



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Sep/2009 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.327	1802.284	1) Madhya Pradesh	47.477	868.702
2) Hydro	4.600	90.748	2) Gujrat	29.702	339.657
3) Gas	14.657	252.294	3) Goa	-5.841	-97.186
Total MSGENCO	135.584	2145.326	4) TAPS 1&2 (Inj.)	7.247	123.497
B) OTHERS			5) Pench (Excess)	-0.084	-2.906
1) RGPPL Gas	22.320	389.695	# Total Cent. Sector	78.501	1231.764
2) Wind Generation	3.221	141.410	F) Other Exchanges		
3) PENCH (MS)	0.939	6.916	1) With TPCL	-7.467	-110.299
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	29.339	466.629	1) MSEDCL Bilateral	3.894	87.655
2) TPCL Hydro	3.960	54.514	Include PX	0.000	2.941
TOTAL TPCL	33.299	521.143	2) MUMBAI Bilateral	7.993	122.262
3) REL Thermal	12.582	214.697	Include PX	0.214	3.059
D) STATE			3) MUMBAI Schedule	7.993	124.087
1) Thermal (A1+C1+C3)	158.248	2483.610	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	9.499	152.178	1) MSEDCL	233.098	3804.812
3) Gas (A3+B1)	36.977	641.989	2) TPCL	35.256	558.691
4) Wind (B2)	3.221	141.410	3) REL	18.092	287.270
TOTAL STATE	207.945	3419.187	TOTAL STATE	286.446	4650.773

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	4876	4593	4948
MSGENCO Hydro	210	897	56
MSGENCO Gas	615	594	618
MSGENCO Total Generation	5701	6084	5622
Central Sector Receipt	3413	3596	2511
RGPPL	930	930	930
WIND	60	262	177
Exchange with TPCL	-610	-401	-24
MSEDCL DEMAND MET	9540	10524	9270
Load Shedding	1368	2544	347
MSEDCL DEMAND (INCL. LS)	10908	13068	9617
TPCL GENERATION	1553	1644	1003
REL GENERATION	526	522	525
TPCL+REL DEMAND	2689	2567	1552
STATE DEMAND MET	12229	13091	10822
STATE DEMAND (INCL. LS)	13597	15635	11169
Frequency (Hz)	49.76	49.50	49.49
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2994 MW at 20.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			33.58 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.32 Hz at 15.07 Hrs	49.07 Hz at 23.43 Hrs	49.68	0 % 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 17/Sep/2009

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi						Stage 3	0.91	16.78	240	0	320
Unit 1	0.00	0.00	0	0	0		3.05	63.36			1090
Unit 2	1.54	20.66	73	44	70	Hydro					
Unit 3	1.65	17.48	78	47	70	KDPH	0.00	0.00	0	0	0
Unit 4	0.93	23.66	79	0	70	VTRNA	0.00	0.52	0	0	0
Unit 5	3.22	34.27	144	125	150	TILLARI	0.40	7.50	60	0	60
Unit 6	3.26	50.92	157	125	140	BHTGR/VEER	0.51	6.38	22	20	30
Unit 7	3.52	33.96	162	129	150	BHIRA T.R.	0.43	6.09	82	0	80
	14.12	180.95			650	RNGR+BHTSA	0.15	1.64	17	1	17
Bhusawal						BHANDARDRA	0.00	0.33	0	0	0
Unit 1	1.03	15.60	53	35	40	ELDARY	0.00	0.00	0	0	0
Unit 2	0.00	5.17	0	0	0	PAITHAN	0.06	0.98	10	0	10
Unit 3	4.04	70.10	195	146	160	GHATGHAR	0.00	3.95	0	0	0
	5.07	90.86			200		1.55	27.38			197
Parli						PENCH (MS)					
Unit 1	0.56	9.75	26	20	20	Pench (MS)	0.94	6.92	54	10	
Unit 2	0.57	9.88	25	21	20		0.94	6.92			
Unit 3	4.12	63.69	186	158	180	Wind					
Unit 4	3.75	54.98	176	128	170	MalharPeth	0.09	5.29			
Unit 5	3.96	66.94	189	146	170	Vankuswadi	0.32	11.61			
Unit 6	4.91	74.52	240	156	220	ATIT	0.12	2.41			
	17.88	279.76			780	Kale	0.01	1.17			
Chandrapur						Satara	0.34	5.72			
Unit 1	3.83	60.51	168	143	165	Shirala	0.09	3.54			
Unit 2	0.00	13.65	0	0	0	K Mahankal	0.01	5.78			
Unit 3	3.02	56.57	153	93	160	Supa	0.07	1.71			
Unit 4	4.69	75.46	206	162	210	Vita	0.46	20.02			
Unit 5	8.91	136.42	422	317	400	Dondaicha	1.05	54.77			
Unit 6	9.71	130.59	430	370	425	Sakri	0.17	9.23			
Unit 7	9.49	135.63	435	315	400	Nandurbar	0.19	7.29			
	39.64	608.83			1760	Khadakale	0.23	5.80			
Paras						Khaparale	0.06	7.07			
Unit 2	0.00	7.90	0	0	0		3.22	141.41			
Unit 3	4.97	66.61	220	191	200	Dabhol					
	4.97	74.52			200	RGPPPL II	22.32	389.70	930	930	897
Khaparkheda						RGPPPL III	0.00	0.00	0	0	
Unit 1	4.84	78.40	207	190	200		22.32	389.70			897
Unit 2	4.56	75.22	202	181	190	Tata					
Unit 3	5.10	81.69	214	211	210	Trombay 4	0.00	0.00	0	0	0
Unit 4	5.01	82.60	213	202	210	Trombay 5	11.72	182.12	505	360	500
	19.52	317.91			810	Trombay 6	10.99	180.96	510	230	500
Nasik						Trombay 7A	2.25	37.86	98	88	90
Unit 1	0.00	0.00	0	0	0	Trombay 7B	1.42	8.90	60	58	70
Unit 2	1.45	34.33	80	43	90	Trombay 8	2.95	56.79	127	120	120
Unit 3	4.71	64.72	206	182	200	TATA Hydro	3.96	54.51	351	0	447
Unit 4	4.54	77.22	195	180	190		33.30	521.14			1727
Unit 5	4.42	73.17	192	176	180	REL					
	15.12	249.45			660	1&2	12.58	214.70	528	521	500
Uran							12.58	214.70			500
All Units	14.66	252.29	642	594	620	Cent Sect					
	14.66	252.29			620	Share					3426
Koyna											3426
Stage 1-2	1.04	20.76	125	25	520	MS PG CL					
Stage 4	1.10	25.82	412	0	250	Thermal	116.33	1802.28			5060
Koyna 12&4 Total	2.14	46.58			770	Thml+Gas	130.98	2054.58			5680
						Hydro	4.60	90.75			1287
						Total	135.58	2145.33			6967
						State Total	207.94	3419.19			13517

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 17/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	4882	118	617	5617	930	116	2952	2728	-74	-46	9398	896	10294	1842	12136	49.28
2	4872	56	620	5548	930	142	2952	2874	-74	-43	9504	817	10321	1691	12012	49.44
3	4932	56	605	5593	930	166	2952	2604	-74	-39	9308	633	9941	1566	11507	49.48
4	4948	56	618	5622	930	177	2952	2511	-74	-24	9270	347	9617	1552	11169	49.49
5	4948	56	616	5620	930	183	2952	2726	-74	-40	9473	297	9770	1568	11338	49.47
6	4997	68	615	5680	930	195	2952	3001	-74	-52	9808	787	10595	1652	12247	49.60
7	5021	77	605	5703	930	199	2882	2549	-74	-56	9335	1483	10818	1762	12580	49.91
8	5104	51	642	5797	930	154	2920	2841	-57	-37	9695	775	10470	1871	12341	49.88
9	5059	84	632	5775	930	136	3081	3161	-142	-122	9890	708	10598	2063	12661	49.85
10	5039	187	622	5848	930	126	3400	3559	-497	-491	9982	731	10713	2447	13160	49.93
11	5042	211	614	5867	930	92	3515	3400	-607	-605	9711	1204	10915	2657	13572	49.89
12	4876	210	615	5701	930	60	3445	3413	-607	-610	9540	1368	10908	2689	13597	49.76
13	4880	131	610	5621	930	43	3443	3564	-607	-599	9612	1383	10995	2671	13666	49.74
14	4796	74	605	5475	930	43	3423	3593	-607	-598	9496	1496	10992	2597	13589	49.76
15	4697	74	602	5373	930	51	3423	3542	-607	-601	9348	1905	11253	2670	13923	49.91
16	4764	74	608	5446	930	61	3423	3638	-607	-600	9495	1637	11132	2681	13813	50.01
17	4734	71	601	5406	930	85	3523	3968	-607	-599	9810	1619	11429	2633	14062	49.87
18	4714	79	604	5397	930	86	3366	3674	-479	-465	9642	1976	11618	2578	14196	49.82
19	4713	300	603	5616	930	150	3348	3621	-371	-351	9986	2391	12377	2519	14896	49.72
20	4593	897	594	6084	930	262	3483	3596	-419	-401	10524	2544	13068	2567	15635	49.50
21	4614	811	608	6033	930	191	3412	3740	-348	-310	10637	2344	12981	2442	15423	49.65
22	4688	553	607	5848	930	174	3404	3569	-339	-299	10275	2374	12649	2328	14977	49.59
23	4686	190	598	5474	930	179	3386	3428	-321	-274	9790	1965	11755	2210	13965	49.40
24	4738	117	596	5451	930	155	3314	3201	-250	-205	9585	1419	11004	2092	13096	49.31
MUs	116.34	4.60	14.66	135.60	22.32	3.23	77.90	78.50	-7.99	-7.47	233.11	33.10	266.21	53.35	319.56	49.68

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 17/Sep/2009

Position as on 6.30 Hrs of 18/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
Koradi Unit 1	105	24/07/2009	01:20		Continued.	ANNUAL OVERHAUL	22/09/2009
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
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.	20/09/2009
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 Unit 6	75	11/09/2009	07.05		Continued.	Attending injector problem	20/09/2009
Cent_Sect NTPC(K-3)	210	15/09/2009	16.17	17/09/2009	07.16	Condenser Tube Leakage.	
Paras Unit 2	55	16/09/2009	08.15	18/09/2009	06.20	Not Available of Coal Cycle.	
Koradi Unit 4	115	17/09/2009	14.31		Continued.	C W Pump Problem.	20/09/2009
Cent_Sect Kawas GT1B	106	18/09/2009	02.06		Continued.	Withdraw.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Sep/2009

Position as on 6.30 Hrs of 18/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.
Voltage Level : 400KV			Outage Type TRIPPED		
Seoni - Wardha	01/09/2009	01.44		Continued.	Tripped on Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi-Ponda	17/09/2009	13.15	17/09/2009	21.15	B Ph Decapping.
MUDSHINGI-CHIKODI	17/09/2009	13.15	17/09/2009	13.50	Tripped.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Chandrapur-Padaghe Pole - II	14/09/2009	14.51		Continued.	Annual Maintenance Work.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV TBC At Kolhapur	15/09/2009	10.40		Continued.	TBC Breaker Overhauling.
400/220 KV 315 MVA ICT at Akola	17/09/2009	08.14		Continued.	Testing Work.
Stage-IV-Jejuri	17/09/2009	10.43	17/09/2009	16.45	Insulator Replacement.
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.
K'gaon-Lonand	17/09/2009	08.15	17/09/2009	19.30	Earthwire Replacement.
Butibori - Wardha	17/09/2009	09.54	17/09/2009	17.37	Retrofitting Work.
Pusad - Parbhani	17/09/2009	10.13	17/09/2009	12.35	Q.M.Work.
Pirangut-Hinjewadi	17/09/2009	12.04	17/09/2009	19.43	Line Maintenance Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400 KV N'koyna-Bus Coupler	17/09/2009	10.12	17/09/2009	12.11	Trip CKT Faulty.
Padgha 400 KV A C Ckt - I	17/09/2009	17.07	17/09/2009	21.32	Taken on TBC,To Attend Own Breaker Oil Leakage.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Bus Coupler - 2 Breaker @ Nasik	17/09/2009	14.35	17/09/2009	16.35	Hot Spot.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi - Peth	17/09/2009	13.15	17/09/2009	14.15	Tripped,Bus Fault.
Mudshingi - Karad - II	17/09/2009	13.15	17/09/2009	13.50	Tripped.
220/33 KV 25 MVA T/F @ Mudshingi	17/09/2009	13.15	17/09/2009	13.40	Tripped.
Mudshingi - Karad - III	17/09/2009	13.15	17/09/2009	13.50	Tripped.
Mudshingi - Karad - IV	17/09/2009	13.15	17/09/2009	13.35	Tripped.
Mudshingi-Talangade - I	17/09/2009	13.15	17/09/2009	13.55	Tripped.
Talangade-Mudshingi-II	17/09/2009	13.15	17/09/2009	13.55	Tripped.
220/110 KV T/F - 3 @ Mudshingi	17/09/2009	13.15	17/09/2009	13.35	Tripped.
220/110 KV 100 MVA T/F - I @ Mudshingi	17/09/2009	13.15	17/09/2009	13.35	Tripped.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Sep/2009

Position as on 6.30 Hrs of 18/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/110 KV 100 MVA T/F - II @ Mudshingi	17/09/2009	13.15	17/09/2009	13.35	Tripped.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 18/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			KDPH	40	0
Unit 1	105	0	VTRNA	60	0
Unit 2	105	70	TILLARI	60	60
Unit 3	105	75	BHTGR/VEER	21	20
Unit 4	105	0	BHIRA T.R.	80	80
Unit 5	200	125	RNGR+BHTSA	20	17
Unit 6	210	110	BHANDARDRA	45	0
Unit 7	210	145	ELDARY	23	0
	1040	525	PAITHAN	12	10
Bhusawal			GHATGHAR	250	0
Unit 1	58	40		611	187
Unit 2	210	0	PENCH (MS)		
Unit 3	210	180	Pench (MS)	53	0
	478	220		53	0
Parli			Wind		
Unit 1	30	20	MalharPeth	0	
Unit 2	30	20	Vankuswadi	0	
Unit 3	210	180	ATIT	0	
Unit 4	210	170	Kale	0	
Unit 5	210	170	Satara	0	
Unit 6	250	160	Shirala	0	
	940	720	K Mahankal	0	
Chandrapur			Supa	0	
Unit 1	210	165	Vita	0	
Unit 2	210	0	Dondaicha	0	
Unit 3	210	150	Sakri	0	
Unit 4	210	210	Nandurbar	0	
Unit 5	500	300	Khadakale	0	
Unit 6	500	300	Khaparale	0	
Unit 7	500	400		0	
	2340	1525	Dabhol		
Paras			RGPPL II	960	894
Unit 2	55	40	RGPPL III	740	0
Unit 3	250	160		1700	894
	305	200	Tata		
Khaparkheda			Trombay 4	150	0
Unit 1	210	200	Trombay 5	500	500
Unit 2	210	190	Trombay 6	500	500
Unit 3	210	210	Trombay 7A	120	78
Unit 4	210	210	Trombay 7B	60	100
	840	810	Trombay 8	250	100
Nasik			TATA Hydro	444	447
Unit 1	120	0		2024	1725
Unit 2	120	80	REL		
Unit 3	210	200	1&2	500	500
Unit 4	210	190		500	500
Unit 5	210	160	Cent Sect		
	870	630	Share	3143	3453
Uran				3143	3453
All Units	852	575			
	852	575			
Koyna					
Stage 1-2	600	520			
Stage 4	1000	250			
Stage 3	320	320			
	1920	1090			
Hydro					