



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Sep/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Sep/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	70.132	1381.894	1) Madhya Pradesh	78.619	1246.769
2) Hydro	9.856	171.458	2) Gujrat	34.190	629.341
3) Gas	14.997	326.653	3) Goa	-6.258	-116.325
Total MSGENCO	94.985	1880.005	4) TAPS 1&2 (Inj.)	7.079	157.318
B) OTHERS			5) Pench (Excess)	-1.119	-5.901
1) RGPPL Gas	37.198	753.517	# Total Cent. Sector	112.511	1911.202
2) Wind Generation	1.768	219.163	F) Other Exchanges		
3) CPP / IPP	4.122	183.917	1) With TPCL (Excess)	-12.402	-206.327
4) PENCH (MS)	1.119	5.901	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	9.272	155.579
1) TPCL Thermal	26.708	496.395	Include PX	5.760	112.282
2) TPCL Hydro	3.314	95.524	2) MUMBAI Bilateral	13.247	221.551
TOTAL TPCL	30.022	591.919	Include PX	3.189	39.944
3) REL Thermal	12.576	263.422	3) MUMBAI Schedule	13.247	221.551
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	109.416	2141.711	1) MSEDCL	239.301	4747.378
2) Hydro (A2+B3+C2)	14.289	272.883	2) TPCL	36.586	705.681
3) Gas (A3+B1)	52.195	1080.170	3) REL	18.411	356.058
4) Wind (B2)	1.768	219.163	TOTAL STATE	294.298	5809.117
5) CPP (B3)	4.122	183.917			
TOTAL STATE	181.790	3897.844			

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	2898	3105	2762
MSGENCO Hydro	466	1209	100
MSGENCO Gas	658	665	504
MSGENCO Total Generation	4022	4979	3366
Central Sector Receipt	4913	5294	4482
RGPPL	1544	1537	1565
WIND	40	65	88
CPP / IPP	181	182	149
Exchange with TPCL	-814	-515	-144
MSEDCL DEMAND MET	9939	11592	9556
Load Shedding	2193	2396	729
MSEDCL DEMAND (INCL. LS)	12132	13988	10285
TPCL GENERATION	1482	1678	895
REL GENERATION	527	519	526
TPCL+REL DEMAND	2823	2712	1565
STATE DEMAND MET	12762	14304	11121
STATE DEMAND (INCL. LS)	14955	16700	11850
Frequency (Hz)	49.95	49.66	50.05
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4362 MW at 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			75.38 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.33 Hz at 23.51 Hrs	49.06 Hz at 18.43 Hrs	49.9	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 21/Sep/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	16.10	0	0	0
Unit 2	1.20	21.87	66	20	55
Unit 3	0.93	27.84	57	18	50
Unit 4	0.00	0.00	0	0	0
Unit 5	2.04	41.16	130	56	75
Unit 6	1.62	55.32	146	0	35
Unit 7	2.35	68.62	115	55	85
	8.14	230.90			300
Bhusawal					
Unit 1	0.00	0.64	0	0	0
Unit 2	2.42	41.63	135	55	130
Unit 3	2.36	26.73	135	70	140
	4.78	68.99			270
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	2.65	57.75	155	0	140
Unit 5	1.54	40.14	130	0	100
Unit 6	2.35	55.49	159	0	100
Unit 7	1.95	25.51	126	0	100
	8.49	201.28			440
Chandrapur					
Unit 1	2.37	39.64	114	87	100
Unit 2	0.03	17.62	25	0	100
Unit 3	1.95	15.30	114	0	0
Unit 4	2.27	23.00	142	68	70
Unit 5	4.76	107.92	220	155	200
Unit 6	4.86	83.36	280	160	200
Unit 7	5.66	65.54	288	200	200
	21.90	352.37			870
Paras					
Unit 2	0.92	13.99	42	30	40
Unit 3	3.23	48.16	167	85	130
Unit 4	3.08	41.59	162	91	140
	7.23	103.74			310
Khaparkheda					
Unit 1	3.83	91.10	210	120	150
Unit 2	0.00	0.00	0	0	0
Unit 3	3.69	87.42	169	136	160
Unit 4	3.42	65.26	157	134	150
	10.94	243.77			460
Nasik					
Unit 1	1.75	27.10	86	60	71
Unit 2	0.00	11.52	0	0	0
Unit 3	3.44	47.23	180	100	142
Unit 4	0.00	42.02	0	0	0
Unit 5	3.45	52.98	184	117	132
	8.64	180.85			345
Koyna					
Stage 1-2	5.14	46.64	545	40	600
Stage 4	0.00	0.00	0	0	0
Stage 3	1.26	19.60	320	0	320
	6.39	66.24			920
Kovna 12&4 Total	5.14	46.64			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.00	326.65	670	465	640
		15.00	326.65			640
Hydro						
KDPH		0.00	13.54	0	0	0
VTRNA		0.00	5.43	0	0	0
TILLARI		0.00	5.06	0	0	0
BHTGR/VEER		0.10	3.07	4	4	4
BHIRA T.R.		0.41	8.84	41	0	41
RNGR+BHTSA		0.28	8.50	19	3	0
BHANDARDRA		0.12	12.12	5	5	4
ELDARY		0.15	10.50	8	6	11
SMLHY PTN		0.68	18.01	35	25	19
GHATGHAR		1.73	20.14	250	0	0
		3.46	105.21			79
PENCH (MS)						
Pench (MS)		1.12	5.90	54	20	
		1.12	5.90			
Wind						
MalharPeth		0.04	10.23			
Vankuswadi		0.15	21.12			
ATIT		0.01	7.80			
Kale		0.03	8.46			
Satara		0.04	20.76			
Shirala		0.02	8.01			
K Mahankal		0.01	8.01			
Supa		0.06	3.16			
Vita		0.10	36.26			
Dondaicha		0.96	53.70			
Sakri		0.13	11.06			
Nandurbar		0.14	6.55			
Khandke		0.04	13.70			
Khaparale		0.03	10.35			
		1.77	219.16			
CPP						
TOTAL CPP		4.12	183.92			
		4.12	183.92			
Dabhol						
RGPPL		37.20	753.52	1566	1531	1575
		37.20	753.52			1575
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		11.28	205.07	490	400	500
Trombay 6		5.99	94.94	470	150	500
Trombay 7A		2.91	61.30	124	118	120
Trombay 7B		1.62	33.90	68	67	60
Trombay 8		4.90	101.19	240	152	250
TATA Hydro		3.31	95.52	348	0	447
		30.02	591.92			1877
REL						
1&2		12.58	263.42	527	516	500
		12.58	263.42			500
Cent Sect						
Share						3979
						3979
MS PG CL	Thermal	70.13	1381.89			2995
	Thml+Gas	85.13	1708.55			3635
	Hydro	9.86	171.46			999
	Total	94.98	1880.00			4634
State Total		181.79	3897.84			12565

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	2929	114	661	3704	1561	92	148	3642	4502	-388	-348	9712	1176	10888	1889	12777	49.91
2	2825	105	662	3592	1565	100	150	3572	4311	-316	-280	9491	1204	10695	1768	12463	50.05
3	2796	114	663	3573	1566	94	150	3503	4266	-248	-207	9492	1019	10511	1659	12170	50.07
4	2762	100	504	3366	1565	88	149	3434	4482	-177	-144	9556	729	10285	1565	11850	50.05
5	2819	100	548	3467	1564	98	152	3471	4581	-177	-143	9773	856	10629	1571	12200	49.96
6	2833	246	656	3735	1562	122	155	3502	4551	-177	-155	9990	1410	11400	1625	13025	49.85
7	2926	146	667	3739	1564	99	149	3720	3952	-299	-272	9259	2307	11566	1800	13366	49.93
8	2927	101	667	3695	1563	108	154	3743	3849	-323	-298	9098	2499	11597	1884	13481	50.06
9	3024	152	656	3832	1558	89	163	3865	4373	-469	-455	9580	2535	12115	2173	14288	49.94
10	2974	255	660	3889	1547	60	161	4127	4461	-708	-689	9479	2523	12002	2513	14515	49.94
11	2870	175	658	3703	1548	45	173	4239	4923	-828	-809	9636	2184	11820	2760	14580	49.96
12	2898	466	658	4022	1544	40	181	4267	4913	-857	-814	9939	2193	12132	2823	14955	49.95
13	2856	702	655	4213	1541	42	185	4294	4633	-857	-850	9814	2143	11957	2802	14759	49.98
14	2840	759	465	4064	1535	43	193	4220	4718	-785	-785	9818	2106	11924	2694	14618	49.86
15	2779	725	473	3977	1531	44	189	4217	4974	-785	-777	9988	2194	12182	2730	14912	49.75
16	2778	515	505	3798	1536	46	183	4302	5039	-785	-781	9871	2208	12079	2749	14828	49.88
17	2811	245	640	3696	1539	46	181	4303	4653	-785	-783	9385	2454	11839	2760	14599	49.91
18	2976	225	638	3839	1537	64	176	4224	4706	-713	-703	9672	2578	12250	2658	14908	49.87
19	3117	691	635	4443	1533	70	184	4019	4833	-504	-503	10613	2656	13269	2628	15897	49.58
20	3105	1209	665	4979	1537	65	182	4152	5294	-644	-515	11592	2396	13988	2712	16700	49.66
21	3080	1161	662	4903	1541	65	184	4160	5552	-644	-468	11827	2313	14140	2539	16679	49.67
22	2960	869	664	4493	1551	80	194	4200	5073	-618	-569	10872	2243	13115	2325	15440	49.89
23	3030	570	665	4265	1553	77	199	4121	4974	-577	-524	10593	2047	12640	2239	14879	49.90
24	3217	111	670	3998	1557	91	187	3891	4898	-583	-530	10251	1875	12126	2134	14260	50.03
MUs	70.13	9.86	15.00	94.98	37.20	1.77	4.12	95.19	112.51	-13.25	-12.40	239.30	47.85	287.15	55.00	342.15	49.90

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 21/Sep/2010

Position as on 6.30 Hrs of 22/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	22/09/2010
Nasik Unit 2	125	10/09/2010	01.00		Continued.	Bunkering Problem.	22/09/2010
Parli Unit 2	30	16/09/2010	15.20		Continued.	Furnace Pressure High.	
Parli Unit 3	210	17/09/2010	05.33		Continued.	Furnance Pressure High	22/09/2010
Chandrapur Unit 2	210	18/09/2010	00.20	21/09/2010	22.24	Furnace Pressure High.	
CPP JSW_JAIGAD	300	18/09/2010	16.00		Continued.	Planned shutdown.	23/09/2010
Koradi Unit 1	105	19/09/2010	18.18		Continued.	Boiler tube leakage.	22/09/2010
Uran Unit 5	108	21/09/2010	03.41	21/09/2010	04.35	Boiler Protection	
Chandrapur Unit 3	210	21/09/2010	10.05	21/09/2010	13.10	Furnance Pressure High	
Parli Unit 4	210	21/09/2010	13.07	21/09/2010	17.37	Flame Failure	
Parli Unit 5	210	21/09/2010	14.10	21/09/2010	18.57	Furnance Pressure High	
Parli Unit 6	250	21/09/2010	19.40	21/09/2010	23.29	Flame Failure	
Koradi Unit 6	210	21/09/2010	20.08	21/09/2010	22.11	Coal Mill Trip	
Parli Unit 7	250	21/09/2010	21.27	21/09/2010	23.24	Main Steam Temp.Low	
Chandrapur Unit 2	210	22/09/2010	00.03		Continued.	IPT Diff.Expansion	23/09/2010
Chandrapur Unit 4	210	22/09/2010	01.27		Continued.	Boiler Tube Leakage	25/09/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Sep/2010

Position as on 6.30 Hrs of 22/Sep/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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
Wardha - Akola - I	21/09/2010	17.45		Continued.	Interchange
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - II	01/09/2010	01.48	21/09/2010	17.34	Over Voltage.
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.
Newkoyna - Jaigad - I	20/09/2010	08.00		Continued.	Coupling of 400KV GIS Stage-II with Stage-I
Karad - Kolhapur - II	21/09/2010	10.26		Continued.	LA Replacement , ready for charging
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
BBLSR-Waluj	20/09/2010	08.00		Continued.	Insulator replacement
Vita - Ghatnandre	21/09/2010	08.32	21/09/2010	18.07	Disc Insulator replacement
Apta-Nagothane	21/09/2010	10.44	21/09/2010	19.31	Q.M.Work
220/22KV 50 MVA ICT- II @ Mahad	21/09/2010	11.17	21/09/2010	13.37	R.M.Work
TBC at Bhoisor	21/09/2010	11.30	21/09/2010	17.05	Repl.of Y and B phase CT
Taloja - Owenscorning	21/09/2010	11.55	21/09/2010	16.35	Q.M.work
Girwali - Parbhani	21/09/2010	13.40	21/09/2010	14.05	To attend Breaker ON/OFF Switch
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	21/09/2010	10.00	Over Voltage.
Karad-Lamboti	21/09/2010	00.54	21/09/2010	09.42	Over Voltage
Karad-Lamboti	21/09/2010	22.44		Continued.	Over Voltage
Lonikand- Koyna Stage IV	21/09/2010	23.14		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kandalgaon-Lonand	21/09/2010	13.40	21/09/2010	20.28	Tapping of SONA ALLOYS
Ambazari-Wardha	21/09/2010	19.01		Continued.	To control Koradi ICT Loading
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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Sep/2010

Position as on 6.30 Hrs of 22/Sep/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/132 KV 150 MVA ICT-I @ Akola.	21/09/2010	11.10	21/09/2010	13.59	OLTC BUCHHOLZ Prot.operated
Bhusawal-Chalisgaon-II	21/09/2010	11.35	21/09/2010	12.03	Distance Protection
Kandalgaon - Dasturi	21/09/2010	12.15	21/09/2010	12.43	Distance Protection
Lote- Dasturi	21/09/2010	12.15	21/09/2010	12.42	Distance Protection
Pedambe-Kharepatan	21/09/2010	12.20	21/09/2010	12.35	Distance Protection
Babaleshwar - Ranjangaon	21/09/2010	14.53	21/09/2010	15.11	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Girwali - Latur MIDC	21/09/2010	01.42	21/09/2010	11.26	Distance Protection
Amravati - Achalpur	21/09/2010	05.45	21/09/2010	06.15	Distance Protection
Girwali - Latur MIDC	21/09/2010	12.44	21/09/2010	17.48	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Sep/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	60
Unit 3	105	50
Unit 4	105	0
Unit 5	200	145
Unit 6	210	105
Unit 7	210	130
	1040	490
Bhusawal		
Unit 1	58	0
Unit 2	210	100
Unit 3	210	100
	478	200
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	0
Unit 4	210	150
Unit 5	210	110
Unit 6	250	100
Unit 7	250	95
	1190	455
Chandrapur		
Unit 1	210	110
Unit 2	210	0
Unit 3	210	100
Unit 4	210	0
Unit 5	500	225
Unit 6	500	275
Unit 7	500	250
	2340	960
Paras		
Unit 2	55	40
Unit 3	250	130
Unit 4	250	140
	555	310
Khaparkheda		
Unit 1	210	175
Unit 2	210	0
Unit 3	210	185
Unit 4	210	170
	840	530
Nasik		
Unit 1	120	100
Unit 2	120	0
Unit 3	210	170
Unit 4	210	0
Unit 5	210	160
	870	430
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	0
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	5
ELDARY	23	11
SMLHY PTN	12	30
GHATGHAR	250	0
	611	90
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	1568
	960	1568
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	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3661
	3143	3661

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