



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Sep/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Sep/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	70.593	1239.452	1) Madhya Pradesh	77.028	1088.930
2) Hydro	7.086	154.090	2) Gujrat	28.324	565.383
3) Gas	15.888	295.932	3) Goa	-5.297	-103.968
Total MSGENCO	93.567	1689.474	4) TAPS 1&2 (Inj.)	7.771	142.491
B) OTHERS			5) Pench (Excess)	-0.732	-3.632
1) RGPPL Gas	37.249	679.185	# Total Cent. Sector	107.094	1689.204
2) Wind Generation	4.717	213.726	F) Other Exchanges		
3) CPP / IPP	3.611	175.777	1) With TPCL (Excess)	-8.514	-181.866
4) PENCH (MS)	0.732	3.632	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	10.426	136.459
1) TPCL Thermal	23.403	443.487	Include PX	6.912	100.186
2) TPCL Hydro	0.555	89.034	2) MUMBAI Bilateral	9.340	195.153
TOTAL TPCL	23.958	532.521	Include PX	1.272	33.691
3) REL Thermal	12.588	238.259	3) MUMBAI Schedule	9.340	195.153
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	106.584	1921.198	1) MSEDCL	238.456	4269.132
2) Hydro (A2+B3+C2)	8.373	246.756	2) TPCL	29.477	633.053
3) Gas (A3+B1)	53.137	975.117	3) REL	15.579	319.667
4) Wind (B2)	4.717	213.726	TOTAL STATE	283.512	5221.852
5) CPP (B3)	3.611	175.777			
TOTAL STATE	176.422	3532.574			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	2943	3029	2759
MSGENCO Hydro	205	1233	135
MSGENCO Gas	648	658	673
MSGENCO Total Generation	3796	4920	3567
Central Sector Receipt	4723	4752	4029
RGPPL	1542	1551	1562
WIND	109	248	240
CPP / IPP	124	144	164
Exchange with TPCL	-401	-451	-129
MSEDCL DEMAND MET	9919	11217	9483
Load Shedding	1673	2501	312
MSEDCL DEMAND (INCL. LS)	11592	13718	9795
TPCL GENERATION	1132	1207	891
REL GENERATION	526	522	525
TPCL+REL DEMAND	2059	2180	1545
STATE DEMAND MET	11978	13397	11028
STATE DEMAND (INCL. LS)	13651	15898	11340
Frequency (Hz)	49.97	49.93	50.08
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3788 MW at 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			59.70 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.44 Hz at 14.07 Hrs	49.44 Hz at 19.28 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 19/Sep/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.61	16.10	45	0	50
Unit 2	0.88	19.25	70	20	50
Unit 3	0.99	25.40	58	8	50
Unit 4	0.00	0.00	0	0	0
Unit 5	3.35	36.25	151	130	145
Unit 6	3.14	50.85	146	115	125
Unit 7	3.32	63.24	150	120	150
	12.29	211.10			570
Bhusawal					
Unit 1	0.00	0.64	0	0	0
Unit 2	1.94	36.44	110	60	100
Unit 3	1.53	22.58	99	0	100
	3.47	59.66			200
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	2.82	0	0	0
Unit 3	0.00	19.56	0	0	0
Unit 4	0.00	52.46	0	0	0
Unit 5	0.00	38.58	0	0	0
Unit 6	3.40	49.67	196	96	125
Unit 7	1.63	19.93	181	0	0
	5.04	183.03			125
Chandrapur					
Unit 1	3.02	34.36	145	105	120
Unit 2	0.00	17.58	0	0	0
Unit 3	0.00	12.20	0	0	0
Unit 4	3.08	18.31	160	74	120
Unit 5	5.44	98.56	270	55	250
Unit 6	5.13	74.98	260	170	250
Unit 7	5.37	54.78	287	173	225
	22.03	310.77			965
Paras					
Unit 2	0.95	12.13	41	37	36
Unit 3	3.22	41.19	169	79	120
Unit 4	2.02	35.56	124	55	120
	6.19	88.88			276
Khaparkheda					
Unit 1	4.37	83.26	205	145	190
Unit 2	0.00	0.00	0	0	0
Unit 3	4.37	79.45	194	159	190
Unit 4	4.12	57.96	174	170	170
	12.86	220.68			550
Nasik					
Unit 1	1.74	23.68	85	52	71
Unit 2	0.00	11.52	0	0	0
Unit 3	3.42	41.45	170	115	122
Unit 4	0.00	42.02	0	0	0
Unit 5	3.58	46.65	171	117	132
	8.73	165.32			325
Koyna					
Stage 1-2	2.47	38.40	530	35	600
Stage 4	0.00	0.00	0	0	0
Stage 3	0.68	17.45	314	0	320
	3.15	55.85			920
Kovna 12&4 Total	2.47	38.40			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.89	295.93	679	641	640
		15.89	295.93			640
Hydro						
KDPH		0.00	13.54	0	0	0
VTRNA		0.00	5.43	0	0	0
TILLARI		0.10	5.06	60	0	60
BHTGR/VEER		0.07	2.87	3	2	3
BHIRA T.R.		0.31	8.14	41	0	41
RNGR+BHTSA		0.45	7.77	19	18	19
BHANDARDRA		0.54	11.89	35	14	21
ELDARY		0.52	9.94	23	20	20
SMLHY PTN		0.85	16.45	46	30	0
GHATGHAR		1.08	17.15	250	0	0
		3.93	98.24			164
PENCH (MS)						
Pench (MS)		0.73	3.63	53	0	0
		0.73	3.63			0
Wind						
MalharPeth		0.08	10.14			
Vankuswadi		0.22	20.78			
ATIT		0.03	7.76			
Kale		0.13	8.31			
Satara		0.42	20.40			
Shirala		0.16	7.88			
K Mahankal		0.03	7.98			
Supa		0.04	3.06			
Vita		0.69	35.54			
Dondaicha		2.04	51.19			
Sakri		0.30	10.68			
Nandurbar		0.30	6.15			
Khandke		0.14	13.64			
Khaparale		0.15	10.22			
		4.72	213.73			
CPP						
TOTAL CPP		3.61	175.78			
		3.61	175.78			
Dabhol						
RGPPL		37.25	679.18	1564	1541	1575
		37.25	679.18			1575
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.34	183.06	500	350	500
Trombay 6		5.03	82.91	350	150	500
Trombay 7A		2.93	55.48	124	120	120
Trombay 7B		1.62	30.67	68	67	60
Trombay 8		3.48	91.36	227	100	250
TATA Hydro		0.56	89.03	185	0	447
		23.96	532.52			1877
REL						
1&2		12.59	238.26	526	522	500
		12.59	238.26			500
Cent Sect						
Share						4221
						4221
MS PG CL	Thermal	70.59	1239.45			3011
	Thml+Gas	86.48	1535.38			3651
	Hydro	7.09	154.09			1084
	Total	93.57	1689.47			4735
State Total		176.42	3532.57			12908

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/Sep/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP / IPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	2896	159	678	3733	1555	264	172	3808	4126	-380	-323	9577	1215	10792	1862	12654	49.79
2	2893	144	679	3716	1561	242	167	3740	3890	-308	-255	9371	1215	10586	1735	12321	49.98
3	2759	150	670	3579	1561	213	166	3668	4114	-240	-180	9503	735	10238	1612	11850	50.04
4	2759	135	673	3567	1562	240	164	3594	4029	-169	-129	9483	312	9795	1545	11340	50.08
5	2891	141	679	3711	1561	214	161	3595	4301	-169	-126	9849	370	10219	1541	11760	50.03
6	2865	134	677	3676	1558	178	160	3596	4489	-169	-129	9959	908	10867	1579	12446	49.94
7	2849	145	677	3671	1558	193	152	3909	4094	-291	-250	9418	1479	10897	1669	12566	49.96
8	2907	145	669	3721	1557	173	143	3907	4444	-291	-277	9761	1712	11473	1637	13110	49.98
9	2869	174	669	3712	1553	159	146	3922	4314	-389	-356	9528	1789	11317	1759	13076	50.05
10	2988	266	658	3912	1546	179	150	3951	4534	-443	-411	9914	1684	11598	1891	13489	49.95
11	2940	237	660	3837	1551	121	153	3948	4603	-443	-392	9899	1694	11593	1962	13555	50.10
12	2943	205	648	3796	1542	109	124	3947	4723	-443	-401	9919	1673	11592	2059	13651	49.97
13	2945	150	648	3743	1543	97	128	3955	4764	-443	-415	9886	1617	11503	2052	13555	50.01
14	2860	143	646	3649	1547	104	137	3984	4844	-443	-417	9891	1606	11497	1995	13492	50.14
15	3032	137	641	3810	1543	189	145	3983	4573	-443	-438	9849	1593	11442	1919	13361	50.11
16	2983	133	646	3762	1543	208	141	3983	4694	-443	-430	9945	1306	11251	1889	13140	50.10
17	3001	127	647	3775	1543	222	151	3984	4601	-443	-401	9918	1378	11296	1888	13184	50.14
18	2977	132	656	3765	1541	227	153	3977	4334	-443	-419	9628	2190	11818	1896	13714	49.95
19	3056	638	654	4348	1545	223	141	3990	4235	-359	-360	10164	2744	12908	1960	14868	49.94
20	3029	1233	658	4920	1551	248	144	4129	4752	-499	-451	11217	2501	13718	2180	15898	49.93
21	3076	1070	664	4810	1556	226	155	4155	4664	-523	-487	10977	2422	13399	2187	15586	49.98
22	3143	812	665	4620	1556	242	131	4173	4550	-521	-490	10629	2354	12983	2168	15151	50.02
23	3084	315	660	4059	1552	238	162	3966	4902	-521	-491	10472	2258	12730	2096	14826	49.88
24	2848	161	666	3675	1564	208	165	3882	4520	-522	-486	9699	2004	11703	1979	13682	50.08
MUs	70.59	7.09	15.89	93.57	37.25	4.72	3.61	93.75	107.09	-9.34	-8.51	238.46	38.76	277.22	45.06	322.28	50.01

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)

Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 19/Sep/2010

Position as on 6.30 Hrs of 20/Sep/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	30/12/2010
Koyna ST-IV 1	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST-IV 2	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST - IV 4	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST - IV 3	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Cent_Sect KARPR2	220	14/08/2010	14:16		Continued.	Annual Overhaul.	30/09/2010
Koradi Unit 4	115	24/08/2010	06.02		Continued.	Annual Overhaul.	05/10/2010
Khaparkheda Unit 2	210	27/08/2010	23.40		Continued.	Capital Overhaul	05/10/2010
Nasik Unit 4	210	15/09/2010	10.55		Continued.	Annual Overhaul.	10/10/2010
Cent_Sect NTPC(V-6)	210	19/09/2010	13.56		Continued.	Annual overhaul.	09/10/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Parli Unit 1	30	18/06/2010	12:11		Continued.	For Scrapping.	
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/09/2010
Bhusawal Unit 1	58	01/09/2010	23.30		Continued.	Wet Coal	20/09/2010
Nasik Unit 2	125	10/09/2010	01.00		Continued.	Bunkering Problem.	20/09/2010
Chandrapur Unit 3	210	14/09/2010	23.38		Continued.	Furnance Pressure High	
Parli Unit 2	30	16/09/2010	15.20		Continued.	Furnance Pressure High.	
Parli Unit 3	210	17/09/2010	05.33		Continued.	Furnance Pressure High	20/09/2010
Parli Unit 5	210	17/09/2010	14.07		Continued.	Furnance Pressure High.	20/09/2010
Parli Unit 7	250	17/09/2010	16.15	19/09/2010	07.10	High Furnance Pressure.	
Chandrapur Unit 2	210	18/09/2010	00.20		Continued.	Furnance Pressure High.	20/09/2010
CPP JSW_JAIGAD	300	18/09/2010	16.00		Continued.	Planned shutdown.	23/09/2010
Parli Unit 4	210	18/09/2010	20.13	20/09/2010	03.06	High furnace pressure.	
Bhusawal Unit 3	210	19/09/2010	07.43	19/09/2010	11.18	W/Dn.due to Blr, tripped.	
Koradi Unit 1	105	19/09/2010	18.18		Continued.	Boiler tube leakage.	22/09/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Sep/2010

Position as on 6.30 Hrs of 20/Sep/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
BOISER - PGCIL-II	19/09/2010	09.09	19/09/2010	14.21	Attending hot spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - II	04/09/2010	12.29		Continued.	Over Voltage.
Kolhapur - Mapusa - I	06/09/2010	17.51		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	18/09/2010	21.54	19/09/2010	14.51	Over Voltage.
Dhule-Sar'Sarovar - II	19/09/2010	23.14		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - II	01/09/2010	01.48		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	19/09/2010	04.50	19/09/2010	06.34	Distance protection.
Kalmeshwar - Pandurna	19/09/2010	15.22	19/09/2010	15.56	Distance protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Main Bus-I At Stage-4 Koyna.	12/08/2010	11.50		Continued.	Routine Maintainance Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125MVA ICT-IV @ Kalwa	02/08/2010	10.10		Continued.	Repl.125 MVA ICT by 200 MVA New ICT.
220/100 125 MVA ICT - II @ Trombay	23/08/2010	12.17		Continued.	Dismantling of existing ICT and commissioning of New 200MVA ICT
220/6.6 KV Stn Tr - II @ K'Kheda	06/09/2010	08.58		Continued.	Annual Maint.of Bay
Aarey-Versova-I	19/09/2010	09.00	19/09/2010	11.48	To work on 33KV Net work.
Vita - Miraj	19/09/2010	10.03	19/09/2010	14.10	Replacement of faulty insulator.
Bus section-I At Borivali.	19/09/2010	22.34	20/09/2010	00.15	R Ph.jumper bottom palm nut bolt replacement work.
Kalwa - Borivali	20/09/2010	05.55		Continued.	Red Hot work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Borivali (MSEB)- Borivali (T)	19/09/2010	22.23	20/09/2010	00.45	Emergency outage on 220KV M.B.section No.1 At Boriali.
Borivali-Mulund	19/09/2010	22.23	20/09/2010	00.24	Emergency outage on 220KV M.B.section No.1 At Boriali.
Borivali-Tarapur	19/09/2010	22.27	20/09/2010	00.35	Emergency outage on 220KV M.B.section No.1 At Boriali.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
80 MVAR Line Reactor of Lonikand - Karad @ Karad	04/03/2010	11.58		Continued.	Red Hot Spot Observed on Earthing.
Karad - Kolhapur - I	18/09/2010	22.23		Continued.	Over Voltage.
Karad-Lamboti	19/09/2010	00.35	19/09/2010	07.31	Over Voltage.
Lonikand- Koyna Stage IV	19/09/2010	01.43	19/09/2010	07.31	Over Voltage.
Koradi - Kaparkheda	19/09/2010	12.59	19/09/2010	13.28	For change over from Bus-II to Bus-I
Lonikand- Koyna Stage IV	19/09/2010	23.30		Continued.	Over Voltage
Karad-Lamboti	19/09/2010	23.36		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Sep/2010

Position as on 6.30 Hrs of 20/Sep/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Boiser - Borivali	19/09/2010	10.07	19/09/2010	14.25	For control loading Boiser-PGCIL Ckt.I
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal- Aurangabad	06/09/2010	22.45		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.
220/100KV 200MVA T/F-II @APTA	15/08/2010	21.10		Continued.	Tripped on Diff.Prot.CTR system operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Girwali - Latur MIDC	19/09/2010	14.20	19/09/2010	21.25	SOTF,break down declared.
Girwali - Renapur	19/09/2010	16.32	19/09/2010	20.28	SOTF,break down declared.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Sep/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	40
Unit 3	105	55
Unit 4	105	0
Unit 5	200	130
Unit 6	210	140
Unit 7	210	135
	1040	500
Bhusawal		
Unit 1	58	0
Unit 2	210	100
Unit 3	210	70
	478	170
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	0
Unit 4	210	88
Unit 5	210	0
Unit 6	250	175
Unit 7	250	170
	1190	433
Chandrapur		
Unit 1	210	145
Unit 2	210	0
Unit 3	210	0
Unit 4	210	150
Unit 5	500	250
Unit 6	500	200
Unit 7	500	200
	2340	945
Paras		
Unit 2	55	35
Unit 3	250	160
Unit 4	250	125
	555	320
Khaparkheda		
Unit 1	210	170
Unit 2	210	0
Unit 3	210	190
Unit 4	210	170
	840	530
Nasik		
Unit 1	120	80
Unit 2	120	0
Unit 3	210	160
Unit 4	210	0
Unit 5	210	160
	870	400
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	320
	1920	920
Uran		
All Units	852	640

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	640
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	41
RNGR+BHTSA	20	19
BHANDARDRA	45	21
ELDARY	23	20
SMLHY PTN	12	26
GHATGHAR	250	0
	611	190
PENCH (MS)		
Pench (MS)	53	
	53	
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		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1575
	960	1575
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	105
Trombay 7B	60	45
Trombay 8	250	250
TATA Hydro	444	447
	2024	1847
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	4080
	3143	4080

	17376	7 of 7	13050
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