



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Sep/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.940	3172.057	1) Madhya Pradesh	58.094	1553.025
2) Hydro	6.447	232.145	2) Gujrat	12.029	551.939
3) Gas	14.261	424.602	3) Goa	-5.826	-167.917
Total MSGENCO	138.648	3828.804	4) TAPS 1&2 (Inj.)	7.185	210.075
B) OTHERS			5) Pench (Excess)	-0.966	-12.739
1) RGPPL Gas	21.713	654.034	# Total Cent. Sector	70.516	2134.383
2) Wind Generation	10.467	212.401	F) Other Exchanges		
3) PENCH (MS)	0.966	20.234	1) With TPCL	-10.013	-192.880
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.208	817.308	1) MSEDCL Bilateral	5.277	154.157
2) TPCL Hydro	5.294	92.947	Include PX	0.000	2.941
TOTAL TPCL	32.502	910.255	2) MUMBAI Bilateral	10.414	211.210
3) REL Thermal	12.498	365.381	Include PX	1.021	15.961
D) STATE			3) MUMBAI Schedule	10.814	215.985
1) Thermal (A1+C1+C3)	157.646	4354.746	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	12.707	345.326	1) MSEDCL	232.297	6656.976
3) Gas (A3+B1)	35.974	1078.636	2) TPCL	36.439	968.610
4) Wind (B2)	10.467	212.401	3) REL	18.574	499.820
TOTAL STATE	216.794	5991.109	TOTAL STATE	287.310	8125.406

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4712	5116	4878
MSGENCO Hydro	732	496	40
MSGENCO Gas	572	592	619
MSGENCO Total Generation	6016	6204	5537
Central Sector Receipt	3467	3503	1876
RGPPL	909	903	902
WIND	220	462	597
Exchange with TPCL	-768	-496	3
MSEDCL DEMAND MET	9897	10626	8968
Load Shedding	2453	2496	0
MSEDCL DEMAND (INCL. LS)	12350	13122	8968
TPCL GENERATION	1542	1634	1076
REL GENERATION	519	516	522
TPCL+REL DEMAND	2829	2646	1595
STATE DEMAND MET	12726	13272	10563
STATE DEMAND (INCL. LS)	15179	15768	10563
Frequency (Hz)	49.02	49.16	49.67
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2538 MW AT 13.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			49.31 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.12 Hz at 08.03 Hrs	48.64 Hz at 21.35 Hrs	49.31	26.47 % 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 29/Sep/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.33	11.19	78	24	50
Unit 2	1.48	39.17	71	46	70
Unit 3	1.55	37.50	75	42	70
Unit 4	1.16	41.28	76	23	50
Unit 5	3.24	65.42	141	125	140
Unit 6	3.44	90.71	153	139	140
Unit 7	3.90	78.39	181	138	160
	16.08	363.66			680
Bhusawal					
Unit 1	0.57	28.38	26	21	25
Unit 2	0.00	5.17	0	0	0
Unit 3	4.50	121.54	195	178	200
	5.07	155.08			225
Parli					
Unit 1	0.50	16.68	26	0	20
Unit 2	0.54	15.27	24	21	20
Unit 3	3.82	109.10	169	146	170
Unit 4	1.94	83.20	169	0	0
Unit 5	4.00	114.26	178	152	160
Unit 6	5.44	132.24	236	211	220
	16.24	470.74			590
Chandrapur					
Unit 1	3.78	105.00	161	144	165
Unit 2	0.00	13.65	0	0	0
Unit 3	4.02	99.83	183	135	190
Unit 4	4.54	128.99	200	162	200
Unit 5	9.32	251.66	410	369	450
Unit 6	9.22	240.26	415	360	425
Unit 7	9.79	247.92	429	367	425
	40.66	1087.32			1855
Paras					
Unit 2	0.47	12.77	23	17	20
Unit 3	5.24	126.05	232	207	210
	5.71	138.82			230
Khaparkheda					
Unit 1	4.66	133.73	203	174	180
Unit 2	3.94	126.59	184	135	190
Unit 3	4.81	124.86	212	193	190
Unit 4	4.51	140.55	213	154	210
	17.91	525.74			770
Nasik					
Unit 1	1.67	5.20	87	55	90
Unit 2	2.00	58.22	91	76	80
Unit 3	4.25	118.54	208	151	200
Unit 4	4.22	130.84	196	161	190
Unit 5	4.12	117.89	194	145	180
	16.27	430.70			740
Uran					
All Units	14.26	424.60	632	566	580
	14.26	424.60			580
Koyna					
Stage 1-2	1.83	54.46	275	35	600
Stage 4	1.93	93.80	485	0	250
Koyna 12&4 Total	3.76	148.26			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.30	40.04	236	0	320
	5.06	188.30			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.74	0	0	0
TILLARI	0.39	11.82	60	0	60
BHTGR/VEER	0.00	8.60	0	0	0
BHIRA T.R.	0.30	9.79	42	0	40
RNGR+BHTSA	0.28	3.96	15	0	16
BHANDARDRA	0.00	0.35	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.30	10	0	10
GHATGHAR	0.37	7.28	120	0	0
	1.39	43.84			126
PENCH (MS)					
Pench (MS)	0.97	20.23	54	17	
	0.97	20.23			
Wind					
MalharPeth	0.38	6.92			
Vankuswadi	0.46	15.42			
ATIT	0.41	4.12			
Kale	0.13	1.58			
Satara	0.18	7.11			
Shirala	0.20	4.93			
K Mahankal	0.09	7.56			
Supa	0.28	3.15			
Vita	0.72	28.02			
Dondaicha	4.68	86.74			
Sakri	0.77	14.24			
Nandurbar	0.56	12.05			
Khadakale	1.07	10.46			
Khaparale	0.56	10.12			
	10.47	212.40			
Dabhol					
RGPP L II	21.71	654.03	909	900	900
RGPP L III	0.00	0.00	0	0	0
	21.71	654.03			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.06	326.75	505	490	500
Trombay 6	11.73	314.14	510	400	500
Trombay 7A	2.43	67.36	121	93	120
Trombay 7B	0.26	25.54	59	0	0
Trombay 8	0.72	83.51	116	0	0
TATA Hydro	5.29	92.95	432	0	447
	32.50	910.26			1567
REL					
1&2	12.50	365.38	524	516	500
	12.50	365.38			500
Cent Sect					
Share					3499
					3499

MS PG CL	Thermal	117.94	3172.06		5090
	Thml+Gas	132.20	3596.66		5670
	Hydro	6.45	232.14		1296
	Total	138.65	3828.80		6966
State Total		216.79	5991.11		13432

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	4829	45	609	5483	902	682	3101	2352	-281	-242	9197	0	9197	1901	11098	49.52
2	4810	40	613	5463	903	477	2964	2165	-156	-112	8922	0	8922	1681	10603	49.56
3	4878	40	619	5537	902	597	2850	1876	-42	3	8968	0	8968	1595	10563	49.67
4	4858	45	627	5530	901	631	2861	1886	-52	-8	8993	0	8993	1576	10569	49.83
5	4816	40	626	5482	902	525	2864	2110	-55	-19	9053	0	9053	1567	10620	49.83
6	4887	51	622	5560	900	514	2848	2345	-64	-29	9343	148	9491	1616	11107	49.70
7	4836	55	619	5510	901	510	2619	2177	-68	-30	9122	1415	10537	1709	12246	49.60
8	4792	60	632	5484	907	518	2857	2592	-112	-75	9479	1550	11029	1873	12902	49.70
9	4754	124	610	5488	907	353	2956	2905	-193	-161	9546	1785	11331	2102	13433	49.46
10	4843	171	605	5619	908	385	3261	3208	-582	-542	9631	2243	11874	2475	14349	49.46
11	4815	336	583	5734	907	365	3452	3429	-781	-743	9745	2532	12277	2730	15007	49.16
12	4712	732	572	6016	909	220	3470	3467	-801	-768	9897	2453	12350	2829	15179	49.02
13	4800	807	573	6180	906	177	3476	3419	-808	-786	9950	2351	12301	2817	15118	49.13
14	4867	714	571	6152	908	221	3492	3204	-806	-789	9750	2433	12183	2738	14921	49.09
15	4922	657	566	6145	907	246	3547	3127	-825	-824	9641	2555	12196	2765	14961	48.85
16	4988	122	584	5694	907	331	3587	3394	-819	-818	9528	2432	11960	2781	14741	49.25
17	4999	55	582	5636	904	383	3700	3495	-876	-869	9575	2173	11748	2797	14545	49.30
18	5088	211	573	5872	903	328	3610	3504	-723	-683	9951	1923	11874	2691	14565	49.19
19	5127	737	584	6448	901	459	3395	3389	-501	-496	10741	2331	13072	2595	15667	49.12
20	5116	496	592	6204	903	462	3561	3503	-504	-496	10626	2496	13122	2646	15768	49.16
21	5179	385	582	6146	905	536	3536	3450	-490	-437	10620	2284	12904	2582	15486	48.92
22	5043	247	578	5868	907	585	3500	3290	-477	-419	10251	2226	12477	2421	14898	48.84
23	4985	194	570	5749	907	478	3434	3153	-411	-347	9957	1980	11937	2312	14249	49.08
24	4935	83	570	5588	906	484	3415	3074	-387	-323	9749	1465	11214	2214	13428	49.01
MUs	117.88	6.45	14.26	138.59	21.71	10.47	78.36	70.51	-10.81	-10.01	232.23	38.78	271.01	55.01	326.02	49.31

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 29/Sep/2009

Position as on 6.30 Hrs of 30/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
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 4	210	24/09/2009	15.40	29/09/2009	07.15	Boiler Tube Leakage	28/09/2009
Cent_Sect NTPC(V-8)	500	26/09/2009	15.44	29/09/2009	13.50	BLR T/L.	29/09/2009
Tata Trombay 8	250	27/09/2009	00.49	29/09/2009	16.37	Boiler Tube Leakage	28/09/2009
Tata Trombay 7B	60	29/09/2009	00.45	29/09/2009	19.47	GT Buchholz operated.	
Parli Unit 1	30	29/09/2009	06.13	29/09/2009	09.15	Furnace pressure low.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Sep/2009

Position as on 6.30 Hrs of 30/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-II	27/09/2009	12.33	29/09/2009	12.07	Hand Tripped for Over Voltage.
Kolhapur-Mapusa Ckt I	29/09/2009	22.35		Continued.	Hand Tripped for Over Voltage.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Mansar-Pench	29/09/2009	04.15		Continued.	H/T,For Y-Ph PT Burst at Pench end.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220kv, 315 MVA ICT-II @ Nagothane.	29/09/2009	09.53	29/09/2009	18.01	Q.M. & Testing Work.
400/220kv 315MVA ICT-II at Karad.	29/09/2009	12.30		Continued.	To Attend Oil Leakage from B Ph Unit.
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.
220 KV Main Bus - II @ 400 KV Kalwa	29/09/2009	06.39	29/09/2009	15.32	To Attend 29B Isolator of C'Chem Ckt & Maint. Work.
K'gaon-Dasturi	29/09/2009	09.15	29/09/2009	12.45	To Attend Hot Spot.
Nasik - Ghatghar	29/09/2009	11.28	29/09/2009	15.36	Hot Spot on R Ph C.T.
220/110KV 100 MVA ICT-II @ Miraj.	29/09/2009	11.53	29/09/2009	14.00	To Attend Hot Spot on Y Ph C.T.
Murud-Bale	29/09/2009	12.00	29/09/2009	15.10	Q.M.Work.
50 MVA,220/33 KV T/F - II @ Vita	29/09/2009	12.10	29/09/2009	15.20	Q.M.Work.
Bhosari-Telco	29/09/2009	12.52	29/09/2009	16.37	Maint.Work.
220/132 KV, 100 MVA ICT - II @ Beed.	29/09/2009	19.40		Continued.	Filtration 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.
Harangul - Udgir	29/09/2009	15.10	29/09/2009	18.50	R.M.Work.
Kalmeshwar - Katol	29/09/2009	16.30	29/09/2009	17.34	Y Ph P T Burst of Bus- II.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	19/09/2009	01:03		Continued.	H/T to increase load on Akola ICT.
Kalwa-C'chem	29/09/2009	05.45	29/09/2009	07.03	On TBC
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	29/09/2009	10.50	H/T to control Ambazari-Mankapur loading
Pardi-Uppalwadi	29/09/2009	19.53	29/09/2009	21.15	To Control Line Loading of Ambazari-Hingna.
Mankapur - Uppalwadi	29/09/2009	21.15	30/09/2009	05.40	To Control Line Loading of Ambazari - Hingna.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Newkoyna 1	29/09/2009	17.30	29/09/2009	22.50	Tripped on Dist.Prot.Line on TBC.
Voltage Level : 220KV			Outage Type TRIPPED		
Parbhani-Girawali	29/09/2009	00.14	29/09/2009	00.33	Trip Dist.Prot,B-Ph to earth Z-I.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Sep/2009

Position as on 6.30 Hrs of 30/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Parli Ext.-Nanded	29/09/2009	00.14		Continued.	Dist.Prot,R-Ph to earth Z-I, E/W broken.
PEDAMBE-MAHAD	29/09/2009	16.40	29/09/2009	18.39	Tripped on Dist.Prot.Y-E,Zone-I
Ambazari-Amravati	29/09/2009	16.44	29/09/2009	16.59	Dist.Prot.
Finolex - Kharepatan	29/09/2009	18.17	29/09/2009	18.48	Dist.Prot.R-E.
Pedambe - Pophali	29/09/2009	18.25	29/09/2009	Continued.	Tripped on Dist.Prot. R-E, Zone-I.
220 KV Pophali Junction Breaker	29/09/2009	18.25	29/09/2009	19.25	Bas Bar Prot.Opetd.
PEDAMBE-TAMBATI	29/09/2009	18.45	29/09/2009	19.43	Tripped on Dist.Prot.R Ph.
Mudshingi - Peth	29/09/2009	18.50		Continued.	Tripped on Dist.Prot. R-E.
Khaparkheda-Ambazari ckt - I	29/09/2009	19.12	29/09/2009	20.26	Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
132/33 KV 25 MVA T/F - I @ Bhusawal	27/09/2009	17.36		Continued.	Transformer Caught Fire.
132/33 KV 25 MVA T/F - II @ Bhusawal	27/09/2009	17.36		Continued.	Control Cable Burnt.
132 KV Interconnector - I @ Bhusawal	27/09/2009	17:36		Continued.	Jumper broken.
M.Bus-II at Kalmeshwar	28/09/2009	14.22		Continued.	Tripped,Y-Ph PT Burst.
132 KV BUS COUPLER at Kalmeshwar	28/09/2009	14.22	29/09/2009	17.25	Tripped,Y-Ph PT Burst of 132 KV BUS-II & also BUS-I became dead.
Kanhan - Mansar.	29/09/2009	03.32	29/09/2009	03.59	Tripped on Back-up Protection.
Bhandara - Madgi -I	29/09/2009	17.30	29/09/2009	18.30	Dist.Prot.
Bhandara - Ambhora - I	29/09/2009	18.10	29/09/2009	18.40	Dist.Prot.
Ambazari - Mankapur	29/09/2009	19.18	30/09/2009	02.12	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	40
Unit 3	105	20
Unit 4	105	30
Unit 5	200	125
Unit 6	210	150
Unit 7	210	140
	1040	565
Bhusawal		
Unit 1	58	25
Unit 2	210	0
Unit 3	210	200
	478	225
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	170
Unit 5	210	170
Unit 6	250	220
	940	770
Chandrapur		
Unit 1	210	165
Unit 2	210	0
Unit 3	210	180
Unit 4	210	150
Unit 5	500	350
Unit 6	500	425
Unit 7	500	410
	2340	1680
Paras		
Unit 2	55	22
Unit 3	250	165
	305	187
Khaparkheda		
Unit 1	210	190
Unit 2	210	170
Unit 3	210	190
Unit 4	210	190
	840	740
Nasik		
Unit 1	120	50
Unit 2	120	80
Unit 3	210	185
Unit 4	210	180
Unit 5	210	150
	870	645
Uran		
All Units	852	580
	852	580
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	16
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	126
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	100
Trombay 7B	60	60
Trombay 8	250	120
TATA Hydro	444	447
	2024	1727
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3678
	3143	3678