	145
Total	9.92	31.03			390
Bhusawal					
Unit 2	4.05	12.16	180	155	180
Unit 3	4.20	12.48	190	160	180
Unit 4	0.00	0.00	0	0	0
Total	8.25	24.64			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.19	11.27	192	143	165
Unit 5	3.04	8.70	137	117	130
Unit 6	4.27	13.10	214	160	180
Unit 7	3.96	11.84	202	100	170
Total	15.47	44.91			645
Chandrapur					
Unit 1	3.62	10.80	154	147	160
Unit 2	3.77	11.02	161	149	155
Unit 3	3.92	11.97	169	156	165
Unit 4	5.08	15.07	215	210	210
Unit 5	0.00	0.00	0	0	0
Unit 6	9.88	29.56	430	390	400
Unit 7	10.42	15.55	463	388	425
Total	36.69	93.98			1515
Paras					
Unit 3	5.35	16.97	257	210	250
Unit 4	5.20	16.93	237	186	200
Total	10.55	33.90			450
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.08	12.93	185	155	170
Unit 3	1.91	12.35	216	0	0
Unit 4	5.07	15.49	224	184	210
Unit 5	0.00	1.11	0	0	0
Total	11.06	41.88			380
Nasik					
Unit 3	4.66	14.48	220	160	210
Unit 4	4.87	14.69	210	192	210
Unit 5	4.20	12.78	190	157	190
Total	13.74	41.94			610
Uran					
All Units	15.13	44.70	653	602	630
Total	15.13	44.70			630
PENCH (MS)					
Pench (MS)	0.42	0.59	51	0	0
Total	0.42	0.59			0
Koyna					
Stage 1-2	3.34	6.36	450	40	600
Stage 4	2.44	2.55	543	0	250
Stage 3	1.16	2.34	160	0	320
Total	6.94	11.26			1170
Kovna 12&4 Total	5.78	8.92			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	0.78	20	19	19
VTRNA	0.96	2.90	61	0	60
TILLARI	0.33	1.15	61	0	60
BHTGR/VEER	0.46	1.33	19	19	18
BHIRA T.R.	0.17	0.42	56	0	80
RNGR+BHTSA	0.35	1.13	15	14	17
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.31	0.94	14	12	15
SMLHY PTN	1.08	3.15	54	42	11
GHATGHAR	1.97	6.10	250	0	0
Total	6.11	17.89			280
Wind					
MalharPeth	0.10	0.33			
Vankuswadi	0.17	0.53			
ATIT	0.02	0.09			
Kale	0.06	0.16			
Satara	0.46	0.90			
Shirala	0.05	0.12			
K Mahankal	0.00	0.33			
Supa	0.04	0.16			
Vita	0.13	0.70			
Dondaicha	0.85	2.79			
Sakri	0.08	0.35			
Nandurbar	0.03	0.26			
Khandke	0.01	0.31			
Khaparale	0.18	0.33			
Total	2.18	7.37			
CPP					
JSW JAIGAD	26.78	70.16	1214	951	1060
WARDHA	7.98	21.13	369	261	352
Other CPPs	6.50	18.22			
Total	41.26	109.51			1412
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.16	30.92	500	279	500
Trombay 6	5.41	14.83	369	154	500
Trombay 7A	3.01	9.13	129	120	120
Trombay 7B	1.65	4.98	70	68	60
Trombay 8	5.48	16.20	248	170	250
TATA Hydro	3.20	8.39	356	0	447
Total	28.91	84.44			1877
REL					
1&2	12.04	37.06	529	386	500
Total	12.04	37.06			500
Cent Sect					
Share					5062
Total					5062

MS PG CL	Thermal	105.68	312.27			4350
	Thml+Gas	120.81	356.96			4980
	Hydro	13.05	29.15			1450
	Total	133.86	386.11			6430
State Total		218.68	625.09			15281

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/Jan/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	4374	208	644	5226	68	1463	4510	4847	-174	-135	11482	2138	11649	1411	15031	49.78
2	4380	147	644	5171	70	1474	4607	4496	-121	-89	11129	2277	11463	1287	14693	49.97
3	4343	147	644	5134	107	1474	4583	4380	-100	-33	11062	1858	11367	1227	14147	49.95
4	4358	174	645	5177	89	1480	4468	4373	-95		11119	1978	11403	1195	14292	49.86
5	4373	149	638	5160	87	1506	4430	4508	-100	2	11263	2164	11662	1206	14633	49.86
6	4225	149	640	5014	107	1629	4458	4667	1	55	11472	2584	12136	1328	15384	49.82
7	4333	364	633	5330	172	1715	4364	4705	-79	-3	11946	3519	13325	1527	16992	49.67
8	4390	637	635	5662	159	1822	4566	4857	-143	-156	12371	3896	13839	1676	17943	49.70
9	4354	1047	630	6031	142	1811	4624	4500	-217	-191	12293	3943	13805	1908	18144	49.57
10	4382	1408	619	6409	81	1806	4639	4503	-237	-196	12630	4218	14474	2209	19057	49.50
11	4363	1264	602	6229	44	1802	4968	4924	-344	-278	12746	4302	14693	2400	19448	49.62
12	4389	1335	612	6336	35	1840	4955	5016	-333	-253	13025	4187	14857	2422	19634	49.65
13	4393	908	611	5912	38	1840	5152	5192	-519	-435	12572	4314	14529	2415	19301	49.72
14	4348	603	617	5568	51	1863	5108	5772	-471	-423	12856	4102	14647	2296	19254	49.82
15	4370	941	614	5925	77	1851	5085	5300	-450	-409	12744	3790	14388	2302	18836	49.56
16	4418	922	621	5961	94	1862	5101	5096	-466	-403	12610	3795	14385	2313	18718	49.69
17	4419	471	623	5513	109	1855	4623	4611	-455	-419	11694	4354	13640	2324	18372	49.72
18	4470	245	618	5333	128	1854	4534	4426	-366	-328	11438	4358	12893	2301	18097	49.68
19	4424	408	621	5453	116	1861	4667	4865	-381	-324	12011	4822	13167	2393	19226	49.66
20	4592	571	635	5798	133	1834	4788	4828	-423	-272	12361	4622	13274	2351	19334	49.59
21	4561	323	637	5521	110	1816	4811	4691	-402	-270	11908	4414	12636	2249	18571	49.69
22	4530	218	646	5394	60	1655	4816	4533	-349	-228	11431	4197	11966	2029	17657	49.70
23	4447	218	652	5317	54	1617	4760	4769	-296	-271	11490	3863	11962	1841	17194	49.68
24	4439	194	653	5286	51	1533	4603	4982	-296	-242	11610	3152	11978	1647	16409	49.83
MUs	105.68	13.05	15.13	133.86	2.18	41.26	113.22	114.84	-6.82	-5.30	287.26	86.85	314.14	46.26	420.37	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 03/Jan/2012

Position as on 6.30 Hrs of 04/Jan/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.	22/01/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	14/01/2012
Cent_Sect NTPC (K-2)	210	20/12/2011	13.45		Continued.	Annual Overhaul.	14/01/2012
Khaparkheda Unit 1	210	31/12/2011	02.37		Continued.	Annual Overhaul	10/02/2012
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	29/02/2012
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem, Preparation for P.G. Test.	31/01/2012
Dabhol 3B	230	12/12/2011	23.46		Continued.	Gas shortage.	
Dabhol 3A	230	13/12/2011	16.09		Continued.	Gas Shortage	
Dabhol 3X	290	13/12/2011	16.09		Continued.	Gas Shortage	
Cent_Sect NTPC(K-3)	210	28/12/2011	14.00		Continued.	CW Pump Problem	
Chandrapur Unit 5	500	29/12/2011	12.13		Continued.	Emergency Supply Fail.	04/01/2012
Khaparkheda Unit 5	500	01/01/2012	05.48		Continued.	Tripped on generator protection operated.	
Khaparkheda Unit 3	210	03/01/2012	04.42	03/01/2012	17.42	Tripped.	
Cent_Sect NTPC(V) 9	500	03/01/2012	05.00	03/01/2012	20.21	Control fluid leakage.	
Cent_Sect NTPC(V-2)	210	03/01/2012	23.02		Continued.	Boiler tube leakage.	06/01/2012

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Jan/2012

Position as on 6.30 Hrs of 04/Jan/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		
Parli (PGCIL)-Bhadravati-II	09/12/2011	16.41		Continued.	Over Voltage.
Chandrapur-Bhadravti - I	25/12/2011	22.48		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	29/12/2011	16.53	03/01/2012	07.04	Over Voltage.
Kolhapur - Mapusa - II	29/12/2011	21.33		Continued.	Over Voltage.
Wardha - Akola - I	29/12/2011	21.45		Continued.	Over Voltage.
Parly(PG)- Solapur(PG) - I	01/01/2012	00.10		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	03/01/2012	02.46		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	03/01/2012	22.41		Continued.	Over Voltage.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pench - Kanhan	31/12/2011	19.41	03/01/2012	16.35	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 105 MVA Spare ICT at Parly II	22/04/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
400/220KV,200MVA Spare ICT at Kalwa.	15/12/2011	14.59		Continued.	For Replacement of Y Ph. C T of ICT-I by 400KV C T of Spare ICT.up to 04.01.2012
New Koyna - Karad - I	02/01/2012	09.20	03/01/2012	08.47	R.M.Work (Ready for charging).
400 KV A C - I @ Padgha	03/01/2012	10.34	03/01/2012	16.58	Hot spot attending.
Karad-Jaigad I	03/01/2012	11.22		Continued.	TBC wiring and trials.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV,125 MVA T/F-II at Jambhul	08/11/2011	13.50		Continued.	Inspection and Rectification of Gas Formation upto 25.01.2012.
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
Kalwa-Trombay	30/11/2011	09.20		Continued.	Replacement of Breaker (Taken on TBC upto 16.01.2012.
Bus Bar Protection at Parli (GCR)	24/12/2011	14.42		Continued.	Commissioning of New bus bar protection.
220/15.75KV 250 MVA GT III @ Parly-I	26/12/2011	12.32		Continued.	Replacement of CT and PT.
220/6.6kv Stn. T/F NO.IV @ KORADI	28/12/2011	10.41		Continued.	Commissioning of SCADA Scheme
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
Girwali - Parly - IV	03/01/2012	09.09	03/01/2012	10.40	Replacement of compressor.
Vita - Miraj	03/01/2012	09.35	03/01/2012	13.43	Q.M.Work
Jindal - Ghatghar	03/01/2012	09.53	03/01/2012	14.56	Wave trap conductor replacement.
Apta-Kalwa	03/01/2012	09.55	03/01/2012	16.25	For attending Y ph.Aux.bus isolator pipe and jaw.
Chalisgaon - Bhusawal- II	03/01/2012	10.37	03/01/2012	18.04	Replacement of Aux,bus isolator under LES.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Jan/2012

Position as on 6.30 Hrs of 04/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Miraj-Maisal	03/01/2012	14.40	03/01/2012	17.30	Q.M.Work
220/33 KV 100 MVA ICT - I @ Jamde	03/01/2012	14.40	03/01/2012	16.06	LV side CT oil leakage.
Kolshet - Kamba	03/01/2012	15.36	03/01/2012	17.10	Retrofitting trip ckt.supervision relay.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthning.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
50 MVAR Reactor on 400 KV Bhusawal - II	16/12/2011	12.02		Continued.	To Attend Oil Leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
Bhusawal- Aurangabad	01/01/2012	16.14	03/01/2012	11.10	Over Voltage.
Karad - Kolhapur - I	02/01/2012	16.19	03/01/2012	08.41	Over Voltage.
Bhusawal- Aurangabad	03/01/2012	17.33		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	24/12/2011	17.58		Continued.	To control Wardha-Warora,Hinganghat -Warora.L/L.
Bale-Usmanabad	31/12/2011	11.52		Continued.	To control Lamboti-Bale line.
Badnera-Akola ckt-I	03/01/2012	17.10	03/01/2012	21.25	To control 220KV Warora-Hinganghat Ckt.over loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Main Ckt Breaker of Dhule -SSP-I at Dhule	30/11/2011	17.00		Continued.	B Phase Main C.B.Burst at Dhule(Charged through TBC on
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).
Dhamangaon - Badnera	03/01/2012	14.43	03/01/2012	15.19	Distance protection operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Bale - Nuldurg	03/01/2012	04.12	03/01/2012	04.26	Disc flash over.
Ambazari - Amravati	03/01/2012	17.39	03/01/2012	17.51	Distance protection operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	105
Unit 6	210	100
Unit 7	210	125
	620	330
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	175
Unit 5	210	130
Unit 6	250	180
Unit 7	250	165
	1130	650
Chandrapur		
Unit 1	210	155
Unit 2	210	150
Unit 3	210	155
Unit 4	210	210
Unit 5	500	0
Unit 6	500	400
Unit 7	500	450
	2340	1520
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	200
Unit 4	210	210
Unit 5	500	
	1340	580
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	152
	630	532
Uran		
All Units	852	630
	852	630
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	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	11
GHATGHAR	250	0
	611	280
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	1100
WARDHA	405	360
Other CPPs	0	
	1005	1460
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	4824
	3455	4824

	17900	7 of 7 15213
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