



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Nov/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Nov/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	108.892	891.598	1) Gujrat	2.942	21.405
2) Hydro	8.973	102.322	2) Madhya Pradesh	20.904	211.798
3) Gas	15.224	130.915	3) Chattisgarh	15.020	138.820
Total MSGENCO	133.089	1124.835	4) Maharashtra	56.611	513.645
B) OTHERS			5) Goa	-6.174	-56.667
1) JSW JAIGAD	28.670	259.992	6) TAPS 1&2 Injection	7.793	69.388
2) WPCL	5.562	55.521	7) RGPPL Injection	32.564	287.445
3) Other CPP / IPP	4.189	36.921	8) Pench (Excess)	-0.520	-4.317
4) Wind Generation	1.710	22.382	# Total Cent. Sector	129.140	1181.517
5) PENCH (MS)	0.520	4.499	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.475	-103.026
1) TPCL Thermal	28.390	242.706	G) Bilateral Power *		
2) TPCL Hydro	4.148	33.445	1) MSEDCL Bilateral	39.920	360.765
TOTAL TPCL	32.538	276.151	Include PX	3.156	32.506
3) REL Thermal	12.571	113.230	2) MUMBAI Bilateral	13.216	116.174
D) STATE			Include PX	1.517	5.629
1) Thermal (A1+C1+C3)	149.853	1247.534	3) MUMBAI Schedule	13.216	116.174
2) Hydro (A2+B5+C2)	13.641	140.266	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.224	130.915	1) MSEDCL	291.405	2582.641
4) Wind (B4)	1.710	22.382	2) TPCL	37.620	324.908
5) CPP (B1+B2+B3)	38.421	352.434	3) REL	18.962	167.413
TOTAL STATE	218.849	1893.531	TOTAL STATE	347.987	3074.962

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4679	4490	4447
MSGENCO Hydro	830	648	101
MSGENCO Gas	601	624	652
MSGENCO Total Generation	6110	5762	5200
Central Sector Receipt	5618	5557	5219
WIND	102	76	39
CPP / IPP	1624	1607	1608
Exchange with Mumbai	-571	-590	-268
MSEDCL DEMAND MET	12908	12459	11817
Load Shedding (LS)	1852	1237	434
MSEDCL DEMAND (INCL. LS)	14760	13696	12251
TPCL GENERATION	1689	1690	900
REL GENERATION	523	523	525
TPCL+REL DEMAND	2783	2803	1693
STATE DEMAND MET	15691	15262	13510
Load Management (LM)	2527	3948	1729
Total Load Relief (LS+LM)	4379	5185	2163
UNRESTRICTED STATE DEMAND	20070	20447	15673
Frequency (Hz)	49.57	49.80	49.80

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.32 Hz at 08.02 Hrs	49.1 Hz at 10.55 Hrs	49.71	.41 % 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/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.88	30.79	143	95	110
Unit 6	3.45	33.03	172	106	140
Unit 7		0.00	0	0	0
Total	6.33	63.82			250
Bhusawal					
Unit 2	3.39	33.55	160	105	160
Unit 3	3.32	29.62	160	100	160
Unit 4		0.00	0	0	
Total	6.71	63.18			320
Parli					
Unit 3	3.55	15.72	158	137	150
Unit 4	4.31	35.11	198	160	190
Unit 5	2.95	26.83	155	100	110
Unit 6	4.55	35.23	254	160	160
Unit 7	3.28	33.45	238	0	165
Total	18.65	146.35			775
Chandrapur					
Unit 1	3.75	34.46	164	132	160
Unit 2	0.00	9.78	0	0	0
Unit 3	3.24	35.95	166	101	150
Unit 4	4.69	43.81	207	145	210
Unit 5	0.00	64.41	0	0	0
Unit 6	10.81	84.19	485	403	450
Unit 7	10.45	39.14	457	399	450
Total	32.94	311.75			1420
Paras					
Unit 3	3.96	32.60	191	115	180
Unit 4	3.55	32.91	191	118	180
Total	7.52	65.51			360
Khaparkheda					
Unit 1	4.82	31.59	215	175	170
Unit 2	4.40	32.92	195	164	170
Unit 3	4.90	33.85	221	182	180
Unit 4	4.75	35.26	220	162	180
Unit 5	3.93	8.42	240	125	
Total	22.80	142.03			700
Nasik					
Unit 3	4.80	35.48	215	170	200
Unit 4	4.76	27.63	205	189	200
Unit 5	4.39	35.86	198	160	180
Total	13.95	98.97			580
Uran					
All Units	15.22	130.92	674	597	630
Total	15.22	130.92			630
PENCH (MS)					
Pench (MS)	0.52	4.50	49	0	
Total	0.52	4.50			
Koyna					
Stage 1-2	2.06	32.88	270	35	600
Stage 4	1.58	31.24	214	0	250
Stage 3	1.28	14.18	152	0	320
Total	4.92	78.30			1170
Kovna 12&4 Total	3.64	64.12			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.30	0.30	19	0	0
VTRNA	0.15	0.39	61	0	60
TILLARI	0.72	3.95	60	0	60
BHTGR/VEER	0.15	1.34	7	6	7
BHIRA T.R.	0.21	1.93	80	0	80
RNGR+BHTSA	0.40	3.41	17	16	16
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.34	1.77	15	14	0
SMLHY PTN	0.67	5.42	35	24	11
GHATGHAR	1.13	5.50	240	0	0
Total	4.06	24.02			234
Wind					
MalharPeth	0.11	1.84			
Vankuswadi	0.26	2.98			
ATIT	0.03	0.46			
Kale	0.10	1.02			
Satara	0.54	3.09			
Shirala	0.09	1.09			
K Mahankal	0.01	2.14			
Supa	0.03	0.64			
Vita	0.29	3.99			
Dondaicha	0.10	1.38			
Sakri	0.01	0.46			
Nandurbar	0.01	0.49			
Khandke	0.04	1.56			
Khaparale	0.08	1.24			
Total	1.71	22.38			
CPP					
JSW JAIGAD	28.67	259.99	1218	1080	1100
WARDHA	5.56	55.52	246	197	240
Other CPPs	4.19	36.92			
Total	38.42	352.43			1340
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.22	97.75	494	363	490
Trombay 6	7.45	59.82	493	155	500
Trombay 7A	2.76	24.72	125	90	120
Trombay 7B	1.56	13.88	67	57	60
Trombay 8	5.40	46.54	250	184	250
TATA Hydro	4.15	33.44	419	0	447
Total	32.54	276.15			1867
REL					
1&2	12.57	113.23	527	522	500
Total	12.57	113.23			500
Cent Sect					
Share					5575
Total					5575

MS PG CL	Thermal	108.89	891.60			4405
	Thml+Gas	124.12	1022.51			5035
	Hydro	8.97	102.32			1404
	Total	133.09	1124.84			6439
State Total		218.85	1893.53			15721

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/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	4519	102	650	5271	42	1632	5418	5560	-547	-609	11896	2378	12058	2117	16391	49.73
2	4402	112	652	5166	34	1633	5319	5400	-403	-447	11786	2342	12120	1913	16041	49.78
3	4396	101	652	5149	35	1640	5279	5320	-355	-369	11775	2120	12193	1786	15681	49.86
4	4438	101	652	5191	35	1634	5233	5276	-334	-287	11849	2152	12277	1710	15711	49.91
5	4447	101	652	5200	39	1627	5213	5219	-318	-268	11817	2163	12251	1693	15673	49.80
6	4502	455	660	5617	49	1633	5198	5422	-292	-294	12440	2611	13131	1743	16794	49.72
7	4615	248	670	5533	57	1641	5218	4962	-328	-269	11949	3749	13449	1790	17488	49.57
8	4642	114	674	5430	41	1639	5228	5089	-379	-340	11884	4229	13366	1909	18022	49.85
9	4709	161	652	5522	36	1629	5274	5115	-416	-388	11939	4204	13117	2178	18321	49.78
10	4784	411	625	5820	46	1626	5357	5242	-504	-493	12266	4316	13827	2523	19105	49.63
11	4679	830	601	6110	102	1624	5402	5618	-545	-571	12908	4379	14760	2783	20070	49.57
12	4689	698	609	5996	130	1628	5720	5205	-836	-562	12422	4443	14323	2826	19691	49.56
13	4668	753	609	6030	131	1624	5451	5400	-565	-534	12676	4601	14737	2822	20099	49.64
14	4680	602	608	5890	118	1601	5549	5556	-664	-508	12677	4261	14484	2773	19711	49.77
15	4706	791	606	6103	123	1602	5715	5619	-836	-654	12796	3891	14399	2768	19455	49.63
16	4608	648	597	5853	117	1632	5714	5728	-836	-673	12657	4017	14395	2785	19459	49.63
17	4565	448	602	5615	96	1616	5514	5367	-834	-664	12030	4531	13887	2776	19337	49.59
18	4621	235	635	5491	72	1629	5224	5036	-544	-579	11691	4582	13047	2735	19008	49.56
19	4490	648	624	5762	76	1607	5488	5557	-673	-590	12459	5185	13696	2803	20447	49.80
20	4500	555	631	5686	60	1576	5626	5638	-665	-512	12496	5054	13518	2735	20285	49.86
21	4486	428	637	5551	70	1571	5578	5559	-584	-415	12384	4844	13214	2569	19797	49.81
22	4320	196	639	5155	60	1456	5578	5580	-584	-405	11895	4612	12515	2396	18903	49.70
23	4229	120	642	4991	70	1467	5450	5306	-587	-531	11352	4347	11906	2279	17978	49.73
24	4197	115	645	4957	73	1454	5307	5370	-587	-513	11367	3720	11728	2173	17260	49.62
MUs	108.89	8.97	15.22	133.09	1.71	38.42	130.05	129.14	-13.22	-11.48	291.41	92.73	318.40	56.58	440.73	49.71

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/2011

Position as on 6.30 Hrs of 10/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	
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem, Preparation for P.G. Test.	23/11/2011
Chandrapur Unit 5	500	08/11/2011	06:21		Continued.	Boiler Tube Leakage	11/11/2011
CPP WPCL U-3	135	09/11/2011	00.01	10/11/2011	01.29	Bottom Ash Problem	
Koyna Unit 1	75	09/11/2011	05.50		Continued.	Turbine Problem.	12/11/2011
Parli Unit 7	250	09/11/2011	18.10		Continued.	Air Heater Rotor Blocked.	10/11/2011
Khaparkheda Unit 2	210	10/11/2011	00.30	10/11/2011	05.41	Flame Failure.	
CPP WPCL U-2	135	10/11/2011	01.39		Continued.	For Maintenance Work.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Nov/2011

Position as on 6.30 Hrs of 10/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
Badnera - Deoli (PGCIL)	09/11/2011	07.53	09/11/2011	19.24	For Carrying out Stringing Work of 400KV D/C Chandrapur Line.
Wardha - Deoli (PGCIL)	09/11/2011	07.55	09/11/2011	19.01	For Carrying out Stringing Work of 400KV D/C Chandrapur Line.
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	10.26		Continued.	Over Voltage
Karad - Solapur (PGCIL)	07/11/2011	22:13		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	08/11/2011	22.56	09/11/2011	11.03	Over Voltage
Kolhapur-Mapusa-II	08/11/2011	22.58	09/11/2011	09.51	Over Voltage
Dhule - S'Sarovar- II	09/11/2011	22.36		Continued.	Over Voltage.
Kolhapur - Mapusa - I	09/11/2011	22.36		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
400/132KV 200 MVA ICT-II @ Bhusawal	08/11/2011	08.38		Continued.	Filtration of Oil upto 13/11/2011
400/220KV,315MVA ICT-I at Karad	09/11/2011	10.58		Continued.	Main Bus - I Outage.
Dabhol - Nagothane - I	09/11/2011	13.09	09/11/2011	18.31	Hot Spot @ Dabhol End.
Main Bus - I @ Karad	09/11/2011	13.10		Continued.	For Connecting Existing 400KV M.B.-I to Newly Consorveted Bus of 400KV Karad-Jaigad Line.
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
Koradi-Ambazari-I	08/11/2011	09.30	09/11/2011	17.03	Main Bkr O/H work(Ckt on TBC for 2 Days)
Peth-Nigde	08/11/2011	09.35	09/11/2011	15.08	LA Replacement
220/100KV,125 MVA T/F-II at Jambhul	08/11/2011	13.50		Continued.	Inspection and Rectification of Gasformation upto 29/11/2011
Wadkhal-IPCL-II	09/11/2011	08.35	09/11/2011	17.35	Replacement of C T P T (Metering).
Talangade-Mumewadi-II	09/11/2011	09.51	09/11/2011	19.50	Outage.
Mudsinghi - Mumewadi - I	09/11/2011	09.54	09/11/2011	19.40	Outage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Nov/2011

Position as on 6.30 Hrs of 10/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/132KV 200 MVA ICT-II @ Amravati	09/11/2011	10.00	09/11/2011	14.55	Repairing of Gear Box of M.B.Isolator.
Wadkhal - Ndil - I	09/11/2011	10.15	09/11/2011	18.35	Replacement of C T P T (Metering).
Main Bus - II @ Wadkhal	09/11/2011	10.15	09/11/2011	17.00	Maintenance Work.
Uran-Kharghar-II	09/11/2011	11.01	09/11/2011	15.37	Hot Spot.
Mudshingi - Talandage - I	09/11/2011	12.02	09/11/2011	18.33	Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,100 MVA Spare Unit at Korady	31/10/2011	02.36		Continued.	Buchholz Alarm received
Karad - Kolhapur - I	06/11/2011	16.22		Continued.	Over Voltage.
Bhusawal- Aurangabad	09/11/2011	21.57		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	12/10/2011	19.56		Continued.	For System Stability.
Murud-Bale	08/11/2011	07.35		Continued.	Loading Problem
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		
220/132 KV 200 MVA ICT @ Ambazari	09/11/2011	11.02	09/11/2011	11.24	Tripped From L V Side Only.No Indication.
Miraj-Maisal	10/11/2011	05.15	10/11/2011	05.55	Bus Bar Protection Operated.
Miraj -Vita	10/11/2011	05.15	10/11/2011	05.55	Bus Bar Protection Operated.
Miraj-Karad	10/11/2011	05.15	10/11/2011	05.55	Bus Bar Protection Operated.
Miraj -Ichalkarajni	10/11/2011	05.15	10/11/2011	05.55	Bus Bar Protection Operated.
220/33 KV 50 MVA T/F - I @ Miraj	10/11/2011	05.15		Continued.	R Ph. C T Burst.
220/110KV 100 MVA ICT-II @ Miraj.	10/11/2011	05.15	10/11/2011	05.55	Bus Bar Protection Operated.
220/100 KV,200MVA ICT-I at Miraj	10/11/2011	05.15	10/11/2011	05.55	Bus Bar Protection Operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Chikhali - Dhad	09/11/2011	08.37	09/11/2011	10.56	Distance Protection Operated Z-I B Ph.
Harangul-Chakur	09/11/2011	12.55	09/11/2011	13.05	Tripped on O/C E/F.
Padegaon-Sawangi	09/11/2011	15.05	09/11/2011	18.14	Dist.Prot.Operated Z-I R Y Ph.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa - Salsette - II	09/11/2011	14.48	09/11/2011	14.54	Earth Fault.
null					
Voltage Level : 220KV			Outage Type TRIPPED		
220/33 KV T/F II AT Miraj	10/11/2011	05.15	10/11/2011	05.55	Bus Bar Protection Operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Nov/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	170
Unit 7	210	0
	620	305
Bhusawal		
Unit 2	210	120
Unit 3	210	120
Unit 4	500	
	920	240
Parli		
Unit 3	210	150
Unit 4	210	165
Unit 5	210	140
Unit 6	250	170
Unit 7	250	0
	1130	625
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	150
Unit 4	210	190
Unit 5	500	0
Unit 6	500	450
Unit 7	500	430
	2340	1360
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	180
Unit 2	210	50
Unit 3	210	180
Unit 4	210	180
Unit 5	500	
	1340	590
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	182
	630	566
Uran		
All Units	852	630
	852	630
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		
KDPH	40	18
VTRNA	60	12
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	8
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	25
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	1100
WARDHA	405	245
Other CPPs	0	
	1005	1345
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	5460
	3455	5460

	17900	7 of 7	15066
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