



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Sep/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Sep/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	67.508	316.912	1) Madhya Pradesh	50.600	240.569
2) Hydro	6.564	38.190	2) Gujrat	19.740	143.352
3) Gas	15.818	74.924	3) Goa	-4.887	-28.011
Total MSGENCO	89.890	430.026	4) TAPS 1&2 (Inj.)	7.801	38.434
B) OTHERS			5) Pench (Excess)	-0.141	-0.605
1) RGPPL Gas	37.413	170.411	# Total Cent. Sector	73.113	393.739
2) Wind Generation	16.784	82.122	F) Other Exchanges		
3) CPP / IPP	11.321	52.929	1) With TPCL (Excess)	-5.400	-39.250
4) PENCH (MS)	0.141	0.605	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.294	27.364
1) TPCL Thermal	24.494	121.822	Include PX	3.599	25.547
2) TPCL Hydro	1.027	22.940	2) MUMBAI Bilateral	6.705	42.881
TOTAL TPCL	25.521	144.762	Include PX	1.941	10.714
3) REL Thermal	12.627	63.195	3) MUMBAI Schedule	6.705	42.881
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	104.629	501.929	1) MSEDCL	223.262	1090.582
2) Hydro (A2+B3+C2)	7.732	61.735	2) TPCL	28.596	163.717
3) Gas (A3+B1)	53.231	245.335	3) REL	15.053	83.585
4) Wind (B2)	16.784	82.122	TOTAL STATE	266.911	1337.884
5) CPP (B3)	11.321	52.929			
TOTAL STATE	193.697	944.050			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	2889	2856	2749
MSGENCO Hydro	298	676	216
MSGENCO Gas	660	656	660
MSGENCO Total Generation	3847	4188	3625
Central Sector Receipt	3252	3261	2547
RGPPL	1565	1546	1564
WIND	640	788	709
CPP / IPP	476	516	449
Exchange with TPCL	-279	-346	-87
MSEDCL DEMAND MET	9501	9980	8807
Load Shedding	944	1890	0
MSEDCL DEMAND (INCL. LS)	10445	11870	8807
TPCL GENERATION	1097	1187	950
REL GENERATION	527	525	527
TPCL+REL DEMAND	1903	2058	1564
STATE DEMAND MET	11404	12038	10371
STATE DEMAND (INCL. LS)	12348	13928	10371
Frequency (Hz)	50.11	49.60	50.03
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1686 Mw at 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			21.50 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.49 Hz at 06.05 Hrs	49.35 Hz at 19.16 Hrs	49.99	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/Sep/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.74	7.35	82	60	75
Unit 3	1.60	7.44	77	51	70
Unit 4	0.00	0.00	0	0	0
Unit 5	3.34	14.87	158	126	130
Unit 6	3.26	6.30	159	105	110
Unit 7	3.36	16.30	155	120	140
	13.30	52.25			525
Bhusawal					
Unit 1	0.00	0.64	0	0	0
Unit 2	2.06	11.67	125	50	120
Unit 3	0.36	1.56	70	0	100
	2.43	13.86			220
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	1.17	0	0	0
Unit 3	0.92	3.42	126	0	0
Unit 4	3.26	15.21	149	112	135
Unit 5	2.80	13.86	143	92	110
Unit 6	3.29	16.68	186	92	270
Unit 7	0.33	6.42	82	0	0
	10.61	56.76			515
Chandrapur					
Unit 1	1.98	12.05	102	38	100
Unit 2	2.15	11.53	110	58	100
Unit 3	0.69	0.69	94	0	100
Unit 4	0.00	0.02	0	0	0
Unit 5	4.83	23.96	235	130	225
Unit 6	2.86	15.39	170	80	160
Unit 7	4.91	26.21	233	95	230
	17.42	89.85			915
Paras					
Unit 2	0.88	2.54	42	16	36
Unit 3	0.00	7.20	0	0	0
Unit 4	0.00	6.75	0	0	0
	0.88	16.49			36
Khaparkheda					
Unit 1	4.13	21.73	210	155	190
Unit 2	0.00	0.00	0	0	0
Unit 3	3.65	20.72	163	141	180
Unit 4	3.25	3.35	153	63	100
	11.03	45.80			470
Nasik					
Unit 1	1.71	3.07	86	50	80
Unit 2	1.58	7.11	79	44	80
Unit 3	2.43	10.79	150	60	120
Unit 4	3.12	8.85	161	90	140
Unit 5	3.00	12.09	149	84	140
	11.85	41.90			560
Koyna					
Stage 1-2	0.95	7.72	125	20	600
Stage 4	0.00	0.00	0	0	0
Stage 3	0.65	5.25	204	0	320
	1.60	12.97			920
Kovna 12&4 Total	0.95	7.72			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.82	74.92	670	595	640
		15.82	74.92			640
Hydro						
KDPH		0.91	4.63	38	37	36
VTRNA		0.00	0.18	0	0	0
TILLARI		0.09	1.13	60	0	60
BHTGR/VEER		0.40	0.83	17	16	7
BHIRA T.R.		0.42	2.31	82	0	80
RNGR+BHTSA		0.43	1.76	18	17	10
BHANDARDRA		0.66	3.65	34	14	29
ELDARY		0.54	2.70	23	22	22
SMLHY PTN		1.07	3.46	54	41	18
GHATGHAR		0.44	4.57	193	0	0
		4.96	25.22			262
PENCH (MS)						
Pench (MS)		0.14	0.60	27	0	
		0.14	0.60			
Wind						
MalharPeth		0.67	4.70			
Vankuswadi		1.70	9.30			
ATIT		0.24	3.52			
Kale		0.68	3.59			
Satara		3.02	7.52			
Shirala		0.52	2.63			
K Mahankal		0.08	4.87			
Supa		0.26	1.15			
Vita		2.91	13.19			
Dondaicha		3.66	16.64			
Sakri		0.75	3.58			
Nandurbar		0.41	1.82			
Khandke		1.14	5.42			
Khaparale		0.73	4.19			
		16.78	82.12			
CPP						
TOTAL CPP		11.32	52.93			
		11.32	52.93			
Dabhol						
RGPPL		37.41	170.41	1566	1546	1585
		37.41	170.41			1585
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.40	51.18	500	380	500
Trombay 6		3.82	22.48	210	150	500
Trombay 7A		2.92	14.58	123	119	120
Trombay 7B		1.62	8.10	69	67	60
Trombay 8		5.74	25.48	250	230	230
TATA Hydro		1.03	22.94	133	0	447
		25.52	144.76			1857
REL						
1&2		12.63	63.20	529	518	500
		12.63	63.20			500
Cent Sect						
Share						3239
						3239
MS PG CL	Thermal	67.51	316.91			3241
	Thml+Gas	83.33	391.84			3881
	Hydro	6.56	38.19			1182
	Total	89.89	430.03			5063
State Total		193.70	944.05			12244

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/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	2790	215	595	3600	1558	790	458	2824	2885	-226	-192	9126	0	9126	1739	10865	49.93
2	2723	204	658	3585	1562	754	438	2803	2613	-202	-56	8922	0	8922	1553	10475	50.04
3	2749	216	660	3625	1564	709	449	2734	2547	-135	-87	8807	0	8807	1564	10371	50.03
4	2833	206	660	3699	1560	627	456	2640	2659	-42	-8	8993	0	8993	1488	10481	49.96
5	2826	222	662	3710	1562	622	447	2639	2750	-42	3	9094	115	9209	1517	10726	50.01
6	2948	207	670	3825	1561	567	443	2676	2758	-42	-15	9139	602	9741	1539	11280	50.00
7	2967	192	668	3827	1565	541	436	2830	3158	-185	-143	9384	610	9994	1619	11613	50.20
8	2946	198	666	3810	1566	552	450	2834	2979	-185	-147	9210	610	9820	1627	11447	50.20
9	2925	271	665	3861	1557	564	454	2852	3271	-208	-191	9516	917	10433	1744	12177	50.01
10	2889	298	660	3847	1565	640	476	3047	3252	-313	-279	9501	944	10445	1903	12348	50.11
11	2737	275	665	3677	1566	692	459	3164	3449	-360	-335	9508	0	9508	1992	11500	50.15
12	2574	232	658	3464	1558	752	467	3129	3418	-360	-330	9329	371	9700	2061	11761	49.92
13	2634	201	654	3489	1562	772	467	3115	3026	-360	-293	9023	1001	10024	1995	12019	50.05
14	2684	196	653	3533	1558	819	471	3115	2862	-360	-293	8950	727	9677	1919	11596	50.12
15	2696	191	655	3542	1554	798	475	2997	2750	-313	-230	8889	630	9519	1875	11394	50.06
16	2711	191	660	3562	1556	772	480	2870	3083	-313	-231	9222	630	9852	1883	11735	50.11
17	2784	190	661	3635	1558	821	482	2870	2938	-313	-231	9203	633	9836	1793	11629	50.13
18	2787	196	659	3642	1555	789	505	2900	3381	-313	-249	9623	622	10245	1830	12075	50.00
19	2894	281	658	3833	1552	756	516	3132	3364	-337	-279	9742	1245	10987	1874	12861	49.75
20	2856	676	656	4188	1546	788	516	3318	3261	-403	-346	9980	1890	11870	2058	13928	49.60
21	2917	641	665	4223	1554	720	510	3365	3429	-450	-394	10069	1765	11834	2070	13904	49.80
22	2908	544	670	4122	1556	634	505	3291	3304	-449	-392	9756	1650	11406	2054	13460	49.86
23	2959	323	670	3952	1558	709	486	3042	3072	-425	-368	9416	1230	10646	1983	12629	49.82
24	2771	198	670	3639	1560	596	475	2885	2904	-369	-314	8860	962	9822	1868	11690	49.88
MUs	67.51	6.56	15.82	89.89	37.41	16.78	11.32	71.07	73.11	-6.70	-5.40	223.26	17.15	240.42	43.55	283.96	49.99

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 05/Sep/2010

Position as on 6.30 Hrs of 06/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.	06/09/2010
Cent_Sect NTPC(V-8)	500	20/08/2010	00.46		Continued.	AOH.	15/09/2010
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
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
Koradi Unit 1	105	25/08/2010	11.51		Continued.	Boiler Inspection.	04/09/2010
Chandrapur Unit 3	210	31/08/2010	08.05	05/09/2010	05.27	Furnace Pressure High.	
Parli Unit 3	210	01/09/2010	21.41	05/09/2010	12.05	ESP Field Problem	
Bhusawal Unit 1	58	01/09/2010	23.30		Continued.	Wet Coal	06/09/2010
Paras Unit 3	250	04/09/2010	00.06		Continued.	CHP Belt replacement.	
Cent_Sect Gandhar U3	144	04/09/2010	00.09		Continued.	Low demand.	
Paras Unit 4	250	04/09/2010	03.38		Continued.	Bunkering problem.	
Chandrapur Unit 4	210	04/09/2010	09.04	06/09/2010	02.43	Tripped due to axial shift very high.	
Cent_Sect NTPC(V-3)	210	04/09/2010	12.00	05/09/2010	21.38	Boiler tube leakage.	
Parli Unit 7	250	04/09/2010	13.31	05/09/2010	01.17	Main steam temp.low.	
Parli Unit 7	250	05/09/2010	06.32		Continued.	Steam Temp.low.	06/09/2010
Bhusawal Unit 3	210	05/09/2010	08.55		Continued.	Coal Mill Problem.	07/09/2010
Chandrapur Unit 3	210	05/09/2010	17.11	05/09/2010	22.03	Loss of Fuel.	
Cent_Sect NTPC(K-6)	500	05/09/2010	23.50		Continued.	Boiler tube leakage.	08/09/2010
Parli Unit 3	210	06/09/2010	06.08		Continued.	Tripped	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Sep/2010

Position as on 6.30 Hrs of 06/Sep/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	12/08/2010	21.27		Continued.	Over Voltage.
Dhule - S'Sarovar- II	26/08/2010	22.08		Continued.	Over Voltage.
Wardha - Akola - I	28/08/2010	12.25		Continued.	Change Over
Akola - Aurangabad - II	04/09/2010	12.29		Continued.	H/T for O/V.
Dhule-Sar'Sarovar - I	04/09/2010	23.17		Continued.	H/T for O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - II	01/09/2010	01.48		Continued.	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 Maintenance Work.
STG IV-N.Koyna -I	01/09/2010	09.40		Continued.	Bay Maintenance
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
Bus Section - II @ Nasik	30/08/2010	11.02	05/09/2010	15.28	Replacement of Bus Section - II c.b. & 6 No's of C T's.
Bus Section -II @ Pophali	05/09/2010	07.15	05/09/2010	17.30	R-Ph Main Bus Conductor Connecting To Junction Bay Second Stage Isolator.
Chakan-Volkaswagun	05/09/2010	10.00	05/09/2010	15.35	Q.M.Work
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Ujani-Umarga	05/09/2010	13.15	05/09/2010	14.15	Hot Spot on Y-Ph Isolator.
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.
Bhusawal- Aurangabad	21/08/2010	17.58		Continued.	Over Voltage
Karad - Kolhapur - II	27/08/2010	23.01		Continued.	Over Voltage.
Chandrapur - Khaparkheda	04/09/2010	19.10		Continued.	H/T for O/V.Ready for charging at 19.30 Hrs.dt 5'th Sept.
Karad-Lamboti	04/09/2010	22.41	05/09/2010	11.27	H/T for O/V.
Karad-Lamboti	05/09/2010	22.06		Continued.	H/T For O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Jejuri-Koyna STG-IV	05/09/2010	04.44	05/09/2010	09.40	Tripped on O/V.
Lonikand-Karad	05/09/2010	07.52	05/09/2010	09.10	Tripped on O/V.
Jejuri-Koyna STG-IV	06/09/2010	01.16		Continued.	Trip on O/V.
Parli - Lamboti	06/09/2010	04.25		Continued.	Tripped on Dist.Protection.
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 05/Sep/2010

Position as on 6.30 Hrs of 06/Sep/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Pedambe - Tambati	05/09/2010	14.02	05/09/2010	14.50	Tripped on Dist.protection.
220/132 KV 100MVA ICT I at Pusad	05/09/2010	18.21	05/09/2010	19.03	Tripped on O/C and E/F protection Due to C.B.Problem of 132KV Gunj ckt.
220/132KV 100 MVA ICT II at Pusad	05/09/2010	18.21	05/09/2010	19.06	Tripped on O/C and E/F protection due to C.B.Problem of 132KV Gunj ckt.
Voltage Level : 132KV			Outage Type TRIPPED		
Pusad-Jambazar	05/09/2010	18.21	05/09/2010	19.14	Tripped due to C.B problem of 132 KV Gunj ckt.
Pusad - Digras	05/09/2010	18.21	05/09/2010	19.15	Tripped due to C.B.problem of 132KV Gunj ckt.
Pusad-Umarkhed	05/09/2010	18.21	05/09/2010	19.26	Tripped due to C.B.problem of 132KV Gunj ckt.
Pusad - Gunj	05/09/2010	18.21	05/09/2010	22.00	C.B.problem.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Sep/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	65
Unit 3	105	68
Unit 4	105	0
Unit 5	200	100
Unit 6	210	140
Unit 7	210	135
	1040	508
Bhusawal		
Unit 1	58	0
Unit 2	210	120
Unit 3	210	0
	478	120
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	110
Unit 4	210	140
Unit 5	210	110
Unit 6	250	150
Unit 7	250	
	1190	510
Chandrapur		
Unit 1	210	100
Unit 2	210	100
Unit 3	210	75
Unit 4	210	100
Unit 5	500	200
Unit 6	500	175
Unit 7	500	100
	2340	850
Paras		
Unit 2	55	40
Unit 3	250	0
Unit 4	250	0
	555	40
Khaparkheda		
Unit 1	210	190
Unit 2	210	0
Unit 3	210	180
Unit 4	210	150
	840	520
Nasik		
Unit 1	120	85
Unit 2	120	85
Unit 3	210	120
Unit 4	210	150
Unit 5	210	150
	870	590
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	36
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	18
BHANDARDRA	45	29
ELDARY	23	22
SMLHY PTN	12	10
GHATGHAR	250	0
	611	262
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	1585
	960	1585
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	230
TATA Hydro	444	447
	2024	1857
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3222
	3143	3222