



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Nov/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Nov/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.601	417.970	1) Gujrat	10.310	41.889
2) Hydro	13.762	39.790	2) Madhya Pradesh	17.633	71.359
3) Gas	7.171	35.542	3) Chattisgarh	11.970	46.540
Total MSGENCO	128.534	493.302	4) Maharashtra	72.797	284.863
B) 1) JSW JAIGAD	25.913	106.499	5) Goa	-6.368	-26.321
2) WPCL	8.797	35.199	6) TAPS 1&2 Injection	3.831	15.256
3) ADANI	9.550	38.160	7) RGPPL Injection	12.017	50.460
4) Other CPP / IPP	6.871	30.350	8) Pench (Excess)	-0.526	-1.750
5) Wind Generation	1.444	20.981	# Total Cent. Sector	121.664	482.296
6) PENCH (MS)	0.526	2.409	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.461	-48.510
1) TPCL Thermal	24.876	106.585	G) Bilateral Power *		
2) TPCL Hydro	1.324	13.109	1) MSEDCL Bilateral	48.369	194.379
TOTAL TPCL	26.200	119.694	Include PX	1.375	2.367
3) REL Thermal	12.642	49.744	2) MUMBAI Bilateral	11.509	51.730
D) STATE			Include PX	-0.091	3.214
1) Thermal (A1+C1+C3)	145.119	574.299	3) MUMBAI Schedule	11.509	51.730
2) Hydro (A2+B5+C2)	15.612	55.308	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.171	35.542	1) MSEDCL	292.838	1160.686
4) Wind (B4)	1.444	20.981	2) TPCL	32.563	146.039
5) CPP (B1+B2+B3)	51.131	181.598	3) REL	16.749	71.915
TOTAL STATE	220.477	867.728	TOTAL STATE	342.150	1378.640

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4538	4485	4415
MSGENCO Hydro	1642	878	97
MSGENCO Gas	297	301	297
MSGENCO Total Generation	6477	5664	4809
Central Sector Receipt	5230	5270	4746
WIND	18	106	34
CPP / IPP	2258	2012	2071
Exchange with Mumbai	-471	-557	-383
MSEDCL DEMAND MET	13537	12542	11277
Load Shedding	749	441	223
MSEDCL DEMAND	14286	12983	11500
TPCL GENERATION	1184	1212	834
R-INFRA GENERATION	528	526	527
TPCL+R-INFRA DEMAND	2183	2295	1744
STATE DEMAND MET	15720	14837	13021
STATE DEMAND	16469	15278	13244
Frequency (Hz)	50.09	50.03	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.44 Hz at 17.02 Hrs	49.51 Hz at 00.04 Hrs	50.01	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 04/Nov/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	3.32	13.85	154	120	140
Unit 7	3.64	4.51	165	140	150
Total	6.96	18.35			290
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.82	14.66	170	145	170
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	3.82	14.66			170
Parli					
Unit 3	0.00	6.99	0	0	0
Unit 4	3.56	14.23	158	137	145
Unit 5	0.00	0.00	0	0	0
Unit 6	3.96	15.27	186	123	160
Unit 7	4.08	15.59	191	158	170
Total	11.60	52.08			475
Chandrapur					
Unit 1	3.30	11.99	150	110	160
Unit 2	2.99	12.12	155	72	140
Unit 3	4.16	5.84	191	114	190
Unit 4	4.17	17.36	189	104	190
Unit 5	8.80	38.05	405	340	360
Unit 6	9.47	39.48	435	330	350
Unit 7	7.21	32.22	380	240	300
Total	40.11	157.06			1690
Paras					
Unit 3	4.67	19.60	206	184	250
Unit 4	4.89	20.22	222	190	250
Total	9.56	39.81			500
Khaparkheda					
Unit 1	3.65	15.25	175	100	160
Unit 2	4.07	17.09	190	160	160
Unit 3	4.17	18.01	193	156	170
Unit 4	4.06	16.82	179	156	170
Unit 5	7.14	24.59	339	256	300
Total	23.09	91.76			960
Nasik					
Unit 3	4.16	16.57	190	155	190
Unit 4	4.04	16.35	180	154	190
Unit 5	4.26	11.33	188	169	190
Total	12.46	44.24			570
Uran					
All Units	7.17	35.54	308	294	300
Total	7.17	35.54			300
PENCH (MS)					
Pench (MS)	0.53	2.41	51	0	
Total	0.53	2.41			
Koyna					
Stage 1-2	4.48	12.84	415	40	600
Stage 4	5.04	10.94	763	0	250
Stage 3	1.96	5.35	240	0	320
Kovna 12&4 Total	9.53	23.78			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.49	29.13			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.29	1.04	62	0	60
BHTGR/VEER	0.05	0.10	2	2	0
BHIRA T.R.	0.22	0.90	71	0	80
RNGR+BHTSA	0.37	1.47	16	15	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.79	2.44	41	30	11
GHATGHAR	0.56	4.70	120	0	0
Total	2.27	10.66			166
Wind					
MalharPeth	0.15	1.18			
Vankuswadi	0.16	2.14			
ATIT	0.02	0.32			
Kale	0.04	0.72			
Satara	0.04	5.28			
Shirala	0.09	1.11			
K Mahankal	0.12	0.23			
Supa	0.07	0.65			
Vita	0.23	3.49			
Dondaicha	0.27	2.98			
Sakri	0.02	0.38			
Nandurbar	0.02	0.20			
Khandke	0.15	1.46			
Khaparale	0.05	0.86			
Total	1.44	20.98			
CPP					
JSW JAIGAD	25.91	106.50	1201	898	1088
WARDHA	8.80	35.20	452	276	366
Adani	9.55	38.16	410	390	
Other CPPs	6.87	30.35			
Total	51.13	210.21			1454
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.69	43.34	501	290	500
Trombay 6	3.79	23.67	160	156	500
Trombay 7A	2.94	11.77	125	120	120
Trombay 7B	1.64	6.56	69	68	60
Trombay 8	5.81	21.25	253	194	250
TATA Hydro	1.32	13.11	177	0	315
Total	26.20	119.69			1745
REL					
1&2	12.64	49.74	529	524	500
Total	12.64	49.74			500
Cent Sect					
Share					5266
Total					5266

MS PG CL	Thermal	107.60	417.97			4655
	Thml+Gas	114.77	453.51			4955
	Hydro	13.76	39.79			1336
	Total	128.53	493.30			6291
State Total		220.48	867.73			15256

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/Nov/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	4528	427	296	5251	75	2072	4748	4743	-498	-540	11601	137	11738	2109	13847	49.89
2	4423	192	297	4912	66	2081	4737	4818	-487	-536	11358	198	11556	1932	13488	50.01
3	4461	122	298	4881	53	2068	4688	4741	-433	-458	11310	212	11522	1823	13345	49.95
4	4415	97	297	4809	34	2071	4660	4746	-404	-383	11277	223	11500	1744	13244	50.02
5	4430	217	298	4945	28	2075	4638	4726	-383	-336	11438	251	11689	1710	13399	49.90
6	4506	427	297	5230	22	2068	4643	4795	-376	-212	11903	400	12303	1753	14056	50.02
7	4574	127	298	4999	48	2086	5138	5046	-396	-199	11980	811	12791	1765	14556	50.00
8	4564	410	296	5270	26	2103	5142	5170	-401	-150	12432	815	13247	1773	15020	49.92
9	4562	548	296	5406	18	2214	5063	4930	-321	-188	12405	826	13231	1842	15073	49.92
10	4536	1065	294	5895	42	2239	5106	5176	-380	-322	13055	623	13678	1994	15672	50.05
11	4555	1359	300	6214	22	2252	5422	5304	-485	-432	13385	536	13921	2124	16045	50.04
12	4538	1642	297	6477	18	2258	5446	5230	-515	-471	13537	749	14286	2183	16469	50.09
13	4566	1109	297	5972	24	2257	5459	5326	-518	-471	13134	869	14003	2205	16208	49.95
14	4476	1021	295	5792	31	2254	5456	5393	-518	-476	13020	782	13802	2163	15965	50.06
15	4558	888	294	5740	39	2259	5455	5584	-518	-495	13152	680	13832	2158	15990	50.02
16	4497	1001	301	5799	41	2264	5457	5572	-518	-518	13183	579	13762	2141	15903	49.98
17	4481	829	303	5613	52	1872	5553	5498	-493	-499	12560	478	13038	2119	15157	50.02
18	4503	629	300	5432	54	2049	4959	4882	-419	-411	12029	487	12516	2120	14636	50.07
19	4485	878	301	5664	106	2012	5215	5270	-533	-557	12542	441	12983	2295	15278	50.03
20	4541	378	302	5221	113	2044	5384	5084	-578	-560	11942	650	12592	2330	14922	50.03
21	4379	104	308	4791	123	2070	5315	5094	-562	-571	11532	600	12132	2327	14459	50.15
22	4313	94	305	4712	130	2096	5189	4919	-569	-575	11333	576	11909	2305	14214	50.08
23	4325	89	300	4714	149	2178	4971	4908	-608	-552	11446	221	11667	2240	13907	50.08
24	4385	109	301	4795	130	2189	4719	4709	-595	-549	11284	159	11443	2148	13591	50.07
MUs	107.60	13.76	7.17	128.53	1.44	51.13	122.56	121.66	-11.51	-10.46	292.84	12.30	305.14	49.30	354.44	50.01

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 04/Nov/2012

Position as on 6.30 Hrs of 05/Nov/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.	
Parli Unit 5	210	06/09/2012	04.20		Continued.	Flame failure,converted to C.O.H from 15.09.2012(intimated on	05/11/2012
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
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.	
Bhusawal Unit 5	500	29/09/2012	23.17		Continued.	B.T.G. & D.O.P. Work.	
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
CPP WPCL U-2	135	17/10/2012	00.23		Continued.	Bottom ash problem.	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	ID Fan Problem	
Dabhol 3B	230	26/10/2012	00.49		Continued.	Gas shortage.	
Uran Unit 7	108	26/10/2012	13.26		Continued.	Gas Shortage	
Bhusawal Unit 4	500	29/10/2012	17.59		Continued.	Class A Protection Operated.	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
Parli Unit 3	210	03/11/2012	01.02		Continued.	AC supply failure.	
Uran Unit B0	120	03/11/2012	18.47		Continued.	Gas Shortage	
Uran Unit 8	108	03/11/2012	18.58		Continued.	Gas Shortage	
CPP JSW (J) U4	300	04/11/2012	16.04	04/11/2012	18.52	Turbine Vibration	
Chandrapur Unit 1	210	05/11/2012	02.37		Continued.	Differential Protection	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Nov/2012

Position as on 6.30 Hrs of 05/Nov/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-I	04/11/2012	09.53		Continued.	Mumbai Strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Boiser - Tarapur - II	04/11/2012	18.17	04/11/2012	18.18	After New arrangement
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	31/10/2012	15.47		Continued.	Over Voltage.
Kolhapur - Mapusa - II	01/11/2012	16.41		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220KV,200MVA Spare ICT at Kalwa.	22/08/2012	09.57		Continued.	Replacement of Isolator
Koradi - Indiabull (Nandgaonpeth)	02/11/2012	06.25	04/11/2012	10.10	Stringing work of 400KV D/C Koradi-Wardha-II line.
Kalwa - Lonikand	03/11/2012	06.34		Continued.	LILO work at 400KV Talegaon(PG)
Main Bus- II @ Babaleshwar	03/11/2012	11.00		Continued.	Servicing of 29PG Isolator
400/220 KV 300 MVA ICT-I @ Koradi	03/11/2012	16.19	04/11/2012	18.48	C.T.Leakage
80 MVAR Bus Reactor @ Padgha	04/11/2012	11.06	04/11/2012	21.55	400KV B Bus PG Isolator Mechanical problem
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Kalwa - Khargar	19/10/2012	08.55		Continued.	Mumbai Strengthening work
Mahape - Siemens	19/10/2012	10.09		Continued.	Mumbai Strengthening work
Lonand - Bothe (Surwadi)	27/10/2012	10.02		Continued.	220KV Peripheral unit Configuration
Pedambe-Tambati	02/11/2012	06.53		Continued.	For making arrangement to shift existing line and increasing height.
Nagothane - ACCIL	02/11/2012	07.36		Continued.	For making arrangement to shift existing line and increasing height.
220/100 KV 200 MVA ICT-IV @ Apta	03/11/2012	09.16	03/11/2012	Continued.	Oil Filtration
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Borivali - Ghodbandar - II	04/11/2012	17.42	04/11/2012	17.43	After New arrangement, Mumbai Strengthening work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
TBC AT 400KV Bhusawal-II	01/11/2012	09.14		Continued.	For overhauling of 132KV Ckt.Bkr.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Borivali(T)-Borivali(M)-I	04/11/2012	10.50	04/11/2012	15.33	Closer application
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Bhusawal- Aurangabad	01/11/2012	16.42		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	01/11/2012	17.07		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Nov/2012

Position as on 6.30 Hrs of 05/Nov/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Khadka-Deepnagar-I	01/11/2012	18.22		Continued.	For replacement of damaged PLCC card and carrier received relay(ready for charging 2-11-2012 at 17.18Hrs)
Karad - Kolhapur - I	03/11/2012	16.43	04/11/2012	09.21	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Kanhan - Mouda	30/10/2012	13.25	04/11/2012	14.45	For Outage work.
Bhandara-Mouda	30/10/2012	13.38	04/11/2012	14.48	For Outage work.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT-II @ Dhule	04/08/2012	17.21		Continued.	B Ph. H V Side ICT-II Bushing Burst.
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated.
Karad - Kolhapur - II	03/11/2012	23.02		Continued.	Over Voltage
Voltage Level : 132KV			Outage Type TRIPPED		
132/11 KV 16 MVA T/F - I @ Nanded	07/10/2012	04.25		Continued.	Caught Fired.
Tiwsa-Talegaon Ckt.	24/10/2012	10.52		Continued.	B-Ph CT Burst.
Paranda-Bhoom	04/11/2012	01.01		Continued.	Distance protection
Pusad - Digras	04/11/2012	15.26	04/11/2012	15.31	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Nov/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	120
Unit 7	210	130
	620	250
Bhusawal		
Unit 2	210	0
Unit 3	210	170
Unit 4	500	0
Unit 5	500	0
	1420	170
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	0
Unit 6	250	170
Unit 7	250	164
	1130	484
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	170
Unit 4	210	190
Unit 5	500	410
Unit 6	500	400
Unit 7	500	400
	2340	1710
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	180
Unit 4	210	180
Unit 5	500	300
	1340	1000
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	300
	852	300
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	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	166
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	1089
WARDHA	405	366
Adani	660	
Other CPPs	0	
	1665	1455
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	317
	2024	1747
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5134
	3455	5134