



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Nov/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Nov/2011 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	93.704	680.639	1) Gujrat	2.632	14.224
2) Hydro	12.660	85.425	2) Madhya Pradesh	21.862	169.047
3) Gas	15.319	100.344	3) Chattisgarh	16.160	108.080
Total MSGENCO	121.683	866.408	4) Maharashtra	57.986	398.437
B) OTHERS			5) Goa	-6.011	-43.746
1) JSW JAIGAD	29.027	202.301	6) TAPS 1&2 Injection	7.798	53.757
2) WPCL	6.242	43.726	7) RGPPL Injection	32.563	222.816
3) Other CPP / IPP	4.306	28.508	8) Pench (Excess)	-0.755	-3.364
4) Wind Generation	1.665	19.472	# Total Cent. Sector	132.235	919.251
5) PENCH (MS)	0.755	3.546	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.121	-78.654
1) TPCL Thermal	25.488	187.255	G) Bilateral Power *		
2) TPCL Hydro	3.856	24.787	1) MSEDCL Bilateral	39.995	279.273
TOTAL TPCL	29.344	212.042	Include PX	3.156	24.615
3) REL Thermal	12.588	88.066	2) MUMBAI Bilateral	12.100	90.002
D) STATE			Include PX	-0.424	3.601
1) Thermal (A1+C1+C3)	131.780	955.960	3) MUMBAI Schedule	12.100	90.002
2) Hydro (A2+B5+C2)	17.271	113.758	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.319	100.344	1) MSEDCL	284.792	2004.558
4) Wind (B4)	1.665	19.472	2) TPCL	34.755	249.878
5) CPP (B1+B2+B3)	39.575	274.535	3) REL	18.298	128.801
TOTAL STATE	205.610	1464.069	TOTAL STATE	337.845	2383.237

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3951	4016	3645
MSGENCO Hydro	1135	1004	168
MSGENCO Gas	621	638	658
MSGENCO Total Generation	5707	5658	4471
Central Sector Receipt	5541	5648	5454
WIND	133	65	65
CPP / IPP	1642	1648	1653
Exchange with Mumbai	-418	-485	-379
MSEDCL DEMAND MET	12632	12586	11291
Load Shedding (LS)	1638	1142	503
MSEDCL DEMAND (INCL. LS)	14270	13728	11794
TPCL GENERATION	1550	1553	807
REL GENERATION	527	524	525
TPCL+REL DEMAND	2495	2562	1711
STATE DEMAND MET	15127	15148	13002
Load Management (LM)	2555	3842	1655
Total Load Relief (LS+LM)	4193	4984	2158
UNRESTRICTED STATE DEMAND	19320	20132	15160
Frequency (Hz)	49.54	49.89	49.90

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 18.31 Hrs	49.11 Hz at 09.50 Hrs	49.75	.82 % 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 07/Nov/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.36	24.46	151	126	125
Unit 6	3.73	25.70	170	130	150
Unit 7	0.00	0.00	0	0	0
Total	7.09	50.16			275
Bhusawal					
Unit 2	3.24	26.52	160	80	130
Unit 3	3.70	22.49	170	130	160
Unit 4	0.00	0.00	0	0	0
Total	6.95	49.00			290
Parli					
Unit 3	0.00	11.70	0	0	0
Unit 4	3.62	26.87	183	112	160
Unit 5	2.98	21.01	146	100	125
Unit 6	3.22	26.72	170	74	160
Unit 7	2.58	26.45	151	60	180
Total	12.40	112.75			625
Chandrapur					
Unit 1	3.89	26.89	166	160	165
Unit 2	0.00	9.78	0	0	0
Unit 3	4.33	29.33	189	166	180
Unit 4	4.87	34.18	210	176	210
Unit 5	8.82	62.08	440	270	325
Unit 6	8.41	62.80	400	320	325
Unit 7	8.74	19.12	419	278	325
Total	39.07	244.18			1530
Paras					
Unit 3	3.48	25.18	175	110	120
Unit 4	3.47	25.79	188	98	100
Total	6.95	50.98			220
Khaparkheda					
Unit 1	2.88	22.66	155	100	125
Unit 2	3.00	24.47	145	110	125
Unit 3	2.31	24.89	150	0	125
Unit 4	3.15	26.34	151	122	125
Unit 5	1.10	1.10	148	0	0
Total	12.43	99.45			500
Nasik					
Unit 3	4.94	25.68	215	190	190
Unit 4	0.00	21.12	0	0	0
Unit 5	3.87	27.32	182	135	180
Total	8.81	74.12			370
Uran					
All Units	15.32	100.34	660	610	630
Total	15.32	100.34			630
PENCH (MS)					
Pench (MS)	0.76	3.55	53	0	0
Total	0.76	3.55			0
Koyna					
Stage 1-2	3.48	27.54	330	50	600
Stage 4	4.59	28.24	560	0	250
Stage 3	1.77	12.24	260	0	320
Total	9.85	68.02			1170
Kovna 12&4 Total	8.08	55.78			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.17	0	0	60
TILLARI	0.37	2.86	60	0	60
BHTGR/VEER	0.17	1.03	7	7	7
BHIRA T.R.	0.14	1.56	49	0	80
RNGR+BHTSA	0.41	2.62	17	17	17
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.34	1.08	15	14	15
SMLHY PTN	0.69	4.05	36	25	11
GHATGHAR	0.68	4.05	250	0	0
Total	2.81	17.41			250
Wind					
MalharPeth	0.16	1.59			
Vankuswadi	0.20	2.53			
ATIT	0.05	0.39			
Kale	0.06	0.84			
Satara	0.08	2.38			
Shirala	0.06	0.90			
K Mahankal	0.11	2.05			
Supa	0.09	0.58			
Vita	0.34	3.48			
Dondaicha	0.19	1.27			
Sakri	0.01	0.45			
Nandurbar	0.01	0.47			
Khandke	0.19	1.50			
Khaparale	0.11	1.01			
Total	1.66	19.47			
CPP					
JSW JAIGAD	29.03	202.30	1216	1204	1100
WARDHA	6.24	43.73	262	259	260
Other CPPs	4.31	28.51			
Total	39.58	274.54			1360
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.70	75.55	490	290	490
Trombay 6	6.08	44.92	345	155	500
Trombay 7A	2.82	19.19	122	103	120
Trombay 7B	1.56	10.78	66	61	60
Trombay 8	4.32	36.83	180	180	180
TATA Hydro	3.86	24.79	399	0	447
Total	29.34	212.04			1797
REL					
1&2	12.59	88.07	527	522	500
Total	12.59	88.07			500
Cent Sect					
Share					5479
Total					5479

MS PG CL	Thermal	93.70	680.64			3810
	Thml+Gas	109.02	780.98			4440
	Hydro	12.66	85.42			1420
	Total	121.68	866.41			5860
State Total		205.61	1464.07			14996

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/Nov/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	3698	139	660	4497	81	1653	5339	5609	-514	-508	11357	2357	11557	2017	15731	49.70
2	3584	244	656	4484	64	1653	5264	5471	-429	-445	11252	2379	11644	1834	15465	49.84
3	3645	168	658	4471	65	1655	5198	5429	-361	-379	11266	2158	11769	1711	15135	49.90
4	3676	114	659	4449	55	1661	5162	5389	-318	-297	11282	2251	11803	1647	15180	49.99
5	3665	118	649	4432	54	1648	5147	5571	-303	-290	11440	2215	11966	1637	15292	49.85
6	3704	469	655	4828	79	1657	5139	5660	-292	-310	11966	2572	12675	1683	16221	49.75
7	3802	522	654	4978	75	1644	5290	5214	-329	-342	11619	3630	13100	1776	17025	49.60
8	3830	550	652	5032	97	1651	5391	5480	-353	-322	11989	4177	13550	1819	17985	49.71
9	3935	588	646	5169	115	1647	5424	5384	-405	-396	11970	4460	13496	1993	18423	49.71
10	3968	384	633	4985	181	1650	5514	5158	-488	-424	11599	4288	13188	2267	18154	49.50
11	4020	804	626	5450	168	1636	5464	5431	-563	-476	12258	4235	13966	2463	18956	49.51
12	3951	1135	621	5707	133	1642	5415	5514	-552	-418	12605	4193	14243	2495	19293	49.54
13	3899	803	619	5321	83	1637	5415	5620	-552	-477	12209	4339	13995	2536	19084	49.57
14	3964	798	618	5380	68	1647	5416	5682	-552	-428	12349	4096	13990	2478	18923	49.71
15	3989	1081	610	5680	60	1652	5416	5567	-552	-492	12467	3766	13918	2509	18742	49.66
16	3973	1111	612	5696	43	1657	5414	5459	-601	-497	12358	3844	13911	2553	18755	49.62
17	4076	738	611	5425	26	1658	5217	4987	-601	-517	11579	4339	13248	2526	18444	49.58
18	4095	489	612	5196	26	1649	5169	5183	-552	-481	11598	4493	12941	2485	18576	49.57
19	4016	1004	638	5658	65	1648	5402	5596	-650	-485	12534	4984	13676	2562	20080	49.89
20	4069	734	641	5444	49	1637	5536	5959	-650	-533	12609	4842	13515	2559	20010	50.00
21	4015	298	644	4957	35	1642	5537	6073	-645	-637	12120	4671	12874	2512	19303	49.92
22	3993	141	643	4777	18	1647	5529	5847	-630	-649	11687	4481	12274	2428	18596	49.88
23	4089	114	650	4853	14	1646	5371	5650	-604	-665	11523	4265	12057	2338	18126	49.99
24	4048	114	652	4814	11	1658	5231	5302	-604	-653	11156	3668	11514	2225	17049	49.95
MUs	93.70	12.66	15.32	121.68	1.66	39.58	128.40	132.24	-12.10	-11.12	284.79	90.70	310.87	53.05	428.55	49.75

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 07/Nov/2011

Position as on 6.30 Hrs of 08/Nov/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 7	210	08/10/2011	23.43		Continued.	Annual overhaul.	11/11/2011
Koyna ST - IV 4	250	03/11/2011	04.42		Continued.	Attending Oil Leakage through Spherical Valve	23/11/2011
Chandrapur Unit 2	210	05/11/2011	11.02		Continued.	Boiler Tube Leakage,converted to AOH.	30/11/2011
Dabhol 2A	230	05/11/2011	15.48		Continued.	Overhauling work	15/11/2011
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
Khaparkheda Unit 5	500	21/10/2011	00.40	07/11/2011	10:21	Furnace pressure low.	
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem, Preparation for P.G. Test.	23/11/2011
Parli Unit 3	210	04/11/2011	15.42		Continued.	Air heater problem.	08/11/2011
Nasik Unit 4	210	05/11/2011	20.25		Continued.	Boiler Tube Leakage	08/11/2011
Khaparkheda Unit 5	500	07/11/2011	10:50	07/11/2011	13:36	Drum level high.	
Khaparkheda Unit 3	210	07/11/2011	16:41	07/11/2011	21:42	Tripped on Flame Failure.	
Chandrapur Unit 5	500	08/11/2011	06:21		Continued.	W/DN.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Nov/2011

Position as on 6.30 Hrs of 08/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Boiser - Tarapur	30/10/2011	08.31		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Parly(PG) - Wardha (PG) - I	02/11/2011	11.33		Continued.	To control Koradi-Bhilai Load
Parli (PG)-Bhadravati I	03/11/2011	22.23	07/11/2011	19:11	Over voltage.
Parli (PGCIL)-Bhadravati-II	05/11/2011	08.02	07/11/2011	11:10	Control Koradi-Bhilai load.
Dhule-Sar'Sarovar - II	06/11/2011	16.36		Continued.	Over Voltage.
Parli-Solapur (PGCIL) Ckt.II	07/11/2011	09:10		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	07/11/2011	22:13		Continued.	Over Voltage.
Kolhapur - Mapusa - I	07/11/2011	22:54		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Parli (PGCIL)-Bhadravati-II	07/11/2011	16:42		Continued.	R ph E fault.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50MVAR Line Reactor of 400KV Parli-Lnknd-I	02/11/2011	10.52		Continued.	Oil Leakage and Filtration work
Karad-New Koyna II	03/11/2011	11.28		Continued.	Taken on TBC to attend hot spot.
400/220 KV 315 MVA ICT @ Akola	07/11/2011	08:23	07/11/2011	17:27	Q.M. Work.
400/220 KV 315MVA ICT-II @ Kolhapur	07/11/2011	10:50	07/11/2011	17:02	Hot Spot attending work.
New Koyna - Karad - I	07/11/2011	14:58	07/11/2011	19:19	Attending Hot Spot, taken on TBC.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT
Bhoisor - Borivali	30/10/2011	08.06		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
Pedambe - Tambati	07/11/2011	09:23	07/11/2011	13:05	To replace Wave Trap Conductor.
Mudshingi - Karad - II	07/11/2011	10:51	07/11/2011	12:56	Q.M. Work.
Osmanabad - Solapur	07/11/2011	16:13	07/11/2011	23:19	To attend Y-ph CT leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,100 MVA Spare Unit at Korady	31/10/2011	02.36		Continued.	Buchholz Alarm received
Parly - Solapur (PGCIL) - I	06/11/2011	10:00	07/11/2011	09:02	Over Voltage.
Karad - Kolhapur - I	06/11/2011	16.22		Continued.	Over Voltage.
Bhusawal- Aurangabad	06/11/2011	22.37		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	12/10/2011	19.56		Continued.	For System Stability.
Voltage Level : 100KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Nov/2011

Position as on 6.30 Hrs of 08/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Ganeshkhanda-Chinchwad	03/11/2011	09.19		Continued.	Bunching work.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132KV 100MVA ICT-I at Bambhori	25/10/2011	19.06		Continued.	Tripped on R.E.F.
Karad - Ogalewadi - II	07/11/2011	04.30	07/11/2011	05.27	Tripped at Ogalewadi end .
Karad-Ogalewadi-I	07/11/2011	04.30	07/11/2011	09:13	Distance protection.Declared faulty.
Voltage Level : 132KV			Outage Type TRIPPED		
Eldari - Jintur	19/10/2011	15.20		Continued.	B Phase Pole of C B Flashover.
Paras-Patur	07/11/2011	11:11	07/11/2011	12:03	Distance protection operated Zone-2 R ph and Y ph.
Malegaon-Patur	07/11/2011	11:22	07/11/2011	12:03	Distance Protection.
Chikali - Mehkar	07/11/2011	11:22	07/11/2011	11:40	Tripped on Backup Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/Nov/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	150
Unit 7	210	0
	620	300
Bhusawal		
Unit 2	210	155
Unit 3	210	160
Unit 4	500	
	920	315
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	120
Unit 6	250	145
Unit 7	250	105
	1130	540
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	185
Unit 4	210	210
Unit 5	500	400
Unit 6	500	400
Unit 7	500	385
	2340	1740
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	140
Unit 2	210	130
Unit 3	210	135
Unit 4	210	140
Unit 5	500	
	1340	545
Nasik		
Unit 3	210	200
Unit 4	210	0
Unit 5	210	160
	630	360
Uran		
All Units	852	630
	852	630
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
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	14
SMLHY PTN	12	0
GHATGHAR	250	0
	611	179
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	1100
WARDHA	405	260
Other CPPs	0	
	1005	1360
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5430
	3455	5430

	17900	7 of 7	15236
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