



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Sep/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Sep/2010 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	62.103	128.350	1) Madhya Pradesh	44.282	89.741
2) Hydro	8.786	16.481	2) Gujrat	35.019	68.029
3) Gas	15.758	31.466	3) Goa	-5.694	-11.680
Total MSGENCO	86.647	176.297	4) TAPS 1&2 (Inj.)	7.808	15.017
B) OTHERS			5) Pench (Excess)	-0.065	-0.144
1) RGPPL Gas	31.294	62.639	# Total Cent. Sector	81.350	160.963
2) Wind Generation	14.525	32.806	F) Other Exchanges		
3) CPP / IPP	9.548	18.549	1) With TPCL (Excess)	-7.600	-16.679
4) PENCH (MS)	0.065	0.144	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	8.912	14.550
1) TPCL Thermal	22.850	47.016	Include PX	8.852	16.217
2) TPCL Hydro	5.138	11.125	2) MUMBAI Bilateral	7.884	17.528
TOTAL TPCL	27.988	58.141	Include PX	1.135	3.400
3) REL Thermal	12.620	25.285	3) MUMBAI Schedule	7.884	17.528
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	97.573	200.651	1) MSEDCL	215.829	434.719
2) Hydro (A2+B3+C2)	13.989	27.750	2) TPCL	31.935	66.576
3) Gas (A3+B1)	47.052	94.105	3) REL	16.271	33.524
4) Wind (B2)	14.525	32.806	TOTAL STATE	264.035	534.819
5) CPP (B3)	9.548	18.549			
TOTAL STATE	182.687	373.861			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	2660	2675	2534
MSGENCO Hydro	388	1133	178
MSGENCO Gas	650	655	662
MSGENCO Total Generation	3698	4463	3374
Central Sector Receipt	3457	3490	3188
RGPPL	1314	1314	1270
WIND	552	626	554
CPP / IPP	357	437	394
Exchange with TPCL	-565	-441	-124
MSEDCL DEMAND MET	8813	9889	8656
Load Shedding	287	1637	0
MSEDCL DEMAND (INCL. LS)	9100	11526	8656
TPCL GENERATION	1345	1240	994
REL GENERATION	526	526	526
TPCL+REL DEMAND	2436	2207	1644
STATE DEMAND MET	11249	12096	10300
STATE DEMAND (INCL. LS)	11536	13733	10300
Frequency (Hz)	49.94	49.86	49.96
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2021 MW AT 22.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			21.98 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.57 Hz at 06.04 Hrs	49.47 Hz at 19.49 Hrs	49.98	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 02/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	1.58	3.02	75	54	55
Unit 3	1.60	3.06	76	53	65
Unit 4	0.00	0.00	0	0	0
Unit 5	3.12	5.65	148	86	135
Unit 6	0.00	1.77	0	0	0
Unit 7	3.32	6.44	150	125	160
	9.62	19.95			415
Bhusawal					
Unit 1	0.00	0.64	0	0	0
Unit 2	1.84	4.71	120	0	110
Unit 3	0.00	0.00	0	0	0
	1.84	5.34			110
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.48	0.92	23	17	20
Unit 3	0.00	2.50	0	0	0
Unit 4	3.24	6.14	147	117	140
Unit 5	3.12	5.76	160	100	110
Unit 6	3.68	7.18	186	125	150
Unit 7	0.36	3.40	119	0	120
	10.87	25.89			540
Chandrapur					
Unit 1	2.50	4.68	123	85	100
Unit 2	2.27	4.15	114	64	100
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	5.00	9.86	240	150	225
Unit 6	3.05	6.66	185	95	150
Unit 7	5.29	10.42	239	205	220
	18.11	35.76			795
Paras					
Unit 2	0.42	0.86	21	15	17
Unit 3	2.57	5.32	140	69	130
Unit 4	2.31	4.64	128	80	0
	5.31	10.82			147
Khaparkheda					
Unit 1	4.82	9.03	210	185	190
Unit 2	0.00	0.00	0	0	0
Unit 3	4.54	8.42	193	174	180
Unit 4	0.00	0.00	0	0	0
	9.36	17.45			370
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.56	2.97	89	27	50
Unit 3	2.02	4.23	130	55	160
Unit 4	1.19	1.19	101	0	0
Unit 5	2.23	4.75	120	59	120
	7.00	13.14			330
Koyna					
Stage 1-2	2.14	3.78	450	35	600
Stage 4	0.00	0.00	0	0	0
Stage 3	1.35	2.63	316	0	320
	3.49	6.40			920
Kovna 12&4 Total	2.14	3.78			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.76	31.47	666	645	640
		15.76	31.47			640
Hydro						
KDPH		0.94	1.86	40	39	36
VTRNA		0.18	0.18	61	0	0
TILLARI		0.30	0.60	60	0	0
BHTGR/VEER		0.02	0.09	1	0	3
BHIRA T.R.		0.49	0.99	80	0	80
RNGR+BHTSA		0.42	0.85	18	17	18
BHANDARDRA		0.83	1.60	35	34	32
ELDARY		0.54	1.08	23	22	20
SMLHY PTN		0.50	0.80	29	18	12
GHATGHAR		1.08	2.03	250	0	0
		5.30	10.08			201
PENCH (MS)						
Pench (MS)		0.06	0.14	27	0	
		0.06	0.14			
Wind						
MalharPeth		0.67	1.72			
Vankuswadi		1.73	3.55			
ATIT		0.24	1.37			
Kale		0.67	1.55			
Satara		0.57	2.38			
Shirala		0.53	1.48			
K Mahankal		2.09	2.63			
Supa		0.21	0.39			
Vita		2.43	5.81			
Dondaicha		2.72	6.03			
Sakri		0.59	1.39			
Nandurbar		0.32	0.62			
Khandke		0.95	2.15			
Khaparale		0.81	1.74			
		14.52	32.81			
CPP						
TOTAL CPP		9.55	18.55			
		9.55	18.55			
Dabhol						
RGPPL		31.29	62.64	1328	1249	1250
		31.29	62.64			1250
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.69	19.30	430	340	500
Trombay 6		4.62	9.72	370	150	500
Trombay 7A		2.92	5.84	126	119	120
Trombay 7B		1.62	3.25	69	67	160
Trombay 8		4.00	8.91	238	0	250
TATA Hydro		5.14	11.12	387	36	447
		27.99	58.14			1977
REL						
1&2		12.62	25.28	529	517	500
		12.62	25.28			500
Cent Sect						
Share						3338
						3338
MS PG CL	Thermal	62.10	128.35			2707
	Thml+Gas	77.86	159.82			3347
	Hydro	8.79	16.48			1121
	Total	86.65	176.30			4468
State Total		182.69	373.86			11533

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	2598	183	666	3447	1270	607	396	3121	3156	-187	-151	8725	228	8953	1778	10731	49.86
2	2534	178	662	3374	1270	554	394	3098	3188	-163	-124	8656	0	8656	1644	10300	49.96
3	2578	174	660	3412	1267	577	395	3027	3335	-96	-56	8930	0	8930	1552	10482	49.92
4	2530	179	660	3369	1268	612	392	3004	3444	-74	-39	9046	0	9046	1537	10583	49.99
5	2510	183	658	3351	1268	546	392	3023	3590	-74	-36	9111	0	9111	1534	10645	49.90
6	2490	174	665	3329	1249	498	396	3023	3802	-74	-34	9240	0	9240	1545	10785	49.90
7	2650	219	661	3530	1310	491	359	3163	3620	-208	-178	9132	197	9329	1692	11021	50.15
8	2673	205	661	3539	1325	501	356	3156	3468	-208	-178	9011	197	9208	1710	10918	50.06
9	2659	273	653	3585	1324	579	361	3107	3585	-271	-244	9190	197	9387	1964	11351	50.11
10	2623	320	645	3588	1322	510	350	3231	3656	-398	-376	9050	197	9247	2234	11481	50.08
11	2640	379	648	3667	1310	535	357	3223	3440	-444	-534	8775	197	8972	2348	11320	49.99
12	2660	388	650	3698	1314	552	357	3259	3457	-496	-565	8813	287	9100	2436	11536	49.94
13	2494	289	655	3438	1328	577	364	3260	3317	-496	-506	8518	246	8764	2357	11121	50.01
14	2467	173	649	3289	1321	683	364	3189	3318	-425	-431	8544	259	8803	2315	11118	49.96
15	2521	183	648	3352	1315	748	359	3197	3071	-425	-433	8412	310	8722	2276	10998	49.95
16	2586	221	654	3461	1318	724	382	3198	2956	-425	-431	8410	296	8706	2272	10978	50.16
17	2625	258	662	3545	1317	812	404	3127	3037	-425	-449	8666	197	8863	2244	11107	50.29
18	2653	252	654	3559	1316	807	396	3087	3265	-378	-379	8964	197	9161	2151	11312	50.15
19	2679	350	654	3683	1315	656	434	3130	3401	-378	-380	9109	971	10080	2120	12200	49.92
20	2675	1133	655	4463	1314	626	437	3320	3490	-450	-441	9889	1637	11526	2207	13733	49.86
21	2572	1219	659	4450	1313	572	460	3268	3371	-497	-483	9686	1672	11358	2211	13569	49.69
22	2559	997	654	4210	1313	584	471	3241	3420	-472	-457	9568	1630	11198	2151	13349	49.81
23	2586	572	662	3820	1313	580	489	3287	3679	-445	-388	9520	1254	10774	2006	12780	49.91
24	2541	284	663	3488	1314	594	483	3162	3284	-374	-307	8864	1150	10014	1924	11938	49.93
MUs	62.10	8.79	15.76	86.65	31.29	14.52	9.55	75.90	81.35	-7.88	-7.60	215.83	11.32	227.15	48.21	275.36	49.98

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 02/Sep/2010

Position as on 6.30 Hrs of 03/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
Bhusawal Unit 3	210	31/07/2010	05.26		Continued.	Annual Overhaul.	15/09/2010
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 4	210	28/08/2010	19:43		Continued.	Tripped on Differential Expantion.	04/09/2010
Khaparkheda Unit 4	210	28/08/2010	23.18		Continued.	Heavy seal oil leakage of Generator	03/09/2010
Chandrapur Unit 3	210	31/08/2010	08.05		Continued.	Furnace Pressure High.	03/09/2010
Nasik Unit 4	210	31/08/2010	11.26	02/09/2010	08.05	Wet Coal.	
Nasik Unit 1	125	31/08/2010	14.30		Continued.	Steam Temp.Low.	04/09/2010
Koradi Unit 6	210	01/09/2010	19.17		Continued.	Coal Mill Chokeup	03/09/2010
Parli Unit 3	210	01/09/2010	21.41		Continued.	ESP Field Problem	05/09/2010
Bhusawal Unit 1	58	01/09/2010	23.30		Continued.	Wet Coal	03/09/2010
Parli Unit 7	250	02/09/2010	00.34	02/09/2010	05.34	PA Fan Problem	
Parli Unit 7	250	02/09/2010	08.53		Continued.	Furnace pressure high.	03/09/2010
Tata Trombay 8	250	02/09/2010	09.59	02/09/2010	13.28	Master fuel trip.	
Bhusawal Unit 2	210	02/09/2010	13.20	02/09/2010	15.38	Furnace prot.operated.	
Paras Unit 2	55	03/09/2010	05.05		Continued.	Reverse power port.operated.	04/09/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Sep/2010

Position as on 6.30 Hrs of 03/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
Dhule-Khandwa-I	30/08/2010	01.07		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Aurangabad - I	21/08/2010	06.06		Continued.	Over Voltage.
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 Maintanance Work.
STG IV-N.Koyna -I	01/09/2010	09.40		Continued.	Bay Maintenance
400/220 KV 500 MVA ICT - II @ Jejuri	02/09/2010	10.47	02/09/2010	17.13	Q.M.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.	Dismentaling of existing ICT and commissioning of New 200MVA ICT
Bus Section - II @ Nasik	30/08/2010	11.02		Continued.	Replacement of Bus Section - II c.b. & 6 No's of C T's.
Boiser-Versova	02/09/2010	07.31	02/09/2010	12.00	Attended hot spot and Testing work.
Pedambe-Pophali I	02/09/2010	08.00	02/09/2010	17.20	Prev.maintenance work.
Bus Coupler at Padgha	02/09/2010	09.32	02/09/2010	11.56	Attending hot spot.
Peth-Mudsingi-I	02/09/2010	09.55	02/09/2010	11.23	C.B.problem at Peth.
Badnera-Akola Ckt.I	02/09/2010	10.05	02/09/2010	13.05	Q.M.Work.
Hinjewadi-I-Chinchwad	02/09/2010	10.25	02/09/2010	17.11	To attend red hot at Hinjewadi-I S/S.
Badnera-Akola-II	02/09/2010	13.24	02/09/2010	16.41	Q.M.Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Mulund-Trombay	02/09/2010	14.30	02/09/2010	16.15	'Y'Ph.Bus isolator work.
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.
Karad-Lamboti	01/09/2010	22.28		Continued.	Over Voltage
Lonikand- Koyna Stage IV	01/09/2010	23.31		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Parli-Lonikand -I	03/09/2010	05.33		Continued.	Reactor backup port.operated at Lonikand.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Sep/2010

Position as on 6.30 Hrs of 03/Sep/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/100KV 200MVA T/F-II @APTA	15/08/2010	21.10		Continued.	Tripped on Diff.Prot.CTR system operated.
220/100KV 200MVA T/F - I at Apta	01/09/2010	18.40	02/09/2010	18.34	30D OLTC Buchholz Trip
Kalwa-Mulund II	02/09/2010	10.13	02/09/2010	10.40	Tripped without indication at kalwa end only(Taken on TBC)
Voltage Level : 132KV			Outage Type TRIPPED		
Sanaswadi-SPSL	02/09/2010	05.05	02/09/2010	10.30	Trip, R-N fault.
Kothrud-Phursungi	02/09/2010	19.35		Continued.	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Sep/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	68
Unit 3	105	70
Unit 4	105	0
Unit 5	200	150
Unit 6	210	0
Unit 7	210	130
	1040	418
Bhusawal		
Unit 1	58	0
Unit 2	210	120
Unit 3	210	0
	478	120
Parli		
Unit 1	30	0
Unit 2	30	20
Unit 3	210	0
Unit 4	210	140
Unit 5	210	110
Unit 6	250	150
Unit 7	250	0
	1190	420
Chandrapur		
Unit 1	210	90
Unit 2	210	100
Unit 3	210	0
Unit 4	210	0
Unit 5	500	210
Unit 6	500	100
Unit 7	500	220
	2340	720
Paras		
Unit 2	55	0
Unit 3	250	130
Unit 4	250	
	555	130
Khaparkheda		
Unit 1	210	165
Unit 2	210	0
Unit 3	210	187
Unit 4	210	0
	840	352
Nasik		
Unit 1	120	0
Unit 2	120	50
Unit 3	210	100
Unit 4	210	100
Unit 5	210	100
	870	350
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	0
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	32
ELDARY	23	20
SMLHY PTN	12	11
GHATGHAR	250	0
	611	199
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	1250
	960	1250
Tata		
Trombay 4	150	0
Trombay 5	500	470
Trombay 6	500	480
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1827
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3506
	3143	3506

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