



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Nov/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Nov/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.800	3038.181	1) Madhya Pradesh	58.006	1694.368
2) Hydro	11.960	391.255	2) Gujrat	5.155	215.653
3) Gas	15.481	405.742	3) Goa	-6.327	-173.345
Total MSGENCO	142.241	3835.178	4) TAPS 1&2 (Inj.)	6.756	202.113
B) OTHERS			5) Pench (Excess)	-0.103	-1.044
1) RGPPL Gas	22.898	622.380	# Total Cent. Sector	63.487	1937.745
2) Wind Generation	2.516	124.433	F) Other Exchanges		
3) PENCH (MS)	0.103	11.552	1) With TPCL	-2.672	-143.246
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.708	833.282	1) MSEDCL Bilateral	2.507	93.020
2) TPCL Hydro	2.375	113.017	Include PX	0.000	7.152
TOTAL TPCL	30.083	946.299	2) MUMBAI Bilateral	3.796	163.439
3) REL Thermal	12.700	252.253	Include PX	0.000	21.362
D) STATE			3) MUMBAI Schedule	3.796	168.549
1) Thermal (A1+C1+C3)	155.208	4123.716	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	14.438	515.824	1) MSEDCL	228.573	6388.042
3) Gas (A3+B1)	38.379	1028.122	2) TPCL	29.531	886.972
4) Wind (B2)	2.516	124.433	3) REL	15.923	454.770
TOTAL STATE	210.541	5792.095	TOTAL STATE	274.027	7729.784

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4822	5213	4578
MSGENCO Hydro	619	1057	366
MSGENCO Gas	638	655	649
MSGENCO Total Generation	6079	6925	5593
Central Sector Receipt	2903	2934	1718
RGPPL	951	957	961
WIND	113	58	156
Exchange with TPCL	-180	-196	11
MSEDCL DEMAND MET	9866	10705	8439
Load Shedding	2527	2844	932
MSEDCL DEMAND (INCL. LS)	12393	13549	9371
TPCL GENERATION	1473	1529	916
REL GENERATION	528	527	532
TPCL+REL DEMAND	2181	2252	1437
STATE DEMAND MET	12047	12957	9876
STATE DEMAND (INCL. LS)	14574	15801	10808
Frequency (Hz)	49.63	49.85	50.23
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2716 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			42.73 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.54 Hz at 23.39 Hrs	48.86 Hz at 13.40 Hrs	49.83	.31 % of Time

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and Mumbai bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 28/Nov/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.84	50.58	82	59	70
Unit 2	0.00	20.60	0	0	0
Unit 3	1.48	32.47	80	31	70
Unit 4	1.53	36.50	82	29	70
Unit 5	3.17	80.26	141	110	150
Unit 6	3.04	89.85	150	76	140
Unit 7	3.44	93.62	163	122	160
	14.50	403.88			660
Bhusawal					
Unit 1	1.22	24.33	56	40	50
Unit 2	4.09	112.06	185	155	185
Unit 3	4.48	108.84	197	178	190
	9.80	245.23			425
Parli					
Unit 1	0.57	15.73	26	22	20
Unit 2	0.54	14.36	25	20	20
Unit 3	3.67	91.23	180	37	140
Unit 4	4.95	123.34	218	182	190
Unit 5	4.14	112.88	178	166	170
Unit 6	5.08	33.96	244	172	220
	18.94	391.49			760
Chandrapur					
Unit 1	3.60	104.76	154	144	160
Unit 2	1.24	91.13	145	0	160
Unit 3	3.74	86.08	199	140	200
Unit 4	3.78	107.07	199	139	210
Unit 5	7.72	201.30	427	281	450
Unit 6	7.44	224.16	420	205	400
Unit 7	8.03	241.08	428	301	450
	35.54	1055.58			2030
Paras					
Unit 2	0.00	0.27	0	0	0
Unit 3	5.04	134.35	218	196	210
	5.04	134.62			210
Khaparkheda					
Unit 1	3.78	103.46	185	0	180
Unit 2	4.41	93.81	206	160	190
Unit 3	4.69	35.95	212	176	210
Unit 4	4.75	130.68	216	173	210
	17.63	363.89			790
Nasik					
Unit 1	2.22	54.16	98	81	90
Unit 2	2.15	52.60	102	76	90
Unit 3	4.66	125.66	202	172	190
Unit 4	4.33	113.62	195	77	190
Unit 5	0.00	97.43	0	0	0
	13.35	443.48			560
Uran					
All Units	15.48	405.74	667	600	635
	15.48	405.74			635
Koyna					
Stage 1-2	2.39	57.08	280	40	600
Stage 4	5.77	210.35	630	0	250
Koyna 12&4 Total	8.16	267.42			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.14	56.67	212	0	320
	10.30	324.09			1170
Hydro					
KDPH	0.00	3.62	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.36	12.14	59	0	60
BHTGR/VEER	0.65	21.57	27	27	27
BHIRA T.R.	0.23	6.75	82	0	80
RNGR+BHTSA	0.36	8.86	15	15	15
BHANDARDRA	0.00	5.68	0	0	20
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.48	10	0	10
GHATGHAR	0.00	7.05	0	0	0
	1.66	67.16			212
PENCH (MS)					
Pench (MS)	0.10	11.55	33	0	
	0.10	11.55			
Wind					
MalharPeth	0.16	8.55			
Vankuswadi	0.34	19.52			
ATIT	0.09	4.69			
Kale	0.12	7.65			
Satara	0.09	7.65			
Shirala	0.14	6.61			
K Mahankal	0.03	5.31			
Supa	0.11	2.19			
Vita	0.42	22.78			
Dondaicha	0.57	18.87			
Sakri	0.08	2.72			
Nandurbar	0.09	1.85			
Khadakale	0.14	8.87			
Khaparale	0.14	7.18			
	2.52	124.43			
Dabhol					
RGPP L II	22.90	622.38	961	935	900
RGPP L III	0.00	0.00	0	0	
	22.90	622.38			900
Tata					
Trombay 4	2.78	25.59	123	99	50
Trombay 5	10.80	277.46	450	450	500
Trombay 6	9.70	267.90	490	190	500
Trombay 7A	2.82	78.17	123	112	100
Trombay 7B	1.60	44.37	69	64	100
Trombay 8	0.00	139.79	0	0	0
TATA Hydro	2.38	113.02	300	0	447
	30.08	946.30			1697
REL					
1&2	12.70	252.25	532	527	500
	12.70	252.25			500
Cent Sect					
Share					3071
					3071

MS PG CL	Thermal	114.80	3038.18		5435
	Thml+Gas	130.28	3443.92		6070
	Hydro	11.96	391.26		1382
	Total	142.24	3835.18		7452
State Total		210.54	5792.10		13620

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Nov/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	4470	466	643	5579	957	112	2566	1982	-38	-5	8625	690	9315	1688	11003	49.89
2	4494	365	646	5505	959	124	2566	1986	-38	-4	8570	702	9272	1561	10833	50.13
3	4520	375	648	5543	959	135	2566	2011	-38	-14	8634	737	9371	1461	10832	50.20
4	4578	366	649	5593	961	156	2566	1718	-38	11	8439	932	9371	1437	10808	50.23
5	4621	371	648	5640	959	161	2553	2023	-38	14	8797	942	9739	1432	11171	50.05
6	4710	387	648	5745	959	152	2551	2467	-38	-4	9319	1013	10332	1519	11851	49.91
7	4846	505	648	5999	959	172	2551	2677	-38	-2	9805	1446	11251	1607	12858	49.91
8	4975	376	648	5999	958	158	2748	2736	-38	-3	9848	1948	11796	1661	13457	49.64
9	4929	210	644	5783	957	131	2715	2768	-42	-7	9632	2354	11986	1812	13798	49.62
10	4884	281	640	5805	955	136	2899	2506	-222	-184	9218	2820	12038	2024	14062	49.56
11	4861	634	634	6129	952	132	2987	2583	-222	-182	9614	2509	12123	2151	14274	49.60
12	4822	619	638	6079	951	113	2878	2903	-222	-180	9866	2527	12393	2181	14574	49.63
13	4782	592	634	6008	948	82	2866	2919	-222	-169	9815	2418	12233	2141	14374	49.69
14	4767	742	625	6134	946	74	2890	2889	-222	-167	9885	2367	12252	2071	14323	49.76
15	4764	677	600	6041	935	55	2890	2749	-222	-164	9616	2538	12154	2068	14222	49.53
16	4802	687	630	6119	943	60	2890	2741	-222	-164	9699	2573	12272	2050	14322	49.65
17	4757	656	639	6052	945	62	2890	2827	-222	-167	9719	2506	12225	2029	14254	49.65
18	4870	571	646	6087	947	74	2790	2920	-242	-190	9871	2597	12468	2047	14515	49.55
19	5213	1057	655	6925	957	58	2999	2934	-242	-196	10705	2844	13549	2252	15801	49.85
20	5248	920	660	6828	957	66	2858	2957	-242	-193	10622	2849	13471	2242	15713	49.89
21	5073	624	661	6358	957	80	2874	3146	-242	-180	10361	2568	12929	2174	15103	49.87
22	4862	200	667	5729	958	78	2871	3052	-242	-182	9635	2537	12172	2052	14224	50.13
23	4539	97	666	5302	959	73	2728	3131	-242	-180	9285	2139	11424	1944	13368	49.90
24	4413	182	664	5259	960	72	2701	2862	-222	-160	8993	1616	10609	1851	12460	50.16
MUs	114.80	11.96	15.48	142.24	22.90	2.52	66.39	63.49	-3.80	-2.67	228.57	48.17	276.74	45.46	322.20	49.83

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 28/Nov/2009

Position as on 6.30 Hrs of 29/Nov/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
Tata Trombay 8	250	25/11/2009	00:35		Continued.	Performance Guarantee Test	10/12/2009
Nasik Unit 5	210	25/11/2009	01:50		Continued.	AOH	17/12/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	30/11/2009
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	31/03/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	07/01/2010
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Paras Unit 2	55	25/11/2009	19.11	29/11/2009	17.45	Oil line leakages.	
Parli Unit 3	210	26/11/2009	03.42	28/11/2009	00.03	Boiler Tube Leakage.	
Chandrapur Unit 2	210	28/11/2009	08:53	29/11/2009	11.45	ESP work & ID fan problem.	
Khaparkheda Unit 1	210	28/11/2009	21:29		Continued.	Water valve tube leakage.	01/12/2009
Nasik Unit 4	210	28/11/2009	23:25	29/11/2009	06.28	LT Supply board tripped.	
Parli Unit 2	30	29/11/2009	00:34		Continued.	Boiler tube leakage.	04/12/2009
Tata Trombay 4	150	29/11/2009	00:46	29/11/2009	02:27	Low vaccume.	
Koradi Unit 5	200	29/11/2009	02:29	29/11/2009	22.10	HP Heater tube line leakage.	
Nasik Unit 4	210	29/11/2009	08.00	29/11/2009	18.50	R-4 A Board Trip	
Parli Unit 3	210	29/11/2009	11.18	29/11/2009	20.30	Bus Fault(A.C.Failure)	
Parli Unit 5	210	29/11/2009	11.18	29/11/2009	22.05	Bus Fault (A.C.Failure)	
Parli Unit 4	210	29/11/2009	11.18	29/11/2009	19.21	Bus Fault (A.C.Failure)	
Parli Unit 1	30	29/11/2009	11.31	29/11/2009	15.09	Flame Failure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Nov/2009

Position as on 6.30 Hrs of 29/Nov/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad - I	29/11/2009	16.40	29/11/2009	16.40	First Time charging at Aurangabad end
Voltage Level : 400KV			Outage Type HAND TRIPPED		
WARDHA-AKOLA-II	24/10/2009	16.46		Continued.	H/T due to over voltage
Dhule-Sar'Sarovar II	09/11/2009	10:48		Continued.	H/T for O/V.
Kolhapur-Mapusa Ckt I	27/11/2009	23.24	28/11/2009	10:50	H/T for over voltage
Akola - Aurangabad - I	29/11/2009	17.30		Continued.	Hand Tripped
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona-Phonda	26/11/2009	13.00		Continued.	Charged from Tillary end up to Amona
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur-parli - III	26/11/2009	06.44		Continued.	Dieversion work of 400 KV C'pur-Parli D/C line for WCL.
400 KV TBC at N'Thane.	28/11/2009	10:05	28/11/2009	13:15	Attending hot spot.
Dabhol - Nagothane - I	29/11/2009	08.11	29/11/2009	13.45	Maintenance work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/132 KV 150 MVA ICT @ Amravati	22/11/2009	09:26		Continued.	Augmentation of 150 MVA ICT by 200 MVA ICT and other Works.
220/132 KV 150 MVA ICT-I at Dhule	23/11/2009	11:30		Continued.	Main C.B. Replacement work, ICT H V side on TBC.
KDPH-Wankuswadi	23/11/2009	15:00		Continued.	Taken on TBC for Breaker replacement.
220/100KV,125MVA ICT-III at Borivali	27/11/2009	10.02		Continued.	Pannel Shifting
Dondaicha - Suzlon - I	28/11/2009	14.00	28/11/2009	17.00	C.T.Testing Work.
Dondaicha - Suzlon - II	28/11/2009	17.02	28/11/2009	19.02	C.T.Testing Work.
Trombay - Tata Tie - II	29/11/2009	08.44	29/11/2009	16.52	Bus outage at Trombay
Boisor - Dahanu	29/11/2009	09.57	29/11/2009	17.36	Bay Maintenance work
Dondaicha - Shahada	29/11/2009	10.40	29/11/2009	12.40	Measurement of Tan Delta
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Malkapur - Bhusawal	29/11/2009	09.55	29/11/2009	12.05	Diversion of Deepnagar-Malkapur line
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132KV 100MVA IBT at Parli.	22/11/2009	22:17		Continued.	Compressor Problem.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
C'pur-Parli II	04/11/2009	18.20		Continued.	Land Sliding at Loc.No 78 at Borgaon,Tal-Wani.
Parli-Lonikand - II	26/11/2009	10.39		Continued.	Charged from Parli end.
Karad-Kolhapur-II	28/11/2009	23:50	29/11/2009	10.35	H/T for O/V.
Karad-Kolhapur CKT I	29/11/2009	12.02		Continued.	H/T for Over Voltage
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	06/11/2009	11:35		Continued.	To Control Chikhali line loading.
Girwali - Gangakhed	29/11/2009	11.20	29/11/2009	13.13	To control line loading
Girwali - Kej	29/11/2009	11.23	29/11/2009	13.24	To control line loading

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Nov/2009

Position as on 6.30 Hrs of 29/Nov/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati-IV	23/11/2009	15:49		Continued.	Bus bar Protection Operated.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132KV 200MVA ICT-II at Jalna S/Stn.	23/11/2009	19:38	28/11/2009	11.40	Tripped on Diff. Prot., OLTC Buchhlz.
Padgha-Boiser	27/11/2009	16.11	28/11/2009	12:12	Distance protection
Dhule - Malegaon	29/11/2009	05:16	29/11/2009	06:00	Tripped on distance Protection.
Bus Coupler at Parly-I	29/11/2009	11.18		Continued.	Bus Bar protection operated, B phase CT Burst
220KV Main Bus - I at Parly-I	29/11/2009	11.18	29/11/2009	12.45	Bus Bar protection operated
220KV Main Bus - II at Parly-I	29/11/2009	11.18		Continued.	Bus Bar protection operated
Girawli-Parli-III	29/11/2009	11.18		Continued.	Bus Bar protection operated
Girwali - Parly - IV	29/11/2009	11.18	29/11/2009	12.45	Bus Bar protection operated
Parly - New Parly TPS - I	29/11/2009	11.18	29/11/2009	12.58	Bus Bar protection operated
Parly - Harangul - II.	29/11/2009	11.18		Continued.	Bus Bar protection operated
Parly - Harangool - I	29/11/2009	11.18	29/11/2009	13.25	Bus Bar protection operated
Parly - New Parly TPS - II	29/11/2009	11.18		Continued.	Bus Bar protection operated
Parli-Osmanabad	29/11/2009	11.18		Continued.	Bus Bar protection operated
Girwali - Parly - II	29/11/2009	11.18	29/11/2009	15.24	Bus Bar protection operated
Voltage Level : 132KV			Outage Type TRIPPED		
Malkapur - Bhusawal	28/11/2009	16.04	28/11/2009	17.05	Back up Over Current.
132/11 KV 10 MVA T/F @ Warangaon	28/11/2009	16.04	28/11/2009	16.55	Tripped.
132/11 KV 12.5 MVA T/F @ Warangaon	28/11/2009	16.04	29/11/2009	03.00	Fire on L V Side Cable.
Deepnagar - Malkapur	28/11/2009	16:04	28/11/2009	17:05	Fire on LV side cable.
132/11 KV 12.5 MVA T/F @ Warangaon	29/11/2009	12.35	29/11/2009	14.48	Differential Trip

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Nov/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	0
Unit 3	105	70
Unit 4	105	70
Unit 5	200	0
Unit 6	210	140
Unit 7	210	130
	1040	480
Bhusawal		
Unit 1	58	50
Unit 2	210	180
Unit 3	210	190
	478	420
Parli		
Unit 1	30	20
Unit 2	30	0
Unit 3	210	180
Unit 4	210	205
Unit 5	210	170
Unit 6	250	230
	940	805
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	1930
Paras		
Unit 2	55	20
Unit 3	250	200
	305	220
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	190
Unit 4	210	190
	840	570
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	185
Unit 4	210	0
Unit 5	210	0
	870	365
Uran		
All Units	852	630
	852	630
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	27
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	192
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	100
Trombay 5	500	450
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1677
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2832
	3143	2832