



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Sep/2009 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	105.822	997.924	1) Madhya Pradesh	53.488	530.625
2) Hydro	4.749	43.330	2) Gujrat	18.944	148.952
3) Gas	14.935	149.308	3) Goa	-5.397	-55.167
Total MSGENCO	125.506	1190.562	4) TAPS 1&2 (Inj.)	7.264	72.815
B) OTHERS			5) Pench (Excess)	-0.126	-1.630
1) RGPPL Gas	22.942	229.216	# Total Cent. Sector	74.173	695.595
2) Wind Generation	13.138	118.292	F) Other Exchanges		
3) PENCH (MS)	0.126	1.630	1) With TPCL	-6.919	-57.041
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	28.675	275.745	1) MSEDCL Bilateral	5.092	50.529
2) TPCL Hydro	4.020	30.236	Include PX	0.000	2.941
TOTAL TPCL	32.695	305.981	2) MUMBAI Bilateral	7.874	67.150
3) REL Thermal	12.640	126.523	Include PX	0.095	0.043
D) STATE			3) MUMBAI Schedule	7.874	67.150
1) Thermal (A1+C1+C3)	147.137	1400.192	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	8.895	75.196	1) MSEDCL	228.966	2178.254
3) Gas (A3+B1)	37.877	378.524	2) TPCL	34.557	324.672
4) Wind (B2)	13.138	118.292	3) REL	17.594	164.775
TOTAL STATE	207.047	1972.204	TOTAL STATE	281.117	2667.701

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4665	4539	4034
MSGENCO Hydro	151	782	39
MSGENCO Gas	632	598	641
MSGENCO Total Generation	5448	5919	4714
Central Sector Receipt	2920	3255	2680
RGPPL	954	958	956
WIND	713	365	727
Exchange with TPCL	-487	-321	-8
MSEDCL DEMAND MET	9548	10203	9069
Load Shedding	716	2471	0
MSEDCL DEMAND (INCL. LS)	10264	12674	9069
TPCL GENERATION	1395	1682	949
REL GENERATION	527	525	528
TPCL+REL DEMAND	2409	2528	1485
STATE DEMAND MET	11957	12731	10554
STATE DEMAND (INCL. LS)	12673	15202	10554
Frequency (Hz)	49.92	49.38	49.99
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2790 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			22.86 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.33 Hz at 01.43 Hrs	48.91 Hz at 19.08 Hrs	49.83	.68 % of Time

* 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 10/Sep/2009

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	0.08	9.36	35	0	0
Unit 3	1.06	6.04	74	0	0
Unit 4	1.64	12.78	76	55	65
Unit 5	2.47	12.63	131	75	75
Unit 6	2.38	28.51	122	69	150
Unit 7	0.00	22.72	0	0	0
	7.64	92.03			290
Bhusawal					
Unit 1	1.11	8.52	57	26	30
Unit 2	0.00	5.17	0	0	0
Unit 3	4.12	41.68	197	149	185
	5.23	55.36			215
Parli					
Unit 1	0.58	5.81	27	22	20
Unit 2	0.58	5.79	26	21	20
Unit 3	3.58	35.54	172	117	160
Unit 4	4.00	27.11	188	143	150
Unit 5	4.04	39.04	180	155	160
Unit 6	4.70	42.27	233	113	200
	17.48	155.55			710
Chandrapur					
Unit 1	3.75	34.26	168	135	165
Unit 2	0.00	13.65	0	0	0
Unit 3	3.62	30.12	179	102	150
Unit 4	4.22	42.03	186	157	210
Unit 5	8.58	72.68	408	298	400
Unit 6	7.86	67.72	400	220	350
Unit 7	7.80	69.69	400	277	300
	35.83	330.16			1575
Paras					
Unit 2	0.57	5.62	34	14	40
Unit 3	4.54	32.85	202	171	190
	5.11	38.48			230
Khaparkheda					
Unit 1	4.58	46.08	209	168	200
Unit 2	4.48	43.99	196	166	190
Unit 3	4.95	48.00	216	173	210
Unit 4	4.85	48.05	215	178	210
	18.87	186.12			810
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.17	20.56	94	86	90
Unit 3	4.70	31.64	205	165	200
Unit 4	4.58	45.27	192	190	190
Unit 5	4.21	42.74	196	159	180
	15.67	140.22			660
Uran					
All Units	14.94	149.31	645	598	620
	14.94	149.31			620
Koyna					
Stage 1-2	1.88	12.12	425	30	460
Stage 4	0.20	4.69	204	0	250
Koyna 12&4 Total	2.09	16.82			710

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.85	9.04	240	0	240
	2.94	25.86			950
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.52	0	0	0
TILLARI	0.51	4.86	60	0	60
BHTGR/VEER	0.17	4.14	8	6	14
BHIRA T.R.	0.42	3.59	42	0	80
RNGR+BHTSA	0.14	0.99	19	3	0
BHANDARDRA	0.01	0.20	6	0	20
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.57	9	0	9
GHATGHAR	0.52	2.60	127	0	0
	1.81	17.47			183
PENCH (MS)					
Pench (MS)	0.13	1.63	27	0	
	0.13	1.63			
Wind					
MalharPeth	0.14	4.64			
Vankuswadi	0.34	9.91			
ATIT	0.06	2.03			
Kale	0.03	1.02			
Satara	0.13	4.83			
Shirala	0.12	3.09			
K Mahankal	0.30	5.23			
Supa	0.14	1.28			
Vita	1.04	16.66			
Dondaicha	7.55	45.27			
Sakri	1.38	7.58			
Nandurbar	0.99	5.71			
Khadakale	0.29	4.63			
Khaparale	0.64	6.40			
	13.14	118.29			
Dabhol					
RGPP L II	22.94	229.22	961	952	900
RGPP L III	0.00	0.00	0	0	
	22.94	229.22			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	112.38	505	505	500
Trombay 6	11.18	103.80	510	250	500
Trombay 7A	2.34	21.88	108	88	100
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	3.04	37.70	177	97	100
TATA Hydro	4.02	30.24	382	0	447
	32.70	305.98			1647
REL					
1&2	12.64	126.52	529	525	500
	12.64	126.52			500
Cent Sect					
Share					3148
					3148

MS PG CL	Thermal	105.82	997.92		4490
	Thml+Gas	120.76	1147.23		5110
	Hydro	4.75	43.33		1133
	Total	125.51	1190.56		6243
State Total		207.05	1972.20		12438

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/Sep/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	MUMBAI		MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	MUMBAI DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS						SCH.	EXCH.						
1	4103	44	640	4787	955	638	2870	2683	-51	-116	8947	0	8947	1854	10801	50.10
2	4151	39	645	4835	954	762	2871	2466	-51	-12	9005	0	9005	1632	10637	50.20
3	4028	39	640	4707	955	750	2827	2705	-51	-10	9107	0	9107	1494	10601	50.01
4	4034	39	641	4714	956	727	2729	2680	-51	-8	9069	0	9069	1485	10554	49.99
5	4088	49	639	4776	956	721	2729	2887	-51	-10	9330	0	9330	1496	10826	49.92
6	4224	39	638	4901	956	575	2753	3078	-51	-13	9497	427	9924	1583	11507	49.87
7	4465	39	645	5149	954	578	2818	2837	-51	-12	9506	840	10346	1733	12079	49.95
8	4635	61	645	5341	954	589	2791	2743	-51	-14	9613	840	10453	1839	12292	49.97
9	4639	150	640	5429	953	640	2895	2752	-160	-125	9649	889	10538	2080	12618	49.98
10	4665	151	632	5448	954	713	3061	2920	-515	-487	9548	716	10264	2409	12673	49.92
11	4600	156	625	5381	954	477	3278	3170	-585	-559	9423	238	9661	2639	12300	49.96
12	4522	141	611	5274	954	580	3332	3275	-585	-563	9520	376	9896	2682	12578	49.80
13	4443	82	606	5131	955	673	3305	3228	-585	-540	9447	922	10369	2607	12976	49.88
14	4416	47	600	5063	952	726	3328	3333	-585	-541	9533	953	10486	2565	13051	49.64
15	4418	52	598	5068	955	461	3332	3330	-585	-537	9277	1230	10507	2601	13108	49.65
16	4500	82	610	5192	956	492	3332	3349	-585	-542	9447	1048	10495	2619	13114	49.87
17	4412	131	612	5155	956	508	3293	3595	-595	-548	9666	1087	10753	2591	13344	49.83
18	4486	112	606	5204	956	450	3312	3554	-516	-474	9690	1224	10914	2530	13444	49.73
19	4631	361	598	5590	957	422	3179	3109	-379	-324	9754	2152	11906	2438	14344	49.44
20	4539	782	598	5919	958	365	3060	3255	-379	-321	10203	2471	12674	2528	15202	49.38
21	4436	750	600	5786	959	372	3184	3588	-379	-318	10414	2204	12618	2429	15047	49.58
22	4510	869	614	5993	961	268	3178	3159	-379	-317	10090	2217	12307	2272	14579	49.61
23	4481	425	626	5532	961	314	3162	3229	-361	-301	9761	1644	11405	2153	13558	49.81
24	4395	109	626	5130	961	337	3073	3248	-293	-227	9469	979	10448	1995	12443	49.79
MUs	105.82	4.75	14.94	125.50	22.94	13.14	73.69	74.17	-7.87	-6.92	228.96	22.46	251.42	52.25	303.68	49.83

NOTE : ALL VALUES IN MW

MUMBAI Sch./Net Exch is shown with reference to MSETCL System. (+) indicates MUMBAI to MSETCL and (-) indicates MSETCL to MUMBAI. MUMBAI Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 10/Sep/2009

Position as on 6.30 Hrs of 11/Sep/2009

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)	31/03/2010
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	11/09/2009
Nasik Unit 1	125	05/07/2009	6:15		Continued.	Generator Rotor Problem	30/09/2009
Koradi Unit 1	105	24/07/2009	01:20		Continued.	ANNUAL OVERHAUL	12/09/2009
Koyna Unit 11	80	25/07/2009	15.30		Continued.	To attend Stator Earth Fault	25/09/2009
Cent_Sect NTPC(V-3)	210	25/08/2009	00.25		Continued.	A/OH	26/09/2009
Cent_Sect NTPC(K-1)	210	27/08/2009	23.55		Continued.	AOH	28/09/2009
Bhusawal Unit 2	210	02/09/2009	10.08		Continued.	Annual Overhaul.	16/10/2009
Chandrapur Unit 2	210	05/09/2009	23:46		Continued.	AOH.	05/10/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	20/12/2009
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	15/02/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	25/10/2009
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Koyna Unit 1	75	06/09/2009	07.15	10/09/2009	16.15	Pressure Shaft Problem	
Koyna Unit 2	75	06/09/2009	13.00	10/09/2009	16.10	Pressure Shaft Problem	
Koradi Unit 7	210	08/09/2009	15.10		Continued.	Coal bunkering problem.	
Koradi Unit 2	105	09/09/2009	18.59	10/09/2009	20.58	Bunkering Problem.	
Koradi Unit 3	105	09/09/2009	19.30	10/09/2009	06.25	Bunkering Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Sep/2009

Position as on 6.30 Hrs of 11/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	H/T FOR O/V
Akola - Wardha - I	01/09/2009	01.44		Continued.	Hand Tripped for Over Voltage.
Kolhapur-Mapusa Ckt I	09/09/2009	22.39	10/09/2009	10.05	H/T For O/V.
DHULE-SAR'SAROVAR-I	09/09/2009	23.01	10/09/2009	10.11	H/T For O/V.
Dhule-S'Sarovar I	10/09/2009	14.28		Continued.	H/T for O/V
Kolhapur-Mapusa-II	10/09/2009	22.49		Continued.	H/T for O/V
Voltage Level : 400KV			Outage Type TRIPPED		
Seoni - Wardha	01/09/2009	01.44		Continued.	Tripped on Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Chandrapur - Padgha Pole -I	04/09/2009	06:49		Continued.	Capacitor replacement.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa-Kharghar	10/09/2009	09.22	10/09/2009	18.43	Testing work
400KV Main Bus-II at Jejuri	10/09/2009	09.45	10/09/2009	18.11	Tan Delta measurement of CVTs
Dabhol-New Koyna-I	10/09/2009	10.44	10/09/2009	14.14	To attend Hot Spot
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Nasik TBC	28/08/2009	08.45		Continued.	Breaker replacement.
220/100 KV,125 MVA ICT-III at Trombay S/S.	31/08/2009	09.32		Continued.	Replacement of Relay Panels & Control Panels.
220/22KV, 50MVA ICT-II at Lonikand	10/09/2009	07.08	10/09/2009	13.18	Testing Work
Pedambe-Newkoyna	10/09/2009	08.10	10/09/2009	17.27	Bay Maint.
Kurkumb-Bhigwan	10/09/2009	08.15	10/09/2009	18.30	Insulator Replacement
Pirangut-Hinjewadi	10/09/2009	08.25		Continued.	Erection of New Tower
K'gaon-Lonand	10/09/2009	08.37	10/09/2009	18.37	E/W replacement
Parbhani-Girawali	10/09/2009	09.27	10/09/2009	14.28	Tan Delta Measurement
Bhosari-Telco	10/09/2009	10.55	10/09/2009	17.16	Q.M.work
220/132KV 100MVA ICT at Virur	10/09/2009	13.12	10/09/2009	17.40	Commissioning of Bus Bar Prot.Scheme
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Paras - Akot	10/09/2009	09.40		Continued.	Replacement of CT
Pahur - Pachora	10/09/2009	10.10	10/09/2009	15.10	Replacement of CT
Ambazari - Hingna - I	10/09/2009	10.30	10/09/2009	16.00	Retrofitting work
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon - Roha	10/09/2009	09.35	10/09/2009	18.00	E/W replacement
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur CKT I	10/09/2009	00.17	10/09/2009	16.22	Hand Tripped for Over Volrage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	09/09/2009	16:12		Continued.	H/T for Akola ICT loading.
220/100KV 125 MVA ICT-I at Kalwa	10/09/2009	06.52	10/09/2009	09.45	To attend Hot Spot

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Sep/2009

Position as on 6.30 Hrs of 11/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Miraj-Maisal	10/09/2009	08.25	10/09/2009	14.30	Testing Work
Padgha - Nalasopara	10/09/2009	13.02	10/09/2009	18.55	To attend Hot Spot
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV,100 MVA T/F-II @ Malegaon	09/09/2009	16.17	10/09/2009	06.30	Trip on Internal Fault/humming.
Vita-Maisal	09/09/2009	17.03	10/09/2009	14.30	Decapping at Loc.92, R phase
Kolhapur-Karad-IV	10/09/2009	04.40	10/09/2009	05.07	Distanance Protection.
Wankuswadi-Satara-MIDC	10/09/2009	09.35	10/09/2009	10.10	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	55
Unit 3	105	55
Unit 4	105	50
Unit 5	200	115
Unit 6	210	75
Unit 7	210	0
	1040	350
Bhusawal		
Unit 1	58	40
Unit 2	210	0
Unit 3	210	185
	478	225
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	160
Unit 4	210	150
Unit 5	210	160
Unit 6	250	100
	940	610
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	175
Unit 4	210	200
Unit 5	500	400
Unit 6	500	350
Unit 7	500	375
	2340	1660
Paras		
Unit 2	55	45
Unit 3	250	165
	305	210
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	810
Nasik		
Unit 1	120	0
Unit 2	120	85
Unit 3	210	190
Unit 4	210	200
Unit 5	210	180
	870	655
Uran		
All Units	852	630
	852	630
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	184
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	
Khadakale	0	
Khaparale	0	
	0	
Dabhol		
RGPL II	960	900
RGPL III	740	
	1700	900
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	0
Trombay 8	250	220
TATA Hydro	444	447
	2024	1767
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3290
	3143	3290