



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Nov/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Nov/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.888	969.887	1) Gujrat	10.175	96.992
2) Hydro	10.238	106.831	2) Madhya Pradesh	19.987	173.199
3) Gas	8.775	73.647	3) Chattisgarh	12.560	111.750
Total MSGENCO	131.901	1150.365	4) Maharashtra	73.897	653.828
B) 1) JSW JAIGAD	27.590	246.298	5) Goa	-6.467	-59.202
2) WPCL	5.872	67.088	6) TAPS 1&2 Injection	3.720	33.978
3) ADANI	6.900	81.500	7) RGPPL Injection	11.967	111.397
4) Other CPP / IPP	7.231	67.753	8) Pench (Excess)	-0.952	-5.693
5) Wind Generation	1.130	28.130	# Total Cent. Sector	124.887	1116.249
6) PENCH (MS)	0.952	6.352	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.845	-101.307
1) TPCL Thermal	28.368	252.315	G) Bilateral Power *		
2) TPCL Hydro	4.573	35.125	1) MSEDCL Bilateral	48.618	449.365
TOTAL TPCL	32.941	287.440	Include PX	3.237	27.878
3) REL Thermal	12.432	112.491	2) MUMBAI Bilateral	12.818	120.815
D) STATE			Include PX	3.840	24.262
1) Thermal (A1+C1+C3)	153.688	1334.693	3) MUMBAI Schedule	12.818	120.815
2) Hydro (A2+B5+C2)	15.763	148.308	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.775	73.647	1) MSEDCL	296.618	2662.428
4) Wind (B4)	1.130	28.130	2) TPCL	37.311	336.912
5) CPP (B1+B2+B3)	47.593	388.039	3) REL	17.906	164.324
TOTAL STATE	226.949	1972.817	TOTAL STATE	351.835	3163.664

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	4479	4614	4842
MSGENCO Hydro	1414	182	84
MSGENCO Gas	298	361	331
MSGENCO Total Generation	6191	5157	5257
Central Sector Receipt	5693	5730	4405
WIND	44	52	35
CPP / IPP	2123	2483	1846
Exchange with Mumbai	-623	-596	-280
MSEDCL DEMAND MET	13478	12826	11289
Load Shedding	796	478	143
MSEDCL DEMAND	14274	13304	11432
TPCL GENERATION	1651	1657	832
R-INFRA GENERATION	525	524	444
TPCL+R-INFRA DEMAND	2799	2777	1556
STATE DEMAND MET	16277	15603	12845
STATE DEMAND	17073	16081	12988
Frequency (Hz)	49.97	49.97	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 19:00 Hrs	49.5 Hz at 05:41 Hrs	49.99	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 09/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	3.02	29.52	155	110	150
Unit 7	3.30	21.45	152	115	150
Total	6.32	50.97			300
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.18	34.03	190	155	170
Unit 4	4.41	10.82	297	0	0
Unit 5	1.46	6.06	152	0	0
Total	10.06	50.90			170
Parli					
Unit 3	3.25	16.92	158	117	148
Unit 4	3.04	31.13	152	97	120
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	24.39	0	0	0
Unit 7	4.72	34.79	219	159	175
Total	11.00	107.22			443
Chandrapur					
Unit 1	3.42	26.31	154	129	160
Unit 2	3.44	29.65	162	115	150
Unit 3	4.68	27.79	204	167	200
Unit 4	4.66	39.51	198	184	200
Unit 5	9.56	85.62	435	355	410
Unit 6	10.32	88.86	475	380	460
Unit 7	9.09	76.29	408	335	400
Total	45.16	374.05			1980
Paras					
Unit 3	3.75	40.00	174	143	155
Unit 4	3.57	40.74	167	130	155
Total	7.32	80.74			310
Khaparkheda					
Unit 1	3.57	33.25	185	110	125
Unit 2	2.36	33.40	172	0	125
Unit 3	3.48	36.65	176	80	125
Unit 4	3.34	35.38	161	108	125
Unit 5	7.68	61.56	358	306	300
Total	20.43	200.24			800
Nasik					
Unit 3	4.12	37.09	190	155	190
Unit 4	4.23	37.10	191	160	190
Unit 5	4.25	31.57	197	165	190
Total	12.60	105.76			570
Uran					
All Units	8.78	73.65	467	298	300
Total	8.78	73.65			300
PENCH (MS)					
Pench (MS)	0.95	6.35	54	0	0
Total	0.95	6.35			0
Koyna					
Stage 1-2	3.67	33.66	485	40	600
Stage 4	2.36	36.17	405	0	250
Stage 3	1.71	15.24	316	0	320
Kovna 12&4 Total	6.02	69.84			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.74	85.08			1170
Hydro					
KDPH	0.31	0.31	20	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.30	2.46	59	0	60
BHTGR/VEER	0.37	0.93	16	15	2
BHIRA T.R.	0.25	2.04	78	0	80
RNGR+BHTSA	0.40	3.37	17	16	16
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.31	4.74	19	10	15
GHATGHAR	0.56	7.90	125	0	0
Total	2.50	21.76			173
Wind					
MalharPeth	0.09	1.72			
Vankuswadi	0.14	2.98			
ATIT	0.01	0.38			
Kale	0.02	0.92			
Satara	0.23	5.89			
Shirala	0.01	1.31			
K Mahankal	0.00	0.82			
Supa	0.02	0.91			
Vita	0.17	4.12			
Dondaicha	0.30	4.62			
Sakri	0.03	0.55			
Nandurbar	0.02	0.32			
Khandke	0.01	2.33			
Khaparale	0.09	1.26			
Total	1.13	28.13			
CPP					
JSW JAIGAD	27.59	246.30	1205	1038	1095
WARDHA	5.87	67.09	248	241	243
Adani	6.90	81.50	700	0	
Other CPPs	7.23	67.75			
Total	47.59	462.64			1338
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.26	100.89	504	281	500
Trombay 6	6.58	59.36	458	158	500
Trombay 7A	2.98	26.54	128	120	120
Trombay 7B	1.65	14.78	69	68	60
Trombay 8	5.90	50.74	255	195	250
TATA Hydro	4.57	35.12	306	0	318
Total	32.94	287.44			1748
REL					
1&2	12.43	112.49	527	441	500
Total	12.43	112.49			500
Cent Sect					
Share					5460
Total					5460

MS PG CL	Thermal	112.89	969.89			4573
	Thml+Gas	121.66	1043.53			4873
	Hydro	10.24	106.83			1343
	Total	131.90	1150.36			6216
State Total		226.95	1972.82			15262

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/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	4922	198	327	5447	37	2087	4515	4540	-401	-286	11876	117	11993	1908	13901	49.94
2	4876	83	329	5288	33	1938	4431	4266	-315	-140	11436	139	11575	1739	13314	50.04
3	4891	84	330	5305	56	1930	4370	4257	-249	-187	11413	135	11548	1643	13191	49.95
4	4842	84	331	5257	35	1846	4431	4405	-298	-280	11289	143	11432	1556	12988	50.02
5	4863	94	333	5290	31	1878	4411	4504	-310	-229	11500	173	11673	1509	13182	49.92
6	4904	264	333	5501	39	1940	4641	4764	-240	-187	12083	297	12380	1738	14118	49.82
7	4831	269	334	5434	41	2078	5159	5116	-347	-110	12610	687	13297	1727	15024	49.86
8	4605	690	331	5626	44	2098	5198	5267	-361	-160	12926	854	13780	1856	15636	49.91
9	4680	757	321	5758	35	2094	5196	5142	-367	-204	12878	918	13796	2126	15922	49.93
10	4681	849	307	5837	39	2105	5385	5413	-576	-417	13027	714	13741	2490	16231	49.97
11	4615	1192	303	6110	44	2103	5559	5699	-720	-559	13448	625	14073	2739	16812	49.98
12	4479	1414	298	6191	44	2123	5660	5693	-822	-623	13478	796	14274	2799	17073	49.97
13	4426	882	319	5627	37	2110	5863	5880	-810	-612	13068	915	13983	2779	16762	49.98
14	4306	808	313	5427	23	2127	5804	5932	-720	-576	12956	801	13757	2742	16499	50.04
15	4264	722	366	5352	32	2113	5854	6059	-725	-615	12964	668	13632	2781	16413	50.01
16	4538	539	368	5445	61	1884	5912	6184	-730	-616	12981	565	13546	2781	16327	49.96
17	4614	182	361	5157	52	2483	5946	5730	-723	-596	12826	478	13304	2777	16081	49.97
18	4747	152	410	5309	60	2163	5233	5060	-626	-515	12087	467	12554	2749	15303	50.02
19	4847	281	452	5580	61	2156	5490	5425	-679	-604	12672	402	13074	2788	15862	50.10
20	4857	211	460	5528	45	1824	5648	5448	-644	-595	12300	244	12544	2723	15267	50.06
21	4834	124	460	5418	53	1745	5489	5336	-546	-520	12084	114	12198	2561	14759	50.09
22	4792	114	462	5368	75	1628	5402	4869	-558	-465	11527	97	11624	2371	13995	50.17
23	4772	105	460	5337	76	1571	5105	4978	-552	-424	11589	92	11681	2240	13921	50.05
24	4702	140	467	5309	77	1569	4809	4920	-496	-325	11600	75	11675	2096	13771	50.07
MUs	112.89	10.24	8.78	131.90	1.13	47.59	125.51	124.89	-12.82	-9.84	296.62	10.52	307.13	55.22	362.35	49.99

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 09/Nov/2012

Position as on 6.30 Hrs of 10/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	30/11/2012
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	10/11/2012
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.	
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	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
Uran Unit B0	120	03/11/2012	18.47	09/11/2012	17.17	Gas Shortage	
Uran Unit 8	108	03/11/2012	18.58	09/11/2012	11.41	Gas Shortage	
CPP WPCL U-4	135	05/11/2012	21.30		Continued.	Maintenance Work.	10/11/2012
Parli Unit 6	250	07/11/2012	09.57		Continued.	Flame Failure.	
Khaparkheda Unit 2	210	09/11/2012	07.30	09/11/2012	15.01	Furnace pressure high.	
Bhusawal Unit 4	500	09/11/2012	11.09	09/11/2012	15.06	Class A protection.	
Bhusawal Unit 5	500	09/11/2012	13.27		Continued.	Turbine vibration.	
CPP Adani	660	09/11/2012	19.16		Continued.	Tripped due to Tripping of 400KV Wardha-Warora-I.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Nov/2012

Position as on 6.30 Hrs of 10/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
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur(PGCIL)-I	06/11/2012	13.10	09/11/2012	12.08	Over Voltage.
Kolhapur - Mapusa - I	08/11/2012	19.41		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	09/11/2012	12.07		Continued.	Hand tripped.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	09/11/2012	05.22		Continued.	Over Voltage.
Warora - Tiroda - II	09/11/2012	19.16		Continued.	Tripped due to Warora-Wardha(PG)-I on O/V.
Wardha (PG) - Warora - I	09/11/2012	19.16	09/11/2012	20.43	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.
Main Bus- II @ Babaleshwar	03/11/2012	11.00	09/11/2012	17.16	Servicing of 29PG Isolator
80 MVAR Bus Reactor-I @ Babaleshwar	05/11/2012	11.03	09/11/2012	17.16	For Overhauling @ Servcing of 29B P G Isolator.
400/220 KV 315 MVA ICT - II @ Parli	08/11/2012	09.04	09/11/2012	02.35	Erection of Fire prot.scheme.
Main Bus-II @ Kolhapur	08/11/2012	10.41		Continued.	Maintenance work.
Padgha - Kharghar	09/11/2012	07.13		Continued.	Conductor replacement work.
400/220KV,105MVA spare ICT at Akola.	09/11/2012	11.05	09/11/2012	14.38	Hot line training.
400/220KV 315MVA ICT at Akola.	09/11/2012	11.35		Continued.	Transformer test to be carried out on R ph.Ready to take in service at 19.43 hrs.
Kalwa - Lonikand	09/11/2012	12.05	09/11/2012	14.25	To attend red hot spot.Taken on TBC
Koradi -Bhusawal	09/11/2012	12.16	10/11/2012	06.24	Repl.of faulty Y and B ph.isolator of Koradi bay.Ready for charging at 02.15 hrs.
Main Bus - II at Bhusawal	09/11/2012	12.17	10/11/2012	06.20	Repl. of faulty Y and B ph.isolator of M.B.-II
400/220KV 315MVA ICT-II @ Aurangabad.	09/11/2012	12.36	09/11/2012	18.36	Retrofitting of diff.relay.
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(Till 19.11.12)
Mahape - Siemens	19/10/2012	10.09		Continued.	Mumbai Strengthening work(Till 19.11.12)
220/100 KV 200 MVA ICT-IV @ Apta	03/11/2012	09.16	09/11/2012	07.51	Oil Filtration(Outage Till 10.11.12)
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
BBLSR-Chalisgaon	09/11/2012	09.16	09/11/2012	18.18	Vibration dumper fixing work.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Nov/2012

Position as on 6.30 Hrs of 10/Nov/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Mudshingi - Talandage - I	09/11/2012	09.32	09/11/2012	13.20	Q.M.Work
Padgha-Jambhul-I	09/11/2012	09.38	09/11/2012	19.35	R.M.Work
220/100KV,200MVA ICT-II at Apta	09/11/2012	09.44		Continued.	Isolator replacement work.
220/100 KV 100 MVA ICT - I @ Vasai	09/11/2012	09.53	09/11/2012	18.45	GRM test,tan delta testing.
Babaleshwar - Ranjangaon	09/11/2012	11.05	09/11/2012	11.12	DC leakage testing.
220/100 KV,100 MVA ICT-I @ Tambati	09/11/2012	11.15	09/11/2012	17.50	R.M.Work
Babaleshwar - Alephata	09/11/2012	11.19	09/11/2012	11.32	DC leakage work.
Aurangabad - BBLSR	09/11/2012	11.39	09/11/2012	18.44	To control loading on two ICT of A'bad.
Pophali - Kandalgaon	09/11/2012	12.30	09/11/2012	13.40	SCADA Work.
Borivali - Tata - V	09/11/2012	17.44	09/11/2012	20.22	To attend red hot on meggering CT.
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.
Khadka-Deepnagar-I	01/11/2012	18.22	09/11/2012	10.15	For replacement of damaged PLCC card and carrier received relay(ready for charging 2-11-2012 at 17.18Hrs)
Deepnagar-Aurangabad-I	05/11/2012	17.19		Continued.	Over Voltage.
Karad - Kolhapur - II	08/11/2012	16.34	09/11/2012	11.16	Over Voltage.
Bhusawal- Aurangabad	08/11/2012	17.05	09/11/2012	10.10	Over Voltage.
Karad - Kolhapur - I	09/11/2012	16.25		Continued.	Over Voltage.
Bhusawal- Aurangabad	09/11/2012	17.35		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To Control Lonikand ICT Loading.Also, Own CB Problem.
Phursungi - Theur	06/11/2012	07.05		Continued.	Hand Tripped.
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.
Voltage Level : 220KV			Outage Type TRIPPED		
Chandrapur MIDC - Gadchandur	09/11/2012	02.57	09/11/2012	08.38	B-Ph C.C.burst at 220KV Matardevi S/S.
BBLSR-A"Nagar II	10/11/2012	05.09		Continued.	Distance protection.Declared faulty.
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani - Pathri	09/11/2012	10.28	09/11/2012	10.39	Distance protection.
Parbhani-Pathari	09/11/2012	11.00	09/11/2012	12.45	Distance protection.
Sawangi-GAPS	09/11/2012	12.02	09/11/2012	17.15	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Nov/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	125
Unit 7	210	145
	620	270
Bhusawal		
Unit 2	210	0
Unit 3	210	170
Unit 4	500	0
Unit 5	500	0
	1420	170
Parli		
Unit 3	210	122
Unit 4	210	121
Unit 5	210	0
Unit 6	250	0
Unit 7	250	222
	1130	465
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	200
Unit 4	210	200
Unit 5	500	400
Unit 6	500	400
Unit 7	500	380
	2340	1880
Paras		
Unit 3	250	175
Unit 4	250	150
	500	325
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	300
	1340	960
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
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	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
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	1090
WARDHA	405	245
Adani	660	
Other CPPs	0	
	1665	1335
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	5349
	3455	5349