



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Sep/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.538	2822.536	1) Madhya Pradesh	62.673	1385.286
2) Hydro	22.645	210.461	2) Gujrat	6.854	511.565
3) Gas	14.207	381.388	3) Goa	-5.751	-151.170
Total MSGENCO	152.390	3414.385	4) TAPS 1&2 (Inj.)	7.247	188.442
B) OTHERS			5) Pench (Excess)	-1.202	-10.290
1) RGPPL Gas	22.665	586.562	# Total Cent. Sector	69.821	1923.833
2) Wind Generation	5.863	183.981	F) Other Exchanges		
3) PENCH (MS)	1.202	17.785	1) With TPCL	-6.266	-176.439
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.200	733.953	1) MSEDCL Bilateral	5.960	139.005
2) TPCL Hydro	3.479	83.874	Include PX	0.000	2.941
TOTAL TPCL	33.679	817.827	2) MUMBAI Bilateral	6.948	192.299
3) REL Thermal	12.523	327.807	Include PX	0.490	14.447
D) STATE			3) MUMBAI Schedule	6.948	196.674
1) Thermal (A1+C1+C3)	158.261	3884.296	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	27.326	312.120	1) MSEDCL	245.675	5950.107
3) Gas (A3+B1)	36.872	967.950	2) TPCL	34.381	872.526
4) Wind (B2)	5.863	183.981	3) REL	18.085	449.465
TOTAL STATE	228.322	5348.347	TOTAL STATE	298.141	7272.098

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	4873	4788	4830
MSGENCO Hydro	1362	1984	142
MSGENCO Gas	583	599	597
MSGENCO Total Generation	6818	7371	5569
Central Sector Receipt	3170	3349	2742
RGPPL	935	949	953
WIND	107	233	309
Exchange with TPCL	-498	-357	0
MSEDCL DEMAND MET	10585	11598	9626
Load Shedding	2930	3202	1609
MSEDCL DEMAND (INCL. LS)	13515	14800	11235
TPCL GENERATION	1589	1641	1156
REL GENERATION	520	519	522
TPCL+REL DEMAND	2607	2517	1678
STATE DEMAND MET	13192	14115	11304
STATE DEMAND (INCL. LS)	16122	17317	12913
Frequency (Hz)	49.23	49.32	49.12
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4162 MW AT 20:00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			73.12 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.93 Hz at 16:05 Hrs	48.69 Hz at 22:37 Hrs	49.19	22.71 % 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 26/Sep/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.54	6.78	79	37	40
Unit 2	1.40	34.72	70	49	60
Unit 3	1.59	32.72	75	48	65
Unit 4	1.57	37.06	80	46	75
Unit 5	3.08	55.90	150	114	120
Unit 6	3.18	79.97	145	113	150
Unit 7	3.68	66.22	175	134	150
	16.05	313.38			660
Bhusawal					
Unit 1	0.92	26.38	52	26	25
Unit 2	0.00	5.17	0	0	0
Unit 3	4.66	109.64	204	188	190
	5.59	141.20			215
Parli					
Unit 1	0.60	15.01	29	21	20
Unit 2	0.46	13.59	26	0	20
Unit 3	3.89	97.83	170	150	170
Unit 4	0.00	81.26	0	0	0
Unit 5	4.13	102.00	178	163	170
Unit 6	5.46	115.84	240	208	220
	14.53	425.53			600
Chandrapur					
Unit 1	3.80	93.62	164	148	165
Unit 2	0.00	13.65	0	0	0
Unit 3	4.55	88.46	203	160	200
Unit 4	4.14	116.00	203	0	210
Unit 5	10.15	222.79	454	372	450
Unit 6	9.36	212.18	430	312	400
Unit 7	9.64	220.14	446	349	425
	41.63	966.84			1850
Paras					
Unit 2	0.48	11.36	22	18	20
Unit 3	4.88	110.70	221	185	200
	5.36	122.05			220
Khaparkheda					
Unit 1	4.30	120.36	207	135	200
Unit 2	3.82	113.79	176	131	170
Unit 3	4.48	112.30	202	156	170
Unit 4	4.65	126.63	212	161	210
	17.25	473.09			750
Nasik					
Unit 1	0.11	0.11	32	0	0
Unit 2	1.88	52.66	88	67	70
Unit 3	4.60	104.97	204	168	200
Unit 4	4.56	117.61	203	180	180
Unit 5	3.97	105.09	184	148	160
	15.12	380.45			610
Uran					
All Units	14.21	381.39	610	568	600
	14.21	381.39			600
Koyna					
Stage 1-2	4.68	48.90	495	45	600
Stage 4	13.04	84.76	1152	0	250
Kovna 12&4 Total	17.72	133.66			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	3.38	36.17	320	0	320
	21.11	169.84			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.74	0	0	0
TILLARI	0.38	10.67	60	0	60
BHTGR/VEER	0.38	8.54	16	16	0
BHIRA T.R.	0.34	8.99	42	0	40
RNGR+BHTSA	0.05	3.38	2	2	3
BHANDARDRA	0.00	0.35	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	1.19	0	0	0
GHATGHAR	0.38	6.76	122	0	0
	1.54	40.62			103
PENCH (MS)					
Pench (MS)	1.20	17.78	54	20	0
	1.20	17.78			0
Wind					
MalharPeth	0.15	6.22			
Vankuswadi	0.32	14.26			
ATIT	0.05	3.12			
Kale	0.02	1.38			
Satara	0.08	6.68			
Shirala	0.12	4.40			
K Mahankal	0.02	6.93			
Supa	0.12	2.49			
Vita	0.90	26.11			
Dondaicha	2.52	73.37			
Sakri	0.41	12.10			
Nandurbar	0.36	10.40			
Khadakale	0.46	7.93			
Khaparale	0.32	8.57			
	5.86	183.98			
Dabhol					
RGPP L II	22.66	586.56	957	924	915
RGPP L III	0.00	0.00	0	0	0
	22.66	586.56			915
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.80	290.60	505	450	500
Trombay 6	11.94	278.86	510	340	500
Trombay 7A	2.24	59.61	97	92	80
Trombay 7B	1.42	22.17	60	58	100
Trombay 8	2.80	82.71	144	85	100
TATA Hydro	3.48	83.87	352	0	447
	33.68	817.83			1727
REL					
1&2	12.52	327.81	525	519	500
	12.52	327.81			500
Cent Sect					
Share					3152
					3152

MS PG CL	Thermal	115.54	2822.54		4905
	Thml+Gas	129.74	3203.92		5505
	Hydro	22.64	210.46		1273
	Total	152.39	3414.38		6778
State Total		228.32	5348.35		13072

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/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	4765	728	594	6087	949	278	2986	2821	-146	-125	10063	1618	11681	2021	13702	49.10
2	4785	544	590	5919	950	321	2810	2664	23	51	9958	1668	11626	1736	13362	49.04
3	4803	530	601	5934	957	320	2756	2676	134	158	10098	1510	11608	1623	13231	49.26
4	4830	142	597	5569	953	309	2908	2689	-32		9573	1609	11182	1678	12860	49.12
5	4808	354	587	5749	949	327	2909	2764	-32		9817	1739	11556	1610	13166	48.94
6	4862	765	590	6217	952	322	2757	2564	123	147	10255	1964	12219	1628	13847	48.99
7	4916	233	598	5747	954	215	2720	2546	47	70	9585	3016	12601	1715	14316	49.14
8	4980	73	608	5661	954	209	2774	2412	-31	-9	9280	3398	12678	1829	14507	49.22
9	4933	127	610	5670	954	142	2882	2758	-140	-119	9459	3494	12953	2044	14997	49.35
10	4936	220	607	5763	946	112	3017	2960	-319	-295	9540	3646	13186	2297	15483	49.40
11	4946	976	589	6511	938	123	3218	2988	-521	-494	10120	3126	13246	2559	15805	49.24
12	4873	1362	583	6818	935	107	3205	3117	-521	-498	10532	2930	13462	2607	16069	49.23
13	4847	1470	580	6897	933	104	3207	2915	-522	-506	10396	2857	13253	2605	15858	49.22
14	4856	1201	568	6625	927	198	3249	3110	-556	-536	10377	2955	13332	2484	15816	49.10
15	4819	1066	584	6469	938	330	3211	3034	-548	-530	10261	3117	13378	2554	15932	49.39
16	4785	848	584	6217	937	278	3095	3029	-546	-523	9991	3405	13396	2563	15959	49.34
17	4824	717	592	6133	944	328	3088	3053	-575	-561	9935	3268	13203	2485	15688	49.45
18	4785	996	587	6368	924	274	3025	3049	-534	-522	10146	2911	13057	2394	15451	49.24
19	4813	1800	593	7206	946	253	2957	2920	-424	-400	10978	3037	14015	2446	16461	49.28
20	4788	1984	599	7371	949	233	3121	3296	-372	-357	11545	3202	14747	2517	17264	49.32
21	4744	1726	602	7072	950	303	3093	3254	-353	-299	11333	2936	14269	2467	16736	49.30
22	4570	2019	588	7177	942	256	3086	3041	-354	-290	11179	2964	14143	2329	16472	49.01
23	4615	1531	586	6732	940	276	3188	3087	-408	-346	10742	2695	13437	2174	15611	48.92
24	4655	1233	590	6478	944	245	3120	3074	-341	-282	10512	1850	12362	2103	14465	48.97
MUs	115.54	22.64	14.21	152.39	22.66	5.86	72.38	69.82	-6.95	-6.27	245.68	64.92	310.59	52.47	363.06	49.19

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 26/Sep/2009

Position as on 6.30 Hrs of 27/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	26/09/2009	15.45	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	
Parli Unit 2	30	23/09/2009	22.33	26/09/2009	04:22	Boiler Tube Leakage	
Parli Unit 4	210	24/09/2009	15.40		Continued.	Boiler Tube Leakage	28/09/2009
Cent_Sect NTPC(K-3)	210	25/09/2009	22.07	26/09/2009	19.28	Boiler tube leakage	
Cent_Sect NTPC(V-3)	210	25/09/2009	23.00	27/09/2009	02.10	Boiler problem.	
Cent_Sect NTPC(V-8)	500	26/09/2009	15.44		Continued.	BLR T/L.	29/09/2009
Nasik Unit 1	125	26/09/2009	17.10	26/09/2009	21.45	Turbine Bearing Vibration.	
Chandrapur Unit 4	210	26/09/2009	20.57	27/09/2009	02.51	Tripped on 50V Annunciation panel short Ckt.	
Tata Trombay 8	250	27/09/2009	00.49		Continued.	Boiler Tube Leakage	28/09/2009
Koyna ST-IV 2	250	27/09/2009	11.14	27/09/2009	12.02	Spiral Casing Pressure Set up Problem.	
Koyna ST - IV 3	250	27/09/2009	11.15	27/09/2009	19.10	Spherical Valve Oil Temp.High.	
Bhusawal Unit 3	210	27/09/2009	17.36	27/09/2009	23.49	Auxillary Supply Failure	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Sep/2009

Position as on 6.30 Hrs of 27/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
Kolhapur-Mapusa Ckt I	25/09/2009	23:53	26/09/2009	08.46	H/T for O/V.
Kolhapur-Mapusa-II	27/09/2009	12.33		Continued.	Hand Tripped for Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
TILLARY-PHONDA	26/09/2009	14.10	26/09/2009	15.45	Dist.Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa-Padgha II	26/09/2009	06:09	26/09/2009	11.28	To attend hot spot.
Lonikand-Parly -I	26/09/2009	13.30	26/09/2009	17.00	Taken On TBC.
Kalwa-Padgha CKT I	26/09/2009	13.42	26/09/2009	17.00	29C Isolator B-Ph clamp sparking problem
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.
K'gaon-Lonand	26/09/2009	07.05	26/09/2009	17.20	E/W repl.work.
Trombay-Mulund	26/09/2009	11.50	26/09/2009	15.50	To attend Hot Spot LOC.No.62 B.
Lonikand-Khadki	26/09/2009	13.35	26/09/2009	18.21	Retrofitting work.
220/33 KV,100 MVA ICT-I At Versova	27/09/2009	00.45	27/09/2009	05.59	Disconnection of cable
K'gaon-Lonand	27/09/2009	07.05	27/09/2009	18.50	Earthwire Replacement Work.
KALWA-SALSETE-IV	27/09/2009	08.33	27/09/2009	14.14	SMS Work & C T Tan Delta Measurment.
LONIKHAND-BHOSARI	27/09/2009	12.00	27/09/2009	15.02	Relay Retrofitting Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
132/7 KV Station T/F - II at Deepnagar	25/09/2009	09:53		Continued.	Oil filtration work.
Deepnagar-Khadka-III	26/09/2009	08.53	26/09/2009	14.20	Erection of WT,CC.
Pachora-Chaligaon Ckt.II.	26/09/2009	08.54	26/09/2009	16.42	Repl.of CT's
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Mukund I	27/09/2009	13.06	27/09/2009	16.45	Jumper Replacement Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Parli-Lonikand - II	25/09/2009	18:48	26/09/2009	11.55	Line taken on TBC at Parli end for attending isolator sparking.
Bus-Coupler at Lonikand	27/09/2009	00.12	27/09/2009	03.33	To attend Hot Spot.
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
132 Interconnector - II @ Bhusawal	27/09/2009	17.36	27/09/2009	21.32	Hand Tripped as a Precautionary Measure.
Jalgaon-Bhusawal I	27/09/2009	17.36	27/09/2009	18.15	Hand Tripped as a Precautionary Measure.
Jalgaon-Bhusawal II	27/09/2009	17.36	27/09/2009	18.15	Hand Tripped as a Precautionary

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Sep/2009

Position as on 6.30 Hrs of 27/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Measure.
Voltage Level : 400KV			Outage Type TRIPPED		
Jejuri-Koyna STG-IV	27/09/2009	16.45	27/09/2009	17.29	Tripped on Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV, 100 MVA ICT - II @ Beed.	24/09/2009	03:05	27/09/2009	18.50	Tripped on internal fault.
Apta-Kalwa	26/09/2009	06.10	26/09/2009	08.59	Tripped.at kalwa end.
Padgha-Jambhul-I	26/09/2009	14.01	26/09/2009	14.24	Dist Protection.
Momewadi -Halkarni	26/09/2009	14.10	26/09/2009	14.42	Dist.Prot.Zone-2
Anandnagar-Jambul	26/09/2009	14.11	26/09/2009	18.00	B-Ph LA Burst.
Tifil-Trombay	27/09/2009	15.59	27/09/2009	16.55	Tripped on Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Kawlewada-Gondia-II	26/09/2009	17.25	26/09/2009	18.04	Dist.Protection
Kawalewada-Gondia-I	26/09/2009	17.25	26/09/2009	18.19	Dist.Protection,
Kawalewada-Kachewani RLY ckt.	26/09/2009	17.25	26/09/2009	18.15	Dist.Protectipon.
132/33 KV 25 MVA T/F - I @ Bhusawal	27/09/2009	17.36		Continued.	Transformer Caught Fire.
132 / 7 KV 31.5 MVA Station T/F - I @ Bhusawal	27/09/2009	17.36	27/09/2009	17.50	Tripped.
132/11KV 16 MVA T/F at Bhusawal	27/09/2009	17.36		Continued.	Cable Fault
132/33 KV 25 MVA T/F - II @ Bhusawal	27/09/2009	17.36		Continued.	Control Cable Burnt.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Mukund I	26/09/2009	18.42	26/09/2009	22.20	B-Ph O/C.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/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	75
Unit 5	200	140
Unit 6	210	140
Unit 7	210	140
	1040	705
Bhusawal		
Unit 1	58	50
Unit 2	210	0
Unit 3	210	190
	478	240
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	0
Unit 5	210	170
Unit 6	250	220
	940	600
Chandrapur		
Unit 1	210	170
Unit 2	210	0
Unit 3	210	200
Unit 4	210	200
Unit 5	500	450
Unit 6	500	425
Unit 7	500	400
	2340	1845
Paras		
Unit 2	55	30
Unit 3	250	200
	305	230
Khaparkheda		
Unit 1	210	180
Unit 2	210	170
Unit 3	210	150
Unit 4	210	175
	840	675
Nasik		
Unit 1	120	50
Unit 2	120	75
Unit 3	210	185
Unit 4	210	185
Unit 5	210	160
	870	655
Uran		
All Units	852	590
	852	590
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	14
BHIRA T.R.	80	40
RNGR+BHTSA	20	4
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	118
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	80
Trombay 7B	60	100
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3032
	3143	3032