



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Nov/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Nov/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.447	522.417	1) Gujrat	10.560	52.449
2) Hydro	19.048	58.838	2) Madhya Pradesh	19.522	90.881
3) Gas	7.268	42.810	3) Chattisgarh	12.850	59.390
Total MSGENCO	130.763	624.065	4) Maharashtra	73.504	358.367
B) 1) JSW JAIGAD	27.596	134.095	5) Goa	-6.319	-32.640
2) WPCL	8.404	43.603	6) TAPS 1&2 Injection	3.819	19.075
3) ADANI	9.540	47.700	7) RGPPL Injection	12.169	62.629
4) Other CPP / IPP	7.337	37.687	8) Pench (Excess)	-0.562	-2.312
5) Wind Generation	1.389	22.370	# Total Cent. Sector	125.543	607.839
6) PENCH (MS)	0.562	2.971	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.225	-60.735
1) TPCL Thermal	28.497	135.082	G) Bilateral Power *		
2) TPCL Hydro	4.564	17.673	1) MSEDCL Bilateral	51.245	245.624
TOTAL TPCL	33.061	152.755	Include PX	2.060	4.427
3) REL Thermal	12.621	62.365	2) MUMBAI Bilateral	14.099	65.829
D) STATE			Include PX	3.029	6.242
1) Thermal (A1+C1+C3)	145.565	719.864	3) MUMBAI Schedule	14.099	65.829
2) Hydro (A2+B5+C2)	24.174	79.482	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.268	42.810	1) MSEDCL	298.909	1459.595
4) Wind (B4)	1.389	22.370	2) TPCL	39.159	185.198
5) CPP (B1+B2+B3)	52.877	224.925	3) REL	18.746	90.661
TOTAL STATE	231.273	1089.451	TOTAL STATE	356.814	1735.454

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4416	4181	4453
MSGENCO Hydro	1551	1340	89
MSGENCO Gas	296	307	311
MSGENCO Total Generation	6263	5828	4853
Central Sector Receipt	6023	5724	4588
WIND	39	42	74
CPP / IPP	2273	2290	2083
Exchange with Mumbai	-760	-633	-361
MSEDCL DEMAND MET	13863	13276	11237
Load Shedding	740	475	210
MSEDCL DEMAND	14603	13751	11447
TPCL GENERATION	1670	1724	834
R-INFRA GENERATION	525	526	526
TPCL+R-INFRA DEMAND	2955	2883	1721
STATE DEMAND MET	16818	16159	12958
STATE DEMAND	17558	16634	13168
Frequency (Hz)	49.91	49.83	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 06.01 Hrs	49.55 Hz at 14.44 Hrs	49.93	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 05/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	3.28	17.12	155	117	120
Unit 7	3.66	8.17	175	120	130
Total	6.94	25.29			250
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.76	18.42	170	140	170
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	3.76	18.42			170
Parli					
Unit 3	0.00	6.99	0	0	0
Unit 4	3.36	17.58	149	123	150
Unit 5	0.00	0.00	0	0	0
Unit 6	4.07	19.35	190	147	170
Unit 7	4.11	19.70	200	153	164
Total	11.54	63.62			484
Chandrapur					
Unit 1	0.53	12.52	125	0	0
Unit 2	3.28	15.40	155	95	140
Unit 3	3.97	9.81	192	115	170
Unit 4	4.10	21.46	195	92	190
Unit 5	9.36	47.40	430	360	410
Unit 6	9.40	48.89	440	355	400
Unit 7	9.08	41.30	410	290	400
Total	39.71	196.78			1710
Paras					
Unit 3	3.98	23.57	205	134	200
Unit 4	4.21	24.43	227	138	200
Total	8.19	48.00			400
Khaparkheda					
Unit 1	3.62	18.86	185	100	170
Unit 2	3.21	20.30	175	70	170
Unit 3	3.74	21.75	180	122	180
Unit 4	3.97	20.79	189	127	180
Unit 5	7.64	32.23	359	276	300
Total	22.18	113.94			1000
Nasik					
Unit 3	4.04	20.61	180	155	190
Unit 4	4.06	20.40	190	152	190
Unit 5	4.03	15.36	178	149	190
Total	12.13	56.37			570
Uran					
All Units	7.27	42.81	311	276	300
Total	7.27	42.81			300
PENCH (MS)					
Pench (MS)	0.56	2.97	47	0	
Total	0.56	2.97			
Koyna					
Stage 1-2	5.91	18.74	475	40	600
Stage 4	8.04	18.98	981	0	250
Stage 3	2.66	8.01	318	0	320
Kovna 12&4 Total	13.95	37.73			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	16.61	45.74			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.29	1.33	60	0	60
BHTGR/VEER	0.07	0.17	3	3	2
BHIRA T.R.	0.21	1.12	67	0	80
RNGR+BHTSA	0.36	1.84	16	15	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.80	3.25	41	31	9
GHATGHAR	0.69	5.40	250	0	0
Total	2.44	13.10			166
Wind					
MalharPeth	0.14	1.32			
Vankuswadi	0.20	2.34			
ATIT	0.02	0.34			
Kale	0.05	0.76			
Satara	0.05	5.33			
Shirala	0.06	1.17			
K Mahankal	0.13	0.36			
Supa	0.07	0.72			
Vita	0.12	3.61			
Dondaicha	0.21	3.19			
Sakri	0.01	0.39			
Nandurbar	0.02	0.22			
Khandke	0.24	1.69			
Khaparale	0.07	0.92			
Total	1.39	22.37			
CPP					
JSW JAIGAD	27.60	134.10	1198	1033	1089
WARDHA	8.40	43.60	371	244	366
Adani	9.54	47.70	400	390	
Other CPPs	7.34	37.69			
Total	52.88	263.08			1455
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.98	54.31	504	285	500
Trombay 6	7.16	30.83	476	156	500
Trombay 7A	2.93	14.70	124	118	120
Trombay 7B	1.64	8.20	69	67	60
Trombay 8	5.79	27.04	252	196	250
TATA Hydro	4.56	17.67	306	0	317
Total	33.06	152.76			1747
REL					
1&2	12.62	62.36	529	524	500
Total	12.62	62.36			500
Cent Sect					
Share					5134
Total					5134

MS PG CL	Thermal	104.45	522.42			4584
	Thml+Gas	111.72	565.23			4884
	Hydro	19.05	58.84			1336
	Total	130.76	624.06			6220
State Total		231.27	1089.45			15056

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/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	4443	179	309	4931	104	2108	4694	4744	-488	-435	11452	143	11595	2027	13622	49.92
2	4418	164	311	4893	101	2071	4636	4622	-459	-452	11235	201	11436	1844	13280	49.88
3	4453	89	311	4853	74	2083	4626	4588	-415	-361	11237	210	11447	1721	13168	50.03
4	4440	104	311	4855	73	2082	4614	4679	-410	-327	11362	224	11586	1685	13271	50.05
5	4478	174	310	4962	67	2071	4557	4641	-396	-306	11435	267	11702	1668	13370	49.88
6	4547	424	311	5282	64	2089	4504	4606	-401	-197	11871	430	12301	1759	14060	49.94
7	4531	239	309	5079	59	2143	5018	5094	-447	-215	12186	836	13022	1840	14862	49.92
8	4547	269	308	5124	66	2263	5253	5520	-466	-314	12685	840	13525	1969	15494	49.85
9	4507	514	307	5328	47	2291	5190	5641	-439	-346	12986	845	13831	2244	16075	49.74
10	4479	1175	308	5962	34	2288	5201	5532	-636	-537	13289	645	13934	2609	16543	49.90
11	4426	1534	300	6260	34	2294	5772	5865	-754	-688	13790	540	14330	2868	17198	50.01
12	4416	1551	296	6263	39	2273	5824	6023	-811	-760	13863	740	14603	2955	17558	49.91
13	4349	1648	293	6290	16	2288	5853	5520	-804	-756	13384	858	14242	2954	17196	50.00
14	4327	1264	299	5890	24	2290	5738	5917	-719	-684	13460	760	14220	2882	17102	49.97
15	4231	1292	298	5821	33	2297	5778	6126	-745	-731	13569	658	14227	2930	17157	49.87
16	4162	1560	301	6023	25	2296	5807	5925	-765	-709	13584	559	14143	2907	17050	49.78
17	4181	1340	307	5828	42	2290	5799	5724	-699	-633	13276	475	13751	2883	16634	49.83
18	4312	1147	303	5762	62	2287	5122	4959	-671	-596	12497	482	12979	2841	15820	50.05
19	4231	1521	305	6057	74	2239	5286	5193	-736	-653	12950	455	13405	2862	16267	50.03
20	4239	1044	305	5588	68	2242	5279	4888	-688	-591	12242	652	12894	2788	15682	50.04
21	4253	248	305	4806	105	2220	5119	5110	-572	-506	11782	599	12381	2649	15030	49.95
22	4229	135	306	4670	72	2127	5040	5205	-515	-488	11626	566	12192	2498	14690	49.97
23	4093	698	276	5067	53	2115	4862	4796	-542	-496	11575	215	11790	2340	14130	49.95
24	4155	735	279	5169	53	2130	4576	4628	-522	-444	11576	155	11731	2184	13915	49.95
MUs	104.45	19.05	7.27	130.76	1.39	52.88	124.15	125.55	-14.10	-12.22	298.91	12.36	311.27	57.91	369.17	49.93

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 05/Nov/2012

Position as on 6.30 Hrs of 06/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.	
CPP WPCL U-4	135	05/11/2012	21.30		Continued.	Maintenance Work.	07/11/2012
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.	
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	
Chandrapur Unit 1	210	05/11/2012	02.37	05/11/2012	20.54	Differential Protection	
Koyna Unit 8	80	05/11/2012	07.05	05/11/2012	17.55	P. M. Work.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Nov/2012

Position as on 6.30 Hrs of 06/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 (PG) II	31/10/2012	15.47		Continued.	Over Voltage.
Kolhapur - Mapusa - II	01/11/2012	16.41	05/11/2012	11.38	Over Voltage.
Kolhapur - Mapusa - I	05/11/2012	17.28		Continued.	Over Voltage.
Dhule-S'Sarovar I	05/11/2012	22.27		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
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
400/132KV 200MVA ICT-I @ Bhusawal	05/11/2012	09.17	05/11/2012	16.55	Overhauling Circuit Breaker LV Side(LV Side on TBC).
80 MVAR Bus Reactor-I @ Babaleshwar	05/11/2012	11.03		Continued.	For Overhauling @ Servcing of 29B P G Isolator.
Main Bus - I @ Kolhapur	05/11/2012	13.07		Continued.	Attending Hot Spot & Alligment & Servicing of A Bus Isolator.
400/220 KV 315 MVA ICT II @ Jejuri	06/11/2012	00.59	06/11/2012	03.27	Filling of SF6 Gas in Bkr Pole.
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)
Pedambe-Tambati	02/11/2012	06.53		Continued.	For making arrangement to shift existing line and increasing height.(Outage Till 06.11.12)
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		Continued.	Oil Filtration(Outage Till 06.11.12)
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
220/132 KV 200 MVA ICT-I @ Jalna	05/11/2012	07.45	05/11/2012	17.30	Routine Maintenance Work.
C'pur-Sicom-I	05/11/2012	11.46	05/11/2012	15.01	For Signature Analysis.
Wardha Power - Warora-I	06/11/2012	06.58		Continued.	C T Replacement Work, 2 Days 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 : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Nov/2012

Position as on 6.30 Hrs of 06/Nov/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 protection operated.
Bhusawal- Aurangabad	01/11/2012	16.42		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	01/11/2012	17.07	05/11/2012	10.59	Over Voltage.
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)
Deepnagar-Aurangabad-I	05/11/2012	17.19		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Phursungi - Theur	03/11/2012	18.45	06/11/2012	00.13	To COntral Jejuri ICT Loading.
Phursungi - Theur	06/11/2012	07.05		Continued.	Hand Tripped.
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 : 220KV			Outage Type TRIPPED		
Karad-Pedambe	05/11/2012	17.19	05/11/2012	18.20	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Nov/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	160
	620	290
Bhusawal		
Unit 2	210	0
Unit 3	210	152
Unit 4	500	
Unit 5	500	
	1420	152
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	0
Unit 6	250	152
Unit 7	250	152
	1130	454
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	130
Unit 4	210	150
Unit 5	500	400
Unit 6	500	450
Unit 7	500	400
	2340	1840
Paras		
Unit 3	250	170
Unit 4	250	170
	500	340
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	190
Unit 4	210	190
Unit 5	500	300
	1340	1020
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	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
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	1091
WARDHA	405	245
Adani	660	
Other CPPs	0	
	1665	1336
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	5425
	3455	5425