



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Sep/2009 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.919	2594.577	1) Madhya Pradesh	61.634	1261.240
2) Hydro	14.017	172.946	2) Gujrat	12.648	493.401
3) Gas	14.256	352.874	3) Goa	-5.866	-139.431
Total MSGENCO	142.192	3120.397	4) TAPS 1&2 (Inj.)	7.206	173.949
B) OTHERS			5) Pench (Excess)	-0.942	-7.845
1) RGPPL Gas	22.247	541.167	# Total Cent. Sector	74.680	1781.314
2) Wind Generation	5.941	172.152	F) Other Exchanges		
3) PENCH (MS)	1.243	15.340	1) With TPCL	-8.706	-162.067
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	29.593	673.503	1) MSEDCL Bilateral	5.973	127.077
2) TPCL Hydro	3.193	76.236	Include PX	0.000	2.941
TOTAL TPCL	32.786	749.739	2) MUMBAI Bilateral	9.494	176.583
3) REL Thermal	12.564	302.735	Include PX	2.315	12.680
D) STATE			3) MUMBAI Schedule	9.494	180.958
1) Thermal (A1+C1+C3)	156.076	3570.815	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	18.453	264.522	1) MSEDCL	237.597	5468.303
3) Gas (A3+B1)	36.503	894.041	2) TPCL	35.709	801.867
4) Wind (B2)	5.941	172.152	3) REL	18.345	412.595
TOTAL STATE	216.973	4901.530	TOTAL STATE	291.651	6682.765

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4888	4459	4830
MSGENCO Hydro	222	1808	51
MSGENCO Gas	592	591	604
MSGENCO Total Generation	5702	6858	5485
Central Sector Receipt	3267	3521	2773
RGPPL	918	935	928
WIND	142	275	256
Exchange with TPCL	-613	-516	10
MSEDCL DEMAND MET	9469	11126	9503
Load Shedding	3025	3157	1074
MSEDCL DEMAND (INCL. LS)	12494	14283	10577
TPCL GENERATION	1531	1610	1038
REL GENERATION	523	520	527
TPCL+REL DEMAND	2667	2646	1555
STATE DEMAND MET	12136	13772	11058
STATE DEMAND (INCL. LS)	15161	16929	12132
Frequency (Hz)	49.09	49.27	49.47
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3756 MW at 20.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			57.21 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.97 Hz at 18:00 Hrs	48.69 Hz at 14:12 Hrs	49.21	21.82 % 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 24/Sep/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.66	3.48	89	50	50
Unit 2	1.44	31.78	72	49	50
Unit 3	1.46	29.44	80	44	50
Unit 4	1.55	33.80	84	49	50
Unit 5	2.82	49.48	138	63	130
Unit 6	3.28	73.45	153	119	120
Unit 7	3.68	59.03	191	90	120
	15.89	280.46			570
Bhusawal					
Unit 1	1.25	24.26	57	49	55
Unit 2	0.00	5.17	0	0	0
Unit 3	4.40	100.44	196	168	190
	5.64	129.87			245
Parli					
Unit 1	0.58	13.80	28	21	20
Unit 2	0.00	13.12	0	0	0
Unit 3	3.99	90.06	175	151	170
Unit 4	2.25	81.26	157	0	150
Unit 5	3.98	93.84	175	158	165
Unit 6	5.36	105.04	247	193	220
	16.17	397.12			725
Chandrapur					
Unit 1	3.76	86.04	164	142	160
Unit 2	0.00	13.65	0	0	0
Unit 3	3.24	79.75	174	80	140
Unit 4	4.51	107.05	206	130	200
Unit 5	9.87	202.17	449	346	400
Unit 6	9.16	194.14	412	348	400
Unit 7	9.55	201.28	440	344	425
	40.09	884.09			1725
Paras					
Unit 2	0.45	10.39	20	16	20
Unit 3	4.92	100.77	217	177	200
	5.38	111.16			220
Khaparkheda					
Unit 1	4.65	111.50	209	166	200
Unit 2	3.70	105.82	205	0	190
Unit 3	4.94	103.13	217	158	210
Unit 4	4.64	117.44	219	140	210
	17.94	437.89			810
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.88	48.72	95	52	90
Unit 3	4.50	95.89	205	161	190
Unit 4	4.56	108.56	191	188	190
Unit 5	1.87	100.82	188	0	180
	12.81	353.99			650
Uran					
All Units	14.26	352.87	624	547	600
	14.26	352.87			600
Koyna					
Stage 1-2	4.12	41.22	455	40	600
Stage 4	6.08	64.00	1011	0	250
Koyna 12&4 Total	10.20	105.21			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.35	30.14	320	0	320
	12.55	135.35			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.74	0	0	0
TILLARI	0.39	9.90	60	0	60
BHTGR/VEER	0.10	7.79	4	4	10
BHIRA T.R.	0.29	8.33	42	0	40
RNGR+BHTSA	0.26	3.23	17	2	2
BHANDARDRA	0.00	0.33	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.01	1.19	7	0	9
GHATGHAR	0.42	6.09	125	0	0
	1.46	37.59			121
PENCH (MS)					
Pench (MS)	1.24	15.34	54	50	0
	1.24	15.34			0
Wind					
MalharPeth	0.10	5.94			
Vankuswadi	0.26	13.59			
ATIT	0.04	3.00			
Kale	0.02	1.34			
Satara	0.08	6.48			
Shirala	0.09	4.15			
K Mahankal	0.03	6.53			
Supa	0.15	2.34			
Vita	1.04	24.52			
Dondaicha	3.05	68.20			
Sakri	0.43	11.28			
Nandurbar	0.49	9.62			
Khadakale	0.05	7.20			
Khaparale	0.11	7.95			
	5.94	172.15			
Dabhol					
RGPP L II	22.25	541.17	937	912	915
RGPP L III	0.00	0.00	0	0	0
	22.25	541.17			915
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.06	266.68	505	450	500
Trombay 6	10.99	255.28	510	200	500
Trombay 7A	2.32	55.09	119	85	100
Trombay 7B	1.45	19.32	67	57	100
Trombay 8	2.78	77.14	124	100	100
TATA Hydro	3.19	76.24	351	0	447
	32.79	749.74			1747
REL					
1&2	12.56	302.74	528	519	500
	12.56	302.74			500
Cent Sect					
Share					3536
					3536

MS PG CL	Thermal	113.92	2594.58		4945
	Thml+Gas	128.18	2947.45		5545
	Hydro	14.02	172.95		1291
	Total	142.19	3120.40		6836
State Total		216.97	4901.53		13534

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	4742	253	606	5601	928	206	3094	2979	-77	-42	9726	1401	11127	1844	12971	49.13
2	4798	101	612	5511	927	234	2928	2916	55	91	9733	1440	11173	1688	12861	49.20
3	4821	56	614	5491	929	270	3013	2784	-30	8	9533	1183	10716	1600	12316	49.40
4	4830	51	604	5485	928	256	3015	2773	-30	10	9503	1074	10577	1555	12132	49.47
5	4757	61	599	5417	928	347	3014	2864	-30	11	9617	1237	10854	1528	12382	49.10
6	4897	303	600	5800	928	354	3014	2847	-30	6	9985	1543	11528	1571	13099	49.07
7	5079	146	620	5845	930	182	2843	2421	33	66	9494	2327	11821	1719	13540	49.38
8	5142	71	624	5837	930	265	2880	2512	-30	-4	9590	2464	12054	1864	13918	49.50
9	5132	86	616	5834	930	300	2989	2527	-139	-103	9541	2496	12037	2097	14134	49.36
10	5097	177	608	5882	930	163	3293	2961	-494	-466	9523	2960	12483	2474	14957	49.31
11	4888	222	592	5702	918	142	3462	3267	-635	-613	9469	3025	12494	2667	15161	49.09
12	4631	442	578	5651	918	167	3522	3317	-707	-672	9434	2754	12188	2726	14914	48.99
13	4814	416	574	5804	916	170	3586	3460	-754	-718	9682	2662	12344	2723	15067	49.08
14	4795	624	558	5977	917	187	3566	3399	-735	-708	9825	2733	12558	2651	15209	49.10
15	4803	493	547	5843	912	203	3622	3487	-792	-767	9728	3037	12765	2715	15480	48.99
16	4796	286	577	5659	916	299	3621	3420	-792	-766	9581	3333	12914	2704	15618	49.12
17	4663	396	589	5648	926	212	3629	3671	-796	-781	9729	3235	12964	2715	15679	49.30
18	4660	716	590	5966	927	244	3523	3384	-715	-687	9887	2907	12794	2638	15432	49.22
19	4594	1439	593	6626	932	229	3331	3273	-546	-513	10600	3089	13689	2587	16276	49.30
20	4459	1808	591	6858	935	275	3458	3521	-530	-516	11126	3157	14283	2646	16929	49.27
21	4415	1834	588	6837	933	281	3390	3359	-483	-447	11016	2909	13925	2579	16504	49.16
22	4404	1676	590	6670	936	307	3345	3166	-443	-400	10729	2958	13687	2382	16069	49.17
23	4347	1200	590	6137	936	346	3339	3194	-432	-371	10292	2410	12702	2256	14958	49.17
24	4355	1160	596	6111	937	302	3267	3178	-363	-324	10254	1694	11948	2127	14075	49.20
MUs	113.92	14.02	14.26	142.19	22.25	5.94	78.74	74.68	-9.49	-8.71	237.60	58.03	295.62	54.06	349.68	49.21

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 24/Sep/2009

Position as on 6.30 Hrs of 25/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
Nasik Unit 1	125	05/07/2009	6:15		Continued.	Generator Rotor Problem	30/09/2009
Bhusawal Unit 2	210	02/09/2009	10.08		Continued.	Annual Overhaul.	07/10/2009
Chandrapur Unit 2	210	05/09/2009	23:46		Continued.	AOH.	05/10/2009
Cent_Sect Gandhar U3	144	14/09/2009	09.30		Continued.	A.O.H.	30/09/2009
Cent_Sect Gandhar U4	224	17/09/2009	00.11		Continued.	A O H.	25/09/2009
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 ST-IV 2	250	18/09/2009	09:00	24/09/2009	21.00	Maint.Work.	
Hydro BHIRA T.R.	80	23/09/2009	10.35	24/09/2009	01.20	11 KV Bus Duct problem.	
Parli Unit 2	30	23/09/2009	22.33		Continued.	Boiler Tube Leakage	26/09/2009
Nasik Unit 5	210	24/09/2009	10.25		Continued.	Boiler Tube Leakage	27/09/2009
Parli Unit 4	210	24/09/2009	15.40		Continued.	Boiler Tube Leakage	27/09/2009
Khaparkheda Unit 2	210	24/09/2009	19.20	24/09/2009	22.28	Flame Failure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Sep/2009

Position as on 6.30 Hrs of 25/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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
Kolhapur-Mapusa Ckt I	23/09/2009	23.51	24/09/2009	10.41	H/T for O/V
Kolhapur-Mapusa Ckt I	25/09/2009	00.27		Continued.	H/T for O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
M.Bus.I at 400 KV Akola	23/09/2009	09.30	24/09/2009	18.26	Rectification work on PIR of main CB
C'pur-Parli II	24/09/2009	09.01	24/09/2009	14.21	Q.M.Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/100 KV,125 MVA ICT-III at Trombay S/S.	31/08/2009	09.32		Continued.	Replacement of Relay Panels & Control Panels.
Jejuri-Phursungi	24/09/2009	01.45	24/09/2009	14.54	Retrofitting of P442 relay
220/132 KV,100 MVA T/F-II @ Malegaon	24/09/2009	09.05	24/09/2009	16.10	PRV Replacement work
220/132 KV 100 MVA ICT-II @ Bhusawal	24/09/2009	09.20	24/09/2009	17.36	LA replacement work and Q.M.work
B'dying- Sahara	24/09/2009	10.30	24/09/2009	19.09	Insulator replacement work
Lonikand-Khadki	24/09/2009	10.45	24/09/2009	13.41	Retrofitting work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Vita-Maisal	24/09/2009	12.20	24/09/2009	13.15	Coupling capacitor Jumper tightening
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	19/09/2009	01:03		Continued.	H/T to increase load on Akola ICT.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	24/09/2009	16.42		Continued.	H/T to control Chikhali ICT loading
Pardi-Uppalwadi	24/09/2009	16.58		Continued.	H/T to control Ambazari-Mankapur loading
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV,315 MVA ICT-IAT NAGOTHANE	24/09/2009	20.40	24/09/2009	22.53	Tripped on OLTC Bucholz
Voltage Level : 220KV			Outage Type TRIPPED		
Girwali - Parbhani	24/09/2009	09.37	24/09/2009	09.54	Tripped on PDR
Karad-Vita-II	24/09/2009	10.50	24/09/2009	11.10	Tripped
K'gaon-Lonand	24/09/2009	19.12	24/09/2009	20.36	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Bhugaon - Deoli	24/09/2009	12.25	24/09/2009	12.45	Distance Protection
Parbhani-Jintur	24/09/2009	15.00	24/09/2009	15.11	Distance Protection
Parbhani-Jintur	24/09/2009	15.45		Continued.	Distance Protection
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Mukund I	23/09/2009	20.58	24/09/2009	03.45	Conductor snapped at Kalwa end
Kalwa - Salsette - II	23/09/2009	20.58	24/09/2009	19.21	Tripped, Declared faulty
Kalwa-Washi	24/09/2009	12.30	24/09/2009	12.50	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	70
Unit 4	105	70
Unit 5	200	140
Unit 6	210	140
Unit 7	210	150
	1040	710
Bhusawal		
Unit 1	58	55
Unit 2	210	0
Unit 3	210	190
	478	245
Parli		
Unit 1	30	20
Unit 2	30	0
Unit 3	210	170
Unit 4	210	0
Unit 5	210	165
Unit 6	250	220
	940	575
Chandrapur		
Unit 1	210	165
Unit 2	210	0
Unit 3	210	190
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	425
	2340	1840
Paras		
Unit 2	55	20
Unit 3	250	200
	305	220
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	180
Unit 4	210	180
	840	750
Nasik		
Unit 1	120	0
Unit 2	120	90
Unit 3	210	200
Unit 4	210	190
Unit 5	210	0
	870	480
Uran		
All Units	852	600
	852	600
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	3
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	9
GHATGHAR	250	0
	611	112
PENCH (MS)		
Pench (MS)	53	0
	53	0
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		
RGPPPL II	960	915
RGPPPL III	740	0
	1700	915
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	80
Trombay 7B	60	80
Trombay 8	250	120
TATA Hydro	444	447
	2024	1727
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3374
	3143	3374

	17616	13218
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