



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Sep/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.269	1221.671	1) Madhya Pradesh	52.963	636.108
2) Hydro	3.287	50.407	2) Gujrat	25.595	198.462
3) Gas	14.839	179.224	3) Goa	-5.767	-66.856
Total MSGENCO	131.395	1451.302	4) TAPS 1&2 (Inj.)	7.220	87.268
B) OTHERS			5) Pench (Excess)	-0.736	-2.602
1) RGPPL Gas	23.004	275.245	# Total Cent. Sector	79.275	852.380
2) Wind Generation	1.793	124.492	F) Other Exchanges		
3) PENCH (MS)	0.736	2.602	1) With TPCL	-7.730	-71.992
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.313	331.971	1) MSEDCL Bilateral	6.060	62.409
2) TPCL Hydro	1.878	35.735	Include PX	0.000	2.941
TOTAL TPCL	29.191	367.706	2) MUMBAI Bilateral	7.348	82.595
3) REL Thermal	12.616	151.782	Include PX	0.095	0.138
D) STATE			3) MUMBAI Schedule	8.148	83.395
1) Thermal (A1+C1+C3)	153.198	1705.424	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	5.901	88.744	1) MSEDCL	228.473	2634.029
3) Gas (A3+B1)	37.843	454.469	2) TPCL	32.511	391.976
4) Wind (B2)	1.793	124.492	3) REL	17.054	199.432
TOTAL STATE	198.735	2373.129	TOTAL STATE	278.038	3225.437

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	4781	4738	4517
MSGENCO Hydro	169	573	79
MSGENCO Gas	621	602	612
MSGENCO Total Generation	5571	5913	5208
Central Sector Receipt	3326	3394	2698
RGPPL	958	958	960
WIND	63	79	86
Exchange with TPCL	-553	-356	-4
MSEDCL DEMAND MET	9391	10041	8975
Load Shedding	1579	2341	0
MSEDCL DEMAND (INCL. LS)	10970	12382	8975
TPCL GENERATION	1342	1504	999
REL GENERATION	526	526	524
TPCL+REL DEMAND	2421	2386	1527
STATE DEMAND MET	11812	12427	10502
STATE DEMAND (INCL. LS)	13391	14768	10502
Frequency (Hz)	49.89	49.50	49.90
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2683 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			31.57 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.25 Hz at 02.01 Hrs	49.03 Hz at 19.12 Hrs	49.82	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 12/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	0.27	9.68	130	0	240
Unit 1	0.00	0.00	0	0	0		1.74	29.75			1015
Unit 2	1.65	12.53	74	54	60	Hydro					
Unit 3	1.60	9.27	78	43	70	KDPH	0.00	0.00	0	0	0
Unit 4	1.76	15.97	82	66	70	VTRNA	0.00	0.52	0	0	0
Unit 5	3.16	18.55	154	115	130	TILLARI	0.48	5.84	60	0	60
Unit 6	3.26	34.73	148	125	140	BHTGR/VEER	0.48	5.10	20	20	20
Unit 7	0.00	22.72	0	0	0	BHIRA T.R.	0.32	4.28	42	0	80
	11.44	113.76			470	RNGR+BHTSA	0.10	1.24	4	4	14
Bhusawal						BHANDARDRA	0.00	0.20	0	0	0
Unit 1	0.95	10.58	55	22	45	ELDARY	0.00	0.00	0	0	0
Unit 2	0.00	5.17	0	0	0	PAITHAN	0.06	0.69	10	0	10
Unit 3	4.02	49.88	186	148	185	GHATGHAR	0.11	2.79	107	0	0
	4.97	65.63			230		1.54	20.66			184
Parli						PENCH (MS)					
Unit 1	0.58	7.00	26	20	20	Pench (MS)	0.74	2.60	53	26	0
Unit 2	0.59	6.97	25	23	20		0.74	2.60			0
Unit 3	4.14	43.62	180	164	170	Wind					
Unit 4	3.82	34.78	172	150	155	MalharPeth	0.05	4.77			
Unit 5	4.15	47.19	178	160	175	Vankuswadi	0.20	10.33			
Unit 6	5.20	50.88	229	195	220	ATIT	0.02	2.10			
	18.49	190.43			760	Kale	0.01	1.05			
Chandrapur						Satara	0.16	5.06			
Unit 1	3.54	41.51	161	110	160	Shirala	0.06	3.23			
Unit 2	0.00	13.65	0	0	0	K Mahankal	0.01	5.26			
Unit 3	3.97	38.06	191	126	175	Supa	0.04	1.34			
Unit 4	4.63	51.34	203	162	210	Vita	0.37	17.62			
Unit 5	8.86	90.22	417	324	400	Dondaicha	0.59	48.11			
Unit 6	8.40	84.27	405	305	350	Sakri	0.08	8.15			
Unit 7	9.08	87.82	411	311	375	Nandurbar	0.13	6.14			
	38.49	406.88			1670	Khadakale	0.05	4.75			
Paras						Khaparale	0.04	6.59			
Unit 2	0.14	6.18	18	0	40		1.79	124.49			
Unit 3	4.75	42.30	223	162	180	Dabhol					
	4.89	48.48			220	RGPPPL II	23.00	275.24	963	956	900
Khaparkheda						RGPPPL III	0.00	0.00	0	0	0
Unit 1	4.62	55.53	208	151	200		23.00	275.24			900
Unit 2	4.48	53.10	196	160	190	Tata					
Unit 3	5.10	58.21	214	211	210	Trombay 4	0.00	0.00	0	0	0
Unit 4	5.08	58.04	214	189	210	Trombay 5	10.12	134.62	505	0	500
	19.28	224.88			810	Trombay 6	10.76	125.56	510	220	500
Nasik						Trombay 7A	2.28	26.84	106	88	100
Unit 1	0.00	0.00	0	0	0	Trombay 7B	1.42	1.85	63	57	100
Unit 2	2.09	24.65	93	80	94	Trombay 8	2.74	43.10	123	110	100
Unit 3	4.75	41.14	205	180	198	TATA Hydro	1.88	35.74	334	0	447
Unit 4	4.63	54.54	200	183	191		29.19	367.71			1747
Unit 5	4.25	51.28	188	159	174	REL					
	15.71	171.61			657	1&2	12.62	151.78	527	524	500
Uran							12.62	151.78			500
All Units	14.84	179.22	638	598	620	Cent Sect					
	14.84	179.22			620	Share					3240
Koyna											3240
Stage 1-2	1.14	14.27	115	30	525						
Stage 4	0.34	5.80	226	0	250						
Koyna 12&4 Total	1.47	20.07			775						
						MS	Thermal	113.27	1221.67		4817
						PG	Thml+Gas	128.11	1400.90		5437
						CL	Hydro	3.29	50.41		1199
							Total	131.40	1451.30		6636
						State Total		198.74	2373.13		13023

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 12/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	4523	59	635	5217	957	82	2894	2900	-34	-6	9177	0	9177	1795	10972	50.00
2	4499	54	633	5186	960	98	2894	2743	-34	-3	9010	0	9010	1678	10688	50.00
3	4504	59	636	5199	959	92	2894	2828	-34	-4	9101	0	9101	1556	10657	50.11
4	4517	79	612	5208	960	86	2894	2698	-34	-4	8975	0	8975	1527	10502	49.90
5	4572	69	600	5241	960	92	2894	2907	-34	-6	9221	0	9221	1530	10751	49.88
6	4651	64	610	5325	960	99	2894	3174	-34	-7	9577	313	9890	1590	11480	49.81
7	4735	64	612	5411	959	59	2840	3104	-34	-10	9550	903	10453	1680	12133	49.85
8	4827	69	638	5534	958	94	2846	2940	-34	-12	9541	917	10458	1744	12202	49.88
9	4863	153	636	5652	958	63	2966	3065	-144	-115	9649	923	10572	1911	12483	49.86
10	4843	185	624	5652	958	53	3243	3348	-498	-484	9554	1201	10755	2245	13000	49.80
11	4781	169	621	5571	958	63	3305	3326	-569	-553	9391	1579	10970	2421	13391	49.89
12	4778	159	598	5535	957	47	3294	3212	-569	-562	9215	1681	10896	2472	13368	49.59
13	4815	106	621	5542	958	42	3279	3292	-569	-578	9283	1521	10804	2489	13293	49.90
14	4813	69	610	5492	956	64	3272	3349	-551	-567	9321	1291	10612	2368	12980	49.73
15	4748	59	606	5413	956	82	3272	3420	-551	-555	9343	1403	10746	2369	13115	49.63
16	4753	166	616	5535	959	96	3256	3415	-551	-558	9474	1458	10932	2382	13314	49.90
17	4741	76	615	5432	958	61	3284	3587	-564	-566	9499	1493	10992	2332	13324	49.85
18	4786	129	612	5527	958	69	3181	3641	-482	-489	9732	1470	11202	2281	13483	49.75
19	4751	250	600	5601	956	83	3117	3497	-360	-350	9830	2187	12017	2246	14263	49.49
20	4738	573	602	5913	958	79	3218	3394	-360	-356	10041	2341	12382	2386	14768	49.50
21	4774	291	618	5683	959	86	3216	3917	-343	-310	10388	2016	12404	2273	14677	49.74
22	4745	227	622	5594	960	71	3235	3961	-615	-576	10063	2048	12111	2211	14322	49.86
23	4790	79	628	5497	959	60	3241	3885	-575	-515	9913	1662	11575	2077	13652	49.90
24	4722	69	634	5425	963	72	3023	3672	-572	-544	9615	1127	10742	1974	12716	49.82
MUs	113.27	3.28	14.84	131.38	23.00	1.79	74.45	79.28	-8.15	-7.73	228.46	27.53	256.00	49.54	305.53	49.82

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 12/Sep/2009

Position as on 6.30 Hrs of 13/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	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	
Koradi Unit 7	210	08/09/2009	15.10		Continued.	Coal bunkering problem.	
Koyna Unit 6	75	11/09/2009	07.05		Continued.	Attending injector problem	
Cent_Sect NTPC(V-2)	210	11/09/2009	23.00	12/09/2009	19:17	Boiler Tube Leakage	
Paras Unit 2	55	12/09/2009	08:02	13/09/2009	18.59	W/dn for B.T.L.	
Tata Trombay 5	500	12/09/2009	20:08	13/09/2009	03:53	Tripped on Low Vaccum.	
Tata Trombay 8	250	13/09/2009	10.33	13/09/2009	16.35	Flame Failure.	
Cent_Sect NTPC (K-2)	210	13/09/2009	14.53	13/09/2009	20.27	Bus Fault at Korba.	
Cent_Sect NTPC(K-3)	210	13/09/2009	14.53	13/09/2009	21.36	Bus Fault at Korba.	
Cent_Sect NTPC(K-6)	500	13/09/2009	14.53	13/09/2009	23.28	Bus Fault at Korba.	
Parli Unit 6	250	13/09/2009	15.07	13/09/2009	19.48	Low Pressure Water Cooling System.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Sep/2009

Position as on 6.30 Hrs of 13/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudshingi-Ponda	13/09/2009	08.35		Continued.	Tower Errection Work.
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	11/09/2009	22.32	12/09/2009	08:14	H/T for O/V
Kolhapur-Mapusa-II	12/09/2009	23:41	13/09/2009	07.59	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		
400/220KV,315MVA ICT-II at Kharghar	12/09/2009	09:26	12/09/2009	17:42	On TBC to attained Hot Spot on 29A,29B Isolator.
New Koyna - Dabhol - II	13/09/2009	08.58	13/09/2009	17.43	Line taken on TBC for Cold Washing of Bay Equipments.
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.
Pirangut-Hinjewadi	10/09/2009	08.25		Continued.	Erection of New Tower
220/132,100 MVA ICT - I @ A'Nagar	12/09/2009	09:39	12/09/2009	22:00	Q.M. Retrofitting Work.
Kalwa I-Kalwa II Inter connector	12/09/2009	09:49	12/09/2009	21:55	SMS Work, Tand Measurment.
Nasik-Bablswr Ckt II	12/09/2009	10:39	12/09/2009	18:08	Q.M. Work.
Uran-ONGC	12/09/2009	11:03	12/09/2009	20:39	Testing Work.
Pophali-K'gaon	13/09/2009	08.45	13/09/2009	17.30	For Attending Broken Isolator Jumper.
220/100 125 MVA ICT - II @ Trombay	13/09/2009	08.59		Continued.	Isolator Replacement Work.
Talangade - Mumewadi	13/09/2009	09.01		Continued.	Tower Errection Work.
Kharghar-Nerul	13/09/2009	09.02	13/09/2009	22.05	Testing Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Deepnagar - Pachora	12/09/2009	09:25	12/09/2009	19:06	For stringing of 400 KV D/C Deep Nagar-Waduj line.
Pahur - Pachora	12/09/2009	09:30	12/09/2009	19:02	For Stringing of 400 KV D/C Deep Nagar - Waduj line.
OZAR - DANDORI	12/09/2009	10:20	12/09/2009	12:15	LA Repl. at Ozar.
Boisar(MIDC)-Dahanu - I	12/09/2009	11:20	12/09/2009	14:50	Insulator repl.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
New koyna B.C. Breaker	12/09/2009	11:28	12/09/2009	12:02	SF-6 Gas Filling.
Lonikand-Khadki	12/09/2009	17:55	12/09/2009	20:17	To attained flash over on loc.34.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	09/09/2009	16:12		Continued.	H/T for Akola ICT loading.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Sep/2009

Position as on 6.30 Hrs of 13/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
Bablsr-Padgha Ckt I	12/09/2009	11:43	12/09/2009	20:48	Tripped on Dist. Prot.
Lonikand-Karad	13/09/2009	02:28	13/09/2009	05:19	Tripped on Dist.Prot.,Z1.
Voltage Level : 220KV			Outage Type TRIPPED		
Bblswr-Anagar Ckt.II	12/09/2009	13:28	12/09/2009	13:51	Dist. Prot.,RE,Z1.
Lonikand-Khadki	12/09/2009	15:21	12/09/2009	15:32	Dist.Prot.,BE.
Century Enka - Bhosari	12/09/2009	15:21	12/09/2009	16:42	Tripped.
BBLSWR-ANAGAR CKT I	12/09/2009	18.48	13/09/2009	10.55	Decapping @ Loc.No.174 B ph.
Century Enka - Khadki	12/09/2009	19:10	12/09/2009	20:50	Tripped.
Virur - Gadhchiroli	13/09/2009	04:40	13/09/2009	04:55	Tripped on Dist.Prot.,Z1,R Ph E.
New Paras TPS - Chikhali - I	13/09/2009	22.27		Continued.	Y ph C T Burst @ Chikhli.
Voltage Level : 132KV			Outage Type TRIPPED		
Chaligaon - Kannad	11/09/2009	14.59	12/09/2009	12.54	Distance Protection
Chikali - Buldhana	13/09/2009	22.27	13/09/2009	22.37	Tripped on Back up Protection.
Voltage Level : 100KV			Outage Type TRIPPED		
Padgha - Murbad - II	12/09/2009	18:25	12/09/2009	19:22	Tripped on Dist.Prot.Z1.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 13/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	60	TILLARI	60	60
Unit 3	105	60	BHTGR/VEER	21	20
Unit 4	105	50	BHIRA T.R.	80	80
Unit 5	200	150	RNGR+BHTSA	20	14
Unit 6	210	150	BHANDARDRA	45	0
Unit 7	210	0	ELDARY	23	0
	1040	470	PAITHAN	12	0
Bhusawal			GHATGHAR	250	0
Unit 1	58	20		611	174
Unit 2	210	0	PENCH (MS)		
Unit 3	210	185	Pench (MS)	53	
	478	205		53	
Parli			Wind		
Unit 1	30	20	MalharPeth	0	
Unit 2	30	20	Vankuswadi	0	
Unit 3	210	150	ATIT	0	
Unit 4	210	170	Kale	0	
Unit 5	210	170	Satara	0	
Unit 6	250	220	Shirala	0	
	940	750	K Mahankal	0	
Chandrapur			Supa	0	
Unit 1	210	150	Vita	0	
Unit 2	210	0	Dondaicha	0	
Unit 3	210	210	Sakri	0	
Unit 4	210	200	Nandurbar	0	
Unit 5	500	400	Khadakale	0	
Unit 6	500	400	Khaparale	0	
Unit 7	500	400		0	
	2340	1760	Dabhol		
Paras			RGPPL II	960	900
Unit 2	55	20	RGPPL III	740	
Unit 3	250	180		1700	900
	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	170	Trombay 7A	120	100
Unit 4	210	150	Trombay 7B	60	100
	840	710	Trombay 8	250	100
Nasik			TATA Hydro	444	447
Unit 1	120	0		2024	1747
Unit 2	120	85	REL		
Unit 3	210	200	1&2	500	500
Unit 4	210	190		500	500
Unit 5	210	180	Cent Sect		
	870	655	Share	3143	3054
Uran				3143	3054
All Units	852	620			
	852	620			
Koyna					
Stage 1-2	600	525			
Stage 4	1000	250			
Stage 3	320	240			
	1920	1015			
Hydro					
				17616	12760