



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Sep/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.421	2706.998	1) Madhya Pradesh	61.373	1322.613
2) Hydro	14.870	187.816	2) Gujrat	11.310	504.711
3) Gas	14.307	367.181	3) Goa	-5.988	-145.419
Total MSGENCO	141.598	3261.995	4) TAPS 1&2 (Inj.)	7.246	181.195
B) OTHERS			5) Pench (Excess)	-1.243	-9.088
1) RGPPL Gas	22.730	563.897	# Total Cent. Sector	72.698	1854.012
2) Wind Generation	5.966	178.118	F) Other Exchanges		
3) PENCH (MS)	1.243	16.583	1) With TPCL	-8.106	-170.173
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.250	703.753	1) MSEDCL Bilateral	5.969	133.045
2) TPCL Hydro	4.159	80.395	Include PX	0.000	2.941
TOTAL TPCL	34.409	784.148	2) MUMBAI Bilateral	8.768	185.351
3) REL Thermal	12.549	315.284	Include PX	1.277	13.957
D) STATE			3) MUMBAI Schedule	8.768	189.726
1) Thermal (A1+C1+C3)	155.220	3726.035	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	20.272	284.794	1) MSEDCL	236.129	5704.432
3) Gas (A3+B1)	37.037	931.078	2) TPCL	36.278	838.145
4) Wind (B2)	5.966	178.118	3) REL	18.785	431.380
TOTAL STATE	218.495	5120.025	TOTAL STATE	291.192	6973.957

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	4617	4860	4504
MSGENCO Hydro	724	1301	148
MSGENCO Gas	580	592	611
MSGENCO Total Generation	5921	6753	5263
Central Sector Receipt	3300	3349	2839
RGPPL	942	948	957
WIND	99	312	371
Exchange with TPCL	-635	-490	-1
MSEDCL DEMAND MET	9680	10926	9479
Load Shedding	3106	3436	1549
MSEDCL DEMAND (INCL. LS)	12786	14362	11028
TPCL GENERATION	1651	1687	1067
REL GENERATION	522	519	526
TPCL+REL DEMAND	2808	2696	1594
STATE DEMAND MET	12488	13622	11073
STATE DEMAND (INCL. LS)	15594	17058	12622
Frequency (Hz)	49.22	49.34	49.11
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3614 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			67.13 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.91 Hz at 19.03 Hrs	48.77 Hz at 14.37 Hrs	49.18	21.42 % 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 25/Sep/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.77	5.24	82	54	70
Unit 2	1.54	33.32	72	46	70
Unit 3	1.69	31.12	80	48	70
Unit 4	1.69	35.49	78	63	70
Unit 5	3.34	52.82	160	117	140
Unit 6	3.34	76.79	150	129	140
Unit 7	3.51	62.54	154	133	150
	16.87	297.33			710
Bhusawal					
Unit 1	1.20	25.46	55	41	55
Unit 2	0.00	5.17	0	0	0
Unit 3	4.54	104.98	195	172	190
	5.74	135.60			245
Parli					
Unit 1	0.62	14.41	28	22	20
Unit 2	0.00	13.12	0	0	0
Unit 3	3.88	93.94	167	132	170
Unit 4	0.00	81.26	0	0	0
Unit 5	4.03	97.87	178	146	165
Unit 6	5.35	110.39	242	206	220
	13.88	411.00			575
Chandrapur					
Unit 1	3.78	89.82	163	153	165
Unit 2	0.00	13.65	0	0	0
Unit 3	4.16	83.91	195	133	190
Unit 4	4.82	111.87	204	175	210
Unit 5	10.46	212.64	480	405	450
Unit 6	8.68	202.82	410	300	400
Unit 7	9.22	210.50	452	313	425
	41.12	925.21			1840
Paras					
Unit 2	0.49	10.88	22	19	20
Unit 3	5.04	105.82	220	199	200
	5.53	116.69			220
Khaparkheda					
Unit 1	4.56	116.06	206	155	200
Unit 2	4.15	109.97	192	132	190
Unit 3	4.70	107.82	207	154	180
Unit 4	4.54	121.98	213	140	180
	17.95	455.84			750
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.06	50.78	93	61	90
Unit 3	4.48	100.36	207	170	200
Unit 4	4.50	113.06	194	174	190
Unit 5	0.30	101.12	131	0	0
	11.33	365.32			480
Uran					
All Units	14.31	367.18	625	563	600
	14.31	367.18			600
Koyna					
Stage 1-2	3.00	44.22	315	40	600
Stage 4	7.73	71.72	763	0	250
Kovna 12&4 Total	10.73	115.94			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.65	32.79	320	0	320
	13.38	148.73			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.74	0	0	0
TILLARI	0.38	10.29	60	0	60
BHTGR/VEER	0.37	8.16	16	15	0
BHIRA T.R.	0.33	8.65	41	0	40
RNGR+BHTSA	0.10	3.33	17	1	3
BHANDARDRA	0.02	0.35	22	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	1.19	0	0	9
GHATGHAR	0.28	6.38	125	0	0
	1.49	39.09			112
PENCH (MS)					
Pench (MS)	1.24	16.58	54	50	0
	1.24	16.58			0
Wind					
MalharPeth	0.14	6.07			
Vankuswadi	0.35	13.94			
ATIT	0.07	3.07			
Kale	0.02	1.36			
Satara	0.13	6.61			
Shirala	0.12	4.28			
K Mahankal	0.38	6.91			
Supa	0.03	2.37			
Vita	0.69	25.21			
Dondaicha	2.65	70.85			
Sakri	0.41	11.69			
Nandurbar	0.41	10.04			
Khadakale	0.26	7.47			
Khaparale	0.31	8.26			
	5.97	178.12			
Dabhol					
RGPP L II	22.73	563.90	960	926	915
RGPP L III	0.00	0.00	0	0	0
	22.73	563.90			915
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	278.80	505	505	500
Trombay 6	11.65	266.92	510	280	500
Trombay 7A	2.28	57.37	99	91	80
Trombay 7B	1.43	20.75	60	58	80
Trombay 8	2.77	79.91	126	97	120
TATA Hydro	4.16	80.40	400	0	447
	34.41	784.15			1727
REL					
1&2	12.55	315.28	527	519	500
	12.55	315.28			500
Cent Sect					
Share					3374
					3374

MS PG CL	Thermal	112.42	2707.00		4820
	Thml+Gas	126.73	3074.18		5420
	Hydro	14.87	187.82		1282
	Total	141.60	3262.00		6702
State Total		218.50	5120.02		13218

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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	4365	828	604	5797	955	302	3015	2874	-79	-62	9916	1521	11437	1889	13326	49.00
2	4416	589	610	5615	956	267	2827	2729	73	98	9715	1559	11274	1698	12972	49.08
3	4505	416	611	5532	957	361	2897	2732	16	48	9680	1419	11099	1670	12769	49.08
4	4504	148	611	5263	957	371	2958	2839	-32	-1	9479	1549	11028	1594	12622	49.11
5	4524	274	611	5409	958	350	2943	2845	-32		9612	1650	11262	1586	12848	49.07
6	4566	773	625	5964	960	274	2777	2566	126	157	9971	1888	11859	1637	13496	49.26
7	4736	255	622	5613	958	213	2772	2415	22	45	9294	3126	12420	1780	14200	49.31
8	4739	142	621	5502	958	229	2770	2762	-31	-9	9495	3145	12640	1880	14520	49.25
9	4685	100	619	5404	955	284	2878	2523	-140	-124	9095	3778	12873	2175	15048	49.36
10	4666	183	599	5448	943	185	3213	3020	-495	-486	9163	3701	12864	2495	15359	49.08
11	4666	508	585	5759	943	107	3317	3231	-613	-606	9488	3351	12839	2705	15544	49.21
12	4617	724	580	5921	942	99	3372	3300	-671	-635	9680	3106	12786	2808	15594	49.22
13	4693	790	575	6058	935	138	3432	3265	-733	-706	9743	2979	12722	2767	15489	49.12
14	4738	752	571	6061	932	142	3436	3359	-738	-710	9837	3057	12894	2655	15549	49.10
15	4683	503	563	5749	926	170	3470	3147	-744	-715	9331	3287	12618	2739	15357	48.96
16	4680	178	572	5430	930	241	3455	3148	-729	-702	9100	3586	12686	2762	15448	49.13
17	4725	138	587	5450	939	229	3533	3459	-808	-780	9350	3489	12839	2742	15581	49.36
18	4861	268	588	5717	942	272	3413	3360	-712	-678	9667	3129	12796	2655	15451	49.30
19	4833	1032	595	6460	945	274	3251	3330	-508	-488	10574	3312	13886	2616	16502	49.30
20	4860	1301	592	6753	948	312	3457	3349	-503	-490	10926	3436	14362	2696	17058	49.34
21	4862	1397	584	6843	949	306	3366	3320	-411	-360	11108	3254	14362	2539	16901	49.29
22	4884	1214	596	6694	950	282	3369	3212	-413	-372	10816	3324	14140	2472	16612	49.29
23	4755	1272	592	6619	945	287	3251	2959	-361	-322	10538	2559	13097	2298	15395	49.09
24	4786	1085	594	6465	947	270	3100	2940	-253	-208	10464	1746	12210	2206	14416	49.06
MUs	112.35	14.87	14.31	141.53	22.73	5.96	76.27	72.68	-8.77	-8.11	236.04	66.95	302.99	55.06	358.06	49.18

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 25/Sep/2009

Position as on 6.30 Hrs of 26/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	
Parli Unit 2	30	23/09/2009	22.33	26/09/2009	04:22	Boiler Tube Leakage	
Nasik Unit 5	210	24/09/2009	10.25	25/09/2009	20:55	Boiler Tube Leakage	
Parli Unit 4	210	24/09/2009	15.40		Continued.	Boiler Tube Leakage	27/09/2009
Cent_Sect NTPC(K-3)	210	25/09/2009	22.07		Continued.	Boiler tube leakage	28/09/2009
Cent_Sect NTPC(V-3)	210	25/09/2009	23.00		Continued.	Boiler problem.	28/09/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Sep/2009

Position as on 6.30 Hrs of 26/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Satpur	25/09/2009	09:41	25/09/2009	18:10	Q. M. Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari -II	25/09/2009	10:20	25/09/2009	18:38	Relay retrofitting work.
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	00.27	25/09/2009	10:23	H/T for O/V
Kolhapur-Mapusa Ckt I	25/09/2009	23:53		Continued.	H/T for O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV,600 MVA ICT-II at Kalwa	25/09/2009	07:16	25/09/2009	11:06	Fire protection system work.
400/220 KV,315 MVA ICT-IAT NAGOTHANE	25/09/2009	09:33	25/09/2009	19:05	Hot spot attending work.
400 KV Main Bus-I at A'bad	25/09/2009	10:24	25/09/2009	17:36	Bay equipments commissioning work for proposed Akola - A'bad lines.
400/220 KV,600 MVA ICT-I @ Kalwa	25/09/2009	15:43	25/09/2009	18:34	Fire protection system work.
Kalwa-Padgha II	26/09/2009	06:09		Continued.	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
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	25/09/2009	07:25	25/09/2009	18:25	Earth wire replacement work.
Padgha-Temghar	25/09/2009	08:39	25/09/2009	18:49	Bus section outage at Temghar.
Wada-Kolshet	25/09/2009	09:55	25/09/2009	16:08	R. M. Work.
Bus Section III at Temghar.	25/09/2009	13:50	25/09/2009	18:20	Stringing work for bus.
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.
Gondia - Amgaon Railway	25/09/2009	10:50	25/09/2009	12:50	To attend hot spot.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Standard	25/09/2009	08:47	25/09/2009	16:19	For jumpering work.
K'gaon-Roha-II	25/09/2009	10:44	25/09/2009	18:55	Insulator replacement work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Parli-Lonikand - II	25/09/2009	18:48		Continued.	Line taken on TBC at Parli end for attending isolator sparking.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
CHINCHWAD-PARVATI	25/09/2009	14:39	25/09/2009	17:23	Outage at Chinchwad.
Bus section I,II,III at Chinchwad.	25/09/2009	14:42	25/09/2009	16:45	Sparking on Isolator of Bus Section - II.
Sonkar - Nerul	25/09/2009	16:26	25/09/2009	18:13	Replacement of existing wave trap jumpers.
Trombay - Sonkar	25/09/2009	18:45	25/09/2009	21:19	Replacement of existing wave trap jumpers.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	19/09/2009	01:03		Continued.	H/T to increase load on Akola ICT.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Sep/2009

Position as on 6.30 Hrs of 26/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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 : 220KV			Outage Type TRIPPED		
220/132 KV, 100 MVA ICT - II @ Beed.	24/09/2009	03:05		Continued.	Tripped on internal fault.
Kalwa-Nasik	25/09/2009	13:56	25/09/2009	15:32	Tripped on distance protection.
220/132 KV, 100MVA ICT-I at Beed	25/09/2009	19:00	25/09/2009	19:30	Tripped on Back up protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani-Jintur	24/09/2009	15.45	25/09/2009	16:13	Distance Protection
Jalgaon - Dhrangaon	25/09/2009	11:55	25/09/2009	12:15	Tripped on distance protection.
132/33 KV 25 MVA T/F - I at Pathari	25/09/2009	18:53	25/09/2009	19:30	Tripped on Back up protection.
132/33 KV 25 MVA T/F - II at Pathari	25/09/2009	18:53	25/09/2009	19:30	Tripped on Back up protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	40
Unit 2	105	60
Unit 3	105	65
Unit 4	105	75
Unit 5	200	120
Unit 6	210	150
Unit 7	210	150
	1040	660
Bhusawal		
Unit 1	58	25
Unit 2	210	0
Unit 3	210	190
	478	215
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	165
Unit 2	210	0
Unit 3	210	200
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	425
	2340	1850
Paras		
Unit 2	55	20
Unit 3	250	200
	305	220
Khaparkheda		
Unit 1	210	200
Unit 2	210	170
Unit 3	210	170
Unit 4	210	210
	840	750
Nasik		
Unit 1	120	0
Unit 2	120	70
Unit 3	210	200
Unit 4	210	180
Unit 5	210	160
	870	610
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	0
GHATGHAR	250	0
	611	103
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	100
Trombay 8	250	100
TATA Hydro	444	447
	2024	1727
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3152
	3143	3152

	17616	7 of 7	13072
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