



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Dec/2012

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.343	354.549	1) Gujrat	9.295	30.106
2) Hydro	7.859	23.261	2) Madhya Pradesh	16.510	47.480
3) Gas	10.200	31.020	3) Chattisgarh	12.000	35.990
Total MSGENCO	139.402	408.830	4) Maharashtra	62.069	196.928
B) 1) JSW JAIGAD	20.865	58.528	5) Goa	-4.981	-15.689
2) WPCL	8.858	26.593	6) TAPS 1&2 Injection	3.543	10.678
3) ADANI	0.000	0.000	7) RGPPL Injection	11.668	35.697
4) Other CPP / IPP	10.547	31.474	8) Pench (Excess)	-0.353	-1.022
5) Wind Generation	5.835	10.088	# Total Cent. Sector	109.751	340.168
6) PENCH (MS)	0.353	1.022	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.985	-19.954
1) TPCL Thermal	25.997	73.357	G) Bilateral Power *		
2) TPCL Hydro	4.215	8.459	1) MSEDCL Bilateral	35.397	102.651
TOTAL TPCL	30.212	81.816	Include PX	0.294	0.294
3) REL Thermal	12.041	36.097	2) MUMBAI Bilateral	8.088	23.420
D) STATE			Include PX	-1.691	-5.430
1) Thermal (A1+C1+C3)	159.381	464.003	3) MUMBAI Schedule	8.088	23.420
2) Hydro (A2+B5+C2)	12.427	32.742	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.200	31.020	1) MSEDCL	287.626	856.749
4) Wind (B4)	5.835	10.088	2) TPCL	34.034	92.620
5) CPP (B1+B2+B3)	40.270	116.595	3) REL	16.199	45.239
TOTAL STATE	228.113	654.448	TOTAL STATE	337.859	994.608

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5119	5171	4677
MSGENCO Hydro	726	426	137
MSGENCO Gas	414	410	432
MSGENCO Total Generation	6259	6007	5246
Central Sector Receipt	5560	5144	3672
WIND	160	119	318
CPP / IPP	1711	1716	1542
Exchange with Mumbai	-422	-340	-118
MSEDCL DEMAND MET	13315	12646	10660
Load Shedding	793	522	31
MSEDCL DEMAND	14108	13168	10691
TPCL GENERATION	1695	1636	904
R-INFRA GENERATION	529	528	392
TPCL+R-INFRA DEMAND	2646	2504	1414
STATE DEMAND MET	15961	15150	12074
STATE DEMAND	16754	15672	12105
Frequency (Hz)	49.89	49.85	50.30

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.5 Hz at 03.14 Hrs	49.54 Hz at 08.40 Hrs	49.98	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 03/Dec/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.19	9.79	145	113	140
Unit 7	2.80	9.15	155	80	135
Total	5.99	18.94			275
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.34	12.90	190	170	190
Unit 4	5.60	19.44	280	175	270
Unit 5	0.00	0.00	0	0	0
Total	9.94	32.34			460
Parli					
Unit 3	3.88	10.87	175	137	157
Unit 4	0.00	0.00	0	0	0
Unit 5	3.27	10.75	163	117	155
Unit 6	0.00	0.00	0	0	0
Unit 7	4.68	13.65	227	174	185
Total	11.83	35.27			497
Chandrapur					
Unit 1	3.64	10.69	156	145	155
Unit 2	3.53	4.09	170	114	120
Unit 3	4.85	14.33	207	193	200
Unit 4	4.83	14.16	203	199	200
Unit 5	10.27	30.30	450	360	425
Unit 6	10.85	31.59	465	405	450
Unit 7	9.92	29.61	449	381	400
Total	47.89	134.76			1950
Paras					
Unit 3	4.98	15.81	260	157	210
Unit 4	5.25	15.89	260	159	210
Total	10.23	31.71			420
Khaparkheda					
Unit 1	3.67	11.93	175	130	166
Unit 2	3.62	11.40	165	135	155
Unit 3	3.58	11.35	160	129	156
Unit 4	3.75	11.98	175	127	160
Unit 5	9.22	26.35	443	304	310
Total	23.84	73.02			947
Nasik					
Unit 3	4.10	12.58	180	155	182
Unit 4	3.46	3.46	178	13	152
Unit 5	4.08	12.46	181	162	172
Total	11.63	28.51			506
Uran					
All Units	10.20	31.02	436	408	425
Total	10.20	31.02			425
PENCH (MS)					
Pench (MS)	0.35	1.02	50	0	
Total	0.35	1.02			
Koyna					
Stage 1-2	2.48	6.25	360	35	440
Stage 4	0.00	1.14	0	0	250
Stage 3	0.69	1.60	160	0	240
Kovna 12&4 Total	2.48	7.40			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.18	9.00			930
Hydro					
KDPH	0.00	0.16	0	0	19
VTRNA	0.00	0.50	0	0	0
TILLARI	0.26	0.79	59	0	60
BHTGR/VEER	0.07	0.19	3	3	4
BHIRA T.R.	0.16	0.55	40	0	40
RNGR+BHTSA	0.40	1.18	17	16	15
BHANDARDRA	0.77	2.27	32	32	31
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.14	3.42	55	45	9
GHATGHAR	1.89	5.20	240	0	0
Total	4.68	14.27			178
Wind					
MalharPeth	0.48	0.66			
Vankuswadi	0.67	0.97			
ATIT	0.20	0.22			
Kale	0.26	0.35			
Satara	0.64	1.31			
Shirala	0.51	0.56			
K Mahankal	0.47	0.49			
Supa	0.18	0.25			
Vita	0.95	1.58			
Dondaicha	0.69	2.04			
Sakri	0.04	0.16			
Nandurbar	0.10	0.21			
Khandke	0.42	0.98			
Khaparale	0.21	0.31			
Total	5.84	10.09			
CPP					
JSW JAIGAD	20.86	58.53	907	735	825
WARDHA	8.86	26.59	372	367	370
Adani	0.00	0.00	0	0	
Other CPPs	10.55	31.47			
Total	40.27	116.60			1195
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.63	27.35	504	286	500
Trombay 6	6.09	15.20	449	156	500
Trombay 7A	2.97	9.08	129	116	120
Trombay 7B	1.65	4.99	70	65	60
Trombay 8	5.65	16.73	253	195	250
TATA Hydro	4.22	8.46	306	0	318
Total	30.21	81.82			1748
REL					
1&2	12.04	36.10	529	392	500
Total	12.04	36.10			500
Cent Sect					
Share					4688
Total					4688

MS PG CL	Thermal	121.34	354.55			5055
	Thml+Gas	131.54	385.57			5480
	Hydro	7.86	23.26			1108
	Total	139.40	408.83			6588
State Total		228.11	654.45			14719

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/Dec/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	4693	137	433	5263	145	1625	4050	4191	-298	-253	10971	12	10983	1535	12518	50.17
2	4704	137	432	5273	190	1569	3993	4122	-238	-175	10979	34	11013	1443	12456	50.19
3	4680	137	433	5250	250	1547	3946	3871	-214	-120	10798	31	10829	1415	12244	50.29
4	4677	137	432	5246	318	1542	3906	3672	-198	-118	10660	31	10691	1414	12105	50.30
5	4835	137	431	5403	295	1554	3822	3635	-200	-74	10813	34	10847	1327	12174	50.03
6	4951	137	433	5521	317	1671	4253	4092	-212	-94	11507	83	11590	1469	13059	49.92
7	5052	137	435	5624	344	1705	4896	4859	-267	-219	12313	211	12524	1623	14147	49.77
8	5039	137	435	5611	314	1702	4963	5474	-280	-275	12826	226	13052	1803	14855	49.79
9	5166	142	432	5740	286	1711	4961	5516	-256	-241	13012	681	13693	2047	15740	49.78
10	5152	542	423	6117	285	1707	5025	5361	-306	-322	13148	635	13783	2336	16119	49.84
11	5075	781	417	6273	229	1718	5272	5402	-394	-416	13253	643	13896	2575	16471	49.87
12	5119	726	414	6259	160	1711	5340	5560	-419	-422	13315	793	14108	2646	16754	49.89
13	5102	816	415	6333	127	1724	5180	5314	-412	-393	13151	897	14048	2597	16645	49.91
14	5172	619	415	6206	105	1710	5119	5339	-349	-332	13055	803	13858	2500	16358	49.96
15	5178	601	417	6196	81	1715	5112	5364	-344	-343	13013	709	13722	2507	16229	49.91
16	5174	676	408	6258	86	1716	5165	5359	-441	-358	13061	643	13704	2526	16230	49.92
17	5171	426	410	6007	119	1716	5176	5144	-356	-340	12646	522	13168	2504	15672	49.85
18	5197	266	415	5878	142	1714	4769	4522	-362	-344	11912	463	12375	2504	14879	49.88
19	5257	329	423	6009	224	1713	4958	4694	-427	-466	12221	203	12424	2590	15014	49.92
20	5247	255	422	5924	224	1711	4808	4478	-443	-492	11895	223	12118	2496	14614	49.95
21	5155	171	428	5754	270	1709	4457	4020	-443	-525	11274	189	11463	2360	13823	50.08
22	5241	136	428	5805	303	1710	4281	3533	-443	-596	10798	189	10987	2181	13168	50.16
23	5190	136	433	5759	443	1699	3900	3276	-392	-588	10589	35	10624	2010	12634	50.01
24	5116	141	436	5693	578	1671	3682	2953	-392	-479	10416	17	10433	1830	12263	50.18
MUs	121.34	7.86	10.20	139.40	5.84	40.27	111.03	109.75	-8.09	-7.98	287.63	8.31	295.93	50.24	346.17	49.98

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/Dec/2012

Position as on 6.30 Hrs of 04/Dec/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
Uran Unit A0	120	15/11/2012	23.56		Continued.	A/OH.	
Koyna Unit 5	80	20/11/2012	23.45		Continued.	To attend water leakage on servomotor, Outage on pressure shaft no.3 of unit	21/12/2012
Koyna Unit 6	75	21/11/2012	07.55		Continued.	Overhauling work of Spherical Valve.	21/12/2012
CPP WPCL U-3	135	26/11/2012	17.33		Continued.	Annual Shutdown.	
Parli Unit 4	210	28/11/2012	02.37		Continued.	W/DN due to water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
CPP JSW (J) U4	300	30/11/2012	23.32		Continued.	Planned shutdown A.M.	
FORCED OUTAGE							
Tata TATA Hydro	444	05/09/2012	03:30		Continued.	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.	31/12/2012
Dabhol 2B	230	18/09/2012	18.42		Continued.	Gas shortage.	
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	ID Fan Problem	
Dabhol 3B	230	28/10/2012	12.43		Continued.	Gas Shortage	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
Parli Unit 6	250	07/11/2012	09.57		Continued.	Flame Failure.	
CPP Adani	660	09/11/2012	19.16		Continued.	Tripped due to Tripping of 400KV Wardha-Warora-I.	
Uran Unit 5	108	19/11/2012	23.55		Continued.	Gas Shortage	
Bhusawal Unit 5	500	25/11/2012	07.32		Continued.	Coal Shortage	
Nasik Unit 4	210	30/11/2012	14.50	03/12/2012	00.15	Boiler tube leakage.	
Dabhol 3X	290	03/12/2012	21.21		Continued.	Gas Shortage	
Dabhol 3A	230	03/12/2012	21.23		Continued.	Gas Shortage	

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

Position as on 6.30 Hrs of 04/Dec/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule - S'Sarovar- II	29/11/2012	09.56		Continued.	Opportunity outage,.Ready for charging 18.00 Hrs.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur-I	04/11/2012	09.53		Continued.	Mumbai Strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Tillary-Amona	03/12/2012	08.45	03/12/2012	18.40	Replacement of Insulator
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur(PGCIL)-I	17/11/2012	11.09		Continued.	Over Voltage
Kolhapur - Mapusa - II	27/11/2012	15.53		Continued.	Over Voltage.
Wardha - Akola - I	03/12/2012	22.34		Continued.	Over Voltage
Seoni - Wardha - I 765KV	03/12/2012	22.34		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	18/11/2012	11.19		Continued.	To control Wardha-Yawatmal Loading
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	09/11/2012	19.16		Continued.	Tripped due to Warora-Wardha(PG)-I on O/V.(Isolator problem at Tiroda)
Seoni-Wardha-II 765KV.	29/11/2012	21.06	03/12/2012	09.12	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Revamping Work of ICT-1.
400/220 KV 600 MVA ICT - IV @ Padgha	02/12/2012	10.10	03/12/2012	13.45	Fire Wall work
New Koyna - Stage IV	03/12/2012	09.41	03/12/2012	17.27	Tan Delta Measurement(Taken on TBC)
400/220KV 500 MVA ICT I at Kalwa	03/12/2012	10.30	03/12/2012	13.57	To remove Earth Isolator by Hot Line(Taken on TBC)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kharghar - Kalwa	19/10/2012	08.55		Continued.	Mumbai Strengthening work
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
220/132 KV 100 MVA T/F - 6 @ Chinchwad	12/11/2012	11.42		Continued.	Newly Charged & Kept on Humming(In Place of 220/132KV 50 MVA) Which Was Out From 12.10.12).
220/110KV, 200MVA T/F-III at Mudshingi	27/11/2012	10.30		Continued.	Removing Leakage.
Trombay - Tifil	02/12/2012	08.19		Continued.	Mumbai Strengthening work(Till 30/12/2012)
Uran - Kharghar - I	03/12/2012	07.26		Continued.	Diversion of 220KV Uran-Kharghar D/C(UPto 10/12/2012)
220/132 KV 150 MVA ICT-II @ Akola.	03/12/2012	07.41		Continued.	Replacement of 150MVA ICT-II by New 200MVA
Uran-Kharghar-II	03/12/2012	07.42		Continued.	Diversion of 220KV Uran-Kharghar D/C(UPto 10/12/2012)
Chandrapur MIDC-Gadhchandur-Matardevi	03/12/2012	10.30	03/12/2012	18.54	Measurement of Tan Delta of CTs
Voltage Level : 400KV			Outage Type HAND TRIPPED		

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

Position as on 6.30 Hrs of 04/Dec/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz Alarm. Proposed for Repairs.
Karad - Kolhapur - II	01/12/2012	17.00		Continued.	Over Voltage.
Bhusawal- Aurangabad	02/12/2012	19.08		Continued.	Over Voltage
Karad - Kolhapur - I	02/12/2012	20.05	03/12/2012	07.45	Over Voltage
Lonikand- Koyna Stage IV	02/12/2012	21.56	03/12/2012	06.19	Over Voltage
Karad - Kolhapur - I	03/12/2012	20.16	04/12/2012	06.30	Over Voltage
Lonikand- Koyna Stage IV	03/12/2012	21.50	04/12/2012	06.31	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated. Declared Faulty by Genco. Sent for Repairs.
Voltage Level : 220KV			Outage Type TRIPPED		
Apta-Bombay Dyeing	04/12/2012	04.40	04/12/2012	06.03	R Phase P.T.Burst at B'Dying
Sahara-B'dying	04/12/2012	04.40	04/12/2012	06.10	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Amravati - Lalkhedi	03/12/2012	10.55	03/12/2012	11.02	B Phase Over Current
Waghala - Kandhar	03/12/2012	19.46	03/12/2012	21.29	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Dec/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	125
Unit 7	210	125
	620	250
Bhusawal		
Unit 2	210	
Unit 3	210	175
Unit 4	500	350
Unit 5	500	
	1420	525
Parli		
Unit 3	210	150
Unit 4	210	0
Unit 5	210	140
Unit 6	250	0
Unit 7	250	170
	1130	460
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	200
Unit 4	210	200
Unit 5	500	410
Unit 6	500	440
Unit 7	500	410
	2340	1970
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	500	350
	1340	990
Nasik		
Unit 3	210	170
Unit 4	210	190
Unit 5	210	190
	630	550
Uran		
All Units	852	430
	852	430
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	440
Stage 4	1000	250
Stage 3	320	240
	1920	930
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	32
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	
	611	161
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	614
WARDHA	405	372
Adani	660	
Other CPPs	0	
	1665	986
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	318
	2024	1748
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4689
	3455	4689