



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Dec/2012

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.845	233.206	1) Gujrat	9.768	20.811
2) Hydro	7.204	15.402	2) Madhya Pradesh	15.082	30.970
3) Gas	10.394	20.820	3) Chattisgarh	12.020	23.990
Total MSGENCO	134.443	269.428	4) Maharashtra	65.844	134.859
B) 1) JSW JAIGAD	18.921	37.663	5) Goa	-5.220	-10.708
2) WPCL	8.868	17.735	6) TAPS 1&2 Injection	3.564	7.135
3) ADANI	0.000	0.000	7) RGPPL Injection	11.935	24.029
4) Other CPP / IPP	11.243	20.927	8) Pench (Excess)	-0.314	-0.669
5) Wind Generation	2.912	4.253	# Total Cent. Sector	112.679	230.417
6) PENCH (MS)	0.314	0.669	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-6.279	-11.969
1) TPCL Thermal	22.128	47.360	G) Bilateral Power *		
2) TPCL Hydro	0.373	4.244	1) MSEDCL Bilateral	33.146	67.254
TOTAL TPCL	22.501	51.604	Include PX	0.000	0.000
3) REL Thermal	12.030	24.056	2) MUMBAI Bilateral	7.229	15.332
D) STATE			Include PX	-2.517	-3.739
1) Thermal (A1+C1+C3)	151.003	304.622	3) MUMBAI Schedule	7.229	15.332
2) Hydro (A2+B5+C2)	7.891	20.315	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.394	20.820	1) MSEDCL	283.101	569.123
4) Wind (B4)	2.912	4.253	2) TPCL	27.281	58.586
5) CPP (B1+B2+B3)	39.032	76.325	3) REL	13.529	29.040
TOTAL STATE	211.232	426.335	TOTAL STATE	323.911	656.749

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	4878	4812	4705
MSGENCO Hydro	940	226	144
MSGENCO Gas	424	414	450
MSGENCO Total Generation	6242	5452	5299
Central Sector Receipt	5336	5352	3753
WIND	61	63	136
CPP / IPP	1702	1688	1503
Exchange with Mumbai	-220	-241	-111
MSEDCL DEMAND MET	13145	12314	10580
Load Shedding	839	553	38
MSEDCL DEMAND	13984	12867	10618
TPCL GENERATION	1114	974	835
R-INFRA GENERATION	529	529	391
TPCL+R-INFRA DEMAND	1863	1744	1337
STATE DEMAND MET	15008	14058	11917
STATE DEMAND	15847	14611	11955
Frequency (Hz)	49.98	50.12	50.37

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.53 Hz at 02:52 Hrs	49.58 Hz at 08:37 Hrs	50.09	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 02/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	3.27	6.60	143	120	120
Unit 7	3.04	6.36	150	100	135
Total	6.32	12.95			255
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.34	8.56	195	170	180
Unit 4	6.24	13.85	355	215	350
Unit 5	0.00	0.00	0	0	0
Total	10.57	22.41			530
Parli					
Unit 3	3.71	6.99	172	129	160
Unit 4	0.00	0.00	0	0	0
Unit 5	3.78	7.49	175	135	165
Unit 6	0.00	0.00	0	0	0
Unit 7	4.55	8.97	208	152	175
Total	12.04	23.44			500
Chandrapur					
Unit 1	3.42	7.05	153	130	135
Unit 2	0.56	0.56	113	0	0
Unit 3	4.69	9.48	205	170	200
Unit 4	4.69	9.33	205	183	200
Unit 5	10.16	20.02	455	355	450
Unit 6	10.51	20.74	465	340	450
Unit 7	10.10	19.68	455	350	450
Total	44.13	86.87			1885
Paras					
Unit 3	5.27	10.83	245	167	250
Unit 4	5.15	10.64	252	135	250
Total	10.42	21.48			500
Khaparkheda					
Unit 1	4.04	8.26	205	160	160
Unit 2	3.81	7.78	170	143	160
Unit 3	3.84	7.77	164	150	160
Unit 4	4.02	8.23	184	161	160
Unit 5	9.66	17.13	475	303	350
Total	25.38	49.17			990
Nasik					
Unit 3	3.95	8.48	175	150	200
Unit 4	0.00	0.00	0	0	0
Unit 5	4.04	8.39	181	157	190
Total	7.99	16.87			390
Uran					
All Units	10.39	20.82	450	413	430
Total	10.39	20.82			430
PENCH (MS)					
Pench (MS)	0.31	0.67	45	0	0
Total	0.31	0.67			0
Koyna					
Stage 1-2	1.40	3.76	150	40	440
Stage 4	0.68	1.14	260	0	250
Stage 3	0.52	0.91	160	0	240
Kovna 12&4 Total	2.07	4.91			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.60	5.82			930
Hydro					
KDPH	0.00	0.16	0	0	20
VTRNA	0.12	0.50	60	0	60
TILLARI	0.26	0.53	61	0	60
BHTGR/VEER	0.06	0.12	3	2	4
BHIRA T.R.	0.24	0.39	41	0	80
RNGR+BHTSA	0.40	0.79	17	16	14
BHANDARDRA	0.79	1.50	33	32	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.14	2.28	53	45	20
GHATGHAR	1.60	3.31	240	0	0
Total	4.61	9.58			278
Wind					
MalharPeth	0.10	0.18			
Vankuswadi	0.15	0.30			
ATIT	0.01	0.02			
Kale	0.06	0.08			
Satara	0.46	0.67			
Shirala	0.04	0.05			
K Mahankal	0.02	0.02			
Supa	0.06	0.07			
Vita	0.42	0.64			
Dondaicha	0.97	1.35			
Sakri	0.07	0.11			
Nandurbar	0.07	0.11			
Khandke	0.47	0.55			
Khaparale	0.03	0.11			
Total	2.91	4.25			
CPP					
JSW JAIGAD	18.92	37.66	874	434	850
WARDHA	8.87	17.74	373	362	380
Adani	0.00	0.00	0	0	
Other CPPs	11.24	20.93			
Total	39.03	76.32			1230
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.23	17.72	491	283	500
Trombay 6	3.76	9.11	158	156	500
Trombay 7A	3.04	6.11	131	123	120
Trombay 7B	1.67	3.34	70	69	60
Trombay 8	5.42	11.08	250	194	250
TATA Hydro	0.37	4.24	119	0	318
Total	22.50	51.60			1748
REL					
1&2	12.03	24.06	530	391	500
Total	12.03	24.06			500
Cent Sect					
Share					5319
Total					5319

MS PG CL	Thermal	116.84	233.21			5050
	Thml+Gas	127.24	254.03			5480
	Hydro	7.20	15.40			1208
	Total	134.44	269.43			6688
State Total		211.23	426.34			15485

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	5028	199	450	5677	152	1274	3966	4075	-306	-347	10831	9	10840	1604	12444	50.12
2	4824	199	450	5473	140	1334	3955	3957	-247	-227	10677	38	10715	1457	12172	50.18
3	4711	144	450	5305	145	1408	3936	3983	-228	-156	10685	38	10723	1386	12109	50.34
4	4705	144	450	5299	136	1503	3882	3753	-222	-111	10580	38	10618	1337	11955	50.37
5	4728	139	450	5317	119	1548	3881	3799	-221	-93	10690	41	10731	1329	12060	50.22
6	4905	149	450	5504	188	1620	4490	4114	-222	-43	11383	105	11488	1398	12886	50.07
7	5020	144	450	5614	219	1635	5095	4498	-249	-74	11892	223	12115	1437	13552	50.06
8	5000	174	450	5624	247	1629	5165	5264	-254	-120	12644	353	12997	1487	14484	49.95
9	5016	244	442	5702	207	1654	5073	5289	-228	-164	12688	730	13418	1607	15025	49.90
10	5056	524	432	6012	172	1687	5206	5223	-196	-164	12938	727	13665	1743	15408	49.92
11	4990	874	422	6286	114	1696	5231	5453	-329	-237	13335	655	13990	1820	15810	49.97
12	4878	940	424	6242	61	1702	5167	5336	-288	-220	13145	839	13984	1863	15847	49.98
13	4815	667	422	5904	38	1700	5400	5415	-286	-240	12840	961	13801	1875	15676	49.90
14	4903	464	429	5796	14	1698	5444	5331	-327	-287	12575	877	13452	1813	15265	50.07
15	4918	386	419	5723	26	1699	5452	5547	-342	-279	12723	771	13494	1770	15264	50.15
16	4863	352	413	5628	41	1698	5461	5564	-322	-231	12700	677	13377	1731	15108	50.06
17	4812	226	414	5452	63	1688	5556	5352	-248	-241	12314	553	12867	1744	14611	50.12
18	4848	140	415	5403	71	1672	4879	4763	-221	-204	11726	362	12088	1792	13880	50.09
19	4871	240	424	5535	97	1678	5143	4989	-426	-369	11975	169	12144	1960	14104	50.12
20	4898	241	423	5562	122	1685	5280	4498	-422	-413	11499	211	11710	2042	13752	50.01
21	4884	204	426	5514	140	1710	4683	4297	-442	-619	11086	196	11282	2034	13316	50.09
22	4836	135	427	5398	157	1706	4628	3887	-442	-568	10604	189	10793	1966	12759	50.16
23	4739	135	431	5305	139	1701	4267	4189	-373	-478	10880	32	10912	1856	12768	50.06
24	4597	140	431	5168	104	1707	4035	4103	-391	-394	10691	13	10704	1759	12463	50.16
MUs	116.84	7.20	10.39	134.44	2.91	39.03	115.28	112.68	-7.23	-6.28	283.10	8.81	291.91	40.81	332.72	50.09

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/Dec/2012

Position as on 6.30 Hrs of 03/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 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	
Chandrapur Unit 2	210	30/11/2012	08.22	02/12/2012	16.25	Boiler tube leakage.	
Nasik Unit 4	210	30/11/2012	14.50	03/12/2012	00.15	Boiler tube leakage.	
CPP JSW (J) U3	300	01/12/2012	17.14	02/12/2012	01.00	Turbine oil leakage.	

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

Position as on 6.30 Hrs of 03/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
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.
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		Continued.	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		Continued.	Fire Wall
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa - Khargar	19/10/2012	08.55	02/12/2012	14.37	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-Khargar	01/12/2012	16.33	02/12/2012	14.58	Mumbai Strengthening work
A Bus @ Boiser	01/12/2012	17.30	02/12/2012	17.40	P.T.Replacement work
Chakan - Bhosari	01/12/2012	23.20	02/12/2012	03.42	R ph. CT replacement.
Kalwa-Mulund-I	02/12/2012	08.15	02/12/2012	17.35	Replacement of 29C Isolator
Trombay - Tifil	02/12/2012	08.19		Continued.	Mumbai Strengthening work(Till 30/12/2012)
Kalwa - Tifil	02/12/2012	14.37	02/12/2012	14.38	Newly Charged
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz Alarm. Proposed for Repairs.
Bhusawal- Aurangabad	26/11/2012	17.57	02/12/2012	07.05	Over Voltage
Karad - Kolhapur - II	01/12/2012	17.00		Continued.	Over Voltage.
Karad - Kolhapur - I	01/12/2012	20.46	02/12/2012	07.00	Over Voltage.
Lonikand- Koyna Stage IV	01/12/2012	21.40	02/12/2012	07.32	Over Voltage.
Bhusawal- Aurangabad	02/12/2012	19.08		Continued.	Over Voltage
Karad - Kolhapur - I	02/12/2012	20.05		Continued.	Over Voltage

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

Position as on 6.30 Hrs of 03/Dec/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand- Koyana Stage IV	02/12/2012	21.56	03/12/2012	06.19	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.
Padghe-BBLSR-I	02/12/2012	02.46	02/12/2012	07.07	Over Voltage.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa - Washi	02/12/2012	17.46	02/12/2012	18.06	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Dec/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	135
	620	275
Bhusawal		
Unit 2	210	0
Unit 3	210	190
Unit 4	500	270
Unit 5	500	0
	1420	460
Parli		
Unit 3	210	157
Unit 4	210	0
Unit 5	210	155
Unit 6	250	0
Unit 7	250	185
	1130	497
Chandrapur		
Unit 1	210	155
Unit 2	210	120
Unit 3	210	200
Unit 4	210	200
Unit 5	500	425
Unit 6	500	450
Unit 7	500	400
	2340	1950
Paras		
Unit 3	250	210
Unit 4	250	210
	500	420
Khaparkheda		
Unit 1	210	166
Unit 2	210	155
Unit 3	210	156
Unit 4	210	160
Unit 5	500	310
	1340	947
Nasik		
Unit 3	210	182
Unit 4	210	152
Unit 5	210	172
	630	506
Uran		
All Units	852	425
	852	425
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	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	31
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	178
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	825
WARDHA	405	370
Adani	660	
Other CPPs	0	
	1665	1195
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	4688
	3455	4688