



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Nov/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	100.592	3138.773	1) Madhya Pradesh	60.320	1754.688
2) Hydro	18.792	410.047	2) Gujrat	2.521	218.174
3) Gas	15.753	421.495	3) Goa	-5.466	-178.811
Total MSGENCO	135.137	3970.315	4) TAPS 1&2 (Inj.)	7.229	209.342
B) OTHERS			5) Pench (Excess)	-0.120	-1.164
1) RGPPL Gas	21.990	644.370	# Total Cent. Sector	64.484	2002.229
2) Wind Generation	1.724	126.157	F) Other Exchanges		
3) PENCH (MS)	0.120	11.672	1) With TPCL	-1.987	-145.233
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	25.294	858.576	1) MSEDCL Bilateral	2.507	95.526
2) TPCL Hydro	0.119	113.136	Include PX	0.000	7.152
TOTAL TPCL	25.413	971.712	2) MUMBAI Bilateral	3.244	166.684
3) REL Thermal	12.689	264.942	Include PX	0.000	21.362
D) STATE			3) MUMBAI Schedule	3.244	171.794
1) Thermal (A1+C1+C3)	138.575	4262.291	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	19.031	534.855	1) MSEDCL	221.468	6609.510
3) Gas (A3+B1)	37.743	1065.865	2) TPCL	25.869	912.841
4) Wind (B2)	1.724	126.157	3) REL	14.218	468.988
TOTAL STATE	197.073	5989.168	TOTAL STATE	261.555	7991.339

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4538	4015	4092
MSGENCO Hydro	912	1756	84
MSGENCO Gas	652	620	682
MSGENCO Total Generation	6102	6391	4858
Central Sector Receipt	2793	2863	2545
RGPPL	917	917	913
WIND	83	63	83
Exchange with TPCL	-142	-158	23
MSEDCL DEMAND MET	9779	10103	8422
Load Shedding	2468	2767	749
MSEDCL DEMAND (INCL. LS)	12247	12870	9171
TPCL GENERATION	1050	1249	968
REL GENERATION	528	526	530
TPCL+REL DEMAND	1720	1933	1475
STATE DEMAND MET	11499	12036	9897
STATE DEMAND (INCL. LS)	13967	14803	10646
Frequency (Hz)	49.58	50.04	50.06
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3177 MW AT 18.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			53.65 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.42 Hz at 23.51 Hrs	48.98 Hz at 09.34 Hrs	49.95	.15 % 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 29/Nov/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.60	52.18	83	46	70
Unit 2	0.00	20.60	0	0	0
Unit 3	1.52	33.99	78	29	70
Unit 4	1.49	37.99	83	33	70
Unit 5	0.36	80.63	103	0	0
Unit 6	3.25	93.09	157	90	140
Unit 7	3.48	97.10	177	118	130
	11.70	415.58			480
Bhusawal					
Unit 1	1.30	25.62	56	51	50
Unit 2	4.22	116.28	188	154	180
Unit 3	4.41	113.26	192	168	190
	9.92	255.16			420
Parli					
Unit 1	0.46	16.19	25	0	20
Unit 2	0.01	14.37	6	0	0
Unit 3	2.49	93.72	180	0	180
Unit 4	3.21	126.55	209	0	205
Unit 5	2.19	115.07	175	0	170
Unit 6	4.31	38.26	242	97	230
	12.67	404.16			805
Chandrapur					
Unit 1	3.67	108.44	159	147	160
Unit 2	1.07	92.20	146	0	0
Unit 3	4.10	90.17	202	142	210
Unit 4	3.58	110.65	177	121	210
Unit 5	8.32	209.61	396	304	450
Unit 6	8.50	232.67	410	313	450
Unit 7	8.48	249.56	399	318	450
	37.72	1093.30			1930
Paras					
Unit 2	0.13	0.40	25	0	20
Unit 3	5.18	139.54	226	194	200
	5.31	139.93			220
Khaparkheda					
Unit 1	0.00	103.46	0	0	0
Unit 2	4.49	98.29	193	179	190
Unit 3	4.50	40.44	208	177	190
Unit 4	4.68	135.37	216	182	190
	13.67	377.56			570
Nasik					
Unit 1	2.21	56.37	97	85	90
Unit 2	2.19	54.79	98	83	90
Unit 3	4.75	130.41	204	190	185
Unit 4	0.46	114.08	76	0	0
Unit 5	0.00	97.43	0	0	0
	9.61	453.09			365
Uran					
All Units	15.75	421.50	688	618	630
	15.75	421.50			630
Koyna					
Stage 1-2	2.90	59.98	305	40	600
Stage 4	11.11	221.46	1100	0	250
Koyna 12&4 Total	14.01	281.43			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.84	59.52	320	0	320
	16.85	340.95			1170
Hydro					
KDPH	0.00	3.62	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.36	12.50	59	0	60
BHTGR/VEER	0.65	22.22	27	27	27
BHIRA T.R.	0.15	6.90	67	0	80
RNGR+BHTSA	0.31	9.17	15	12	15
BHANDARDRA	0.00	5.68	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.54	10	0	10
GHATGHAR	0.42	7.47	125	0	0
	1.94	69.10			192
PENCH (MS)					
Pench (MS)	0.12	11.67	27	0	
	0.12	11.67			
Wind					
MalharPeth	0.10	8.64			
Vankuswadi	0.33	19.85			
ATIT	0.06	4.76			
Kale	0.09	7.73			
Satara	0.13	7.78			
Shirala	0.10	6.71			
K Mahankal	0.01	5.32			
Supa	0.03	2.22			
Vita	0.32	23.10			
Dondaicha	0.29	19.16			
Sakri	0.03	2.75			
Nandurbar	0.04	1.89			
Khadakale	0.09	8.96			
Khaparale	0.10	7.28			
	1.72	126.16			
Dabhol					
RGPP L II	21.99	644.37	919	913	900
RGPP L III	0.00	0.00	0	0	
	21.99	644.37			900
Tata					
Trombay 4	2.02	27.61	115	0	100
Trombay 5	10.82	288.28	455	450	450
Trombay 6	7.87	275.78	490	240	500
Trombay 7A	2.94	81.12	126	119	120
Trombay 7B	1.64	46.01	69	68	60
Trombay 8	0.00	139.79	0	0	0
TATA Hydro	0.12	113.14	66	0	447
	25.41	971.71			1677
REL					
1&2	12.69	264.94	532	526	500
	12.69	264.94			500
Cent Sect					
Share					2832
					2832

MS PG CL	Thermal	100.59	3138.77		4790
	Thml+Gas	116.34	3560.27		5420
	Hydro	18.79	410.05		1362
	Total	135.14	3970.32		6782
State Total		197.07	5989.17		12691

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	4197	94	676	4967	915	79	2249	2696	-34	16	8673	729	9402	1661	11063	49.98
2	4156	114	681	4951	914	72	2211	2643	-34	21	8601	741	9342	1542	10884	50.18
3	4092	84	682	4858	913	83	2176	2545	-34	23	8422	749	9171	1475	10646	50.06
4	4126	79	681	4886	914	85	2140	2533	-34	26	8444	952	9396	1431	10827	50.05
5	4170	99	681	4950	914	83	2144	2733	-34	25	8705	1203	9908	1405	11313	50.03
6	4257	338	682	5277	915	68	2393	2794	-34	23	9077	1432	10509	1447	11956	49.87
7	4272	398	685	5355	915	61	2417	2864	-34	20	9215	2028	11243	1488	12731	49.87
8	4419	313	688	5420	916	71	2613	2883	-34	16	9306	2297	11603	1514	13117	49.88
9	4450	112	682	5244	915	73	2576	2856	-34	12	9100	2653	11753	1557	13310	49.58
10	4518	304	668	5490	918	73	2715	2715	-187	-139	9084	2839	11923	1691	13614	49.54
11	4538	912	652	6102	917	83	2692	2793	-187	-142	9779	2468	12247	1720	13967	49.58
12	4084	1086	647	5817	917	88	2692	2605	-187	-139	9301	2645	11946	1737	13683	49.70
13	3956	1143	645	5744	916	61	2718	2521	-188	-137	9105	2598	11703	1735	13438	49.81
14	3964	1463	648	6075	919	54	2758	2405	-188	-135	9318	2393	11711	1682	13393	50.04
15	3906	1586	648	6140	917	49	2758	2345	-188	-138	9313	2237	11550	1665	13215	50.07
16	3828	1298	650	5776	917	51	2758	2602	-188	-134	9212	2421	11633	1663	13296	50.09
17	3788	1347	640	5775	917	50	2757	2840	-188	-138	9444	2511	11955	1669	13624	50.11
18	3858	1363	618	5839	916	54	2687	2985	-208	-157	9664	2432	12096	1696	13792	49.85
19	4015	1756	620	6391	917	63	2939	2863	-208	-158	10103	2767	12870	1933	14803	50.04
20	4218	1674	622	6514	917	73	2820	2802	-208	-155	10151	2689	12840	1960	14800	50.06
21	4360	1483	625	6468	917	75	2810	2659	-208	-156	9963	2449	12412	1952	14364	49.96
22	4468	1068	640	6176	919	82	2781	2576	-208	-153	9600	2211	11811	1923	13734	50.11
23	4475	488	646	5609	918	92	2783	2653	-208	-153	9119	1433	10552	1818	12370	50.12
24	4477	190	646	5313	917	101	2610	2573	-188	-135	8769	1172	9941	1725	11666	50.17
MUs	100.59	18.79	15.75	135.14	21.99	1.72	62.20	64.48	-3.24	-1.99	221.47	48.05	269.52	40.09	309.61	49.95

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/Nov/2009

Position as on 6.30 Hrs of 30/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.	
Koradi Unit 2	105	27/11/2009	00.23	30/11/2009	03.21	ID Fan problem.	
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 29/Nov/2009

Position as on 6.30 Hrs of 30/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.
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.
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
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 : 220KV			Outage Type HAND TRIPPED		
Wardha--Dhamangaon	30/11/2009	03.23		Continued.	To load Akola ICT
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
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati-	23/11/2009	15:49		Continued.	Bus bar Protection Operated.

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

Position as on 6.30 Hrs of 30/Nov/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
IV					
Voltage Level : 220KV			Outage Type TRIPPED		
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 - II at Parly-I	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
Girwali - Parly - IV	29/11/2009	11.18	29/11/2009	12.45	Bus Bar protection operated
Parly - New Parly TPS - II	29/11/2009	11.18		Continued.	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 - I	29/11/2009	11.18	29/11/2009	12.58	Bus Bar protection operated
Parli-Osmanabad	29/11/2009	11.18		Continued.	Bus Bar protection operated
Girawli-Parli-III	29/11/2009	11.18		Continued.	Bus Bar protection operated
220KV Main Bus - I at Parly-I	29/11/2009	11.18	29/11/2009	12.45	Bus Bar protection operated
Voltage Level : 132KV			Outage Type 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.
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 30/Nov/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	50
Unit 2	105	50
Unit 3	105	70
Unit 4	105	70
Unit 5	200	150
Unit 6	210	150
Unit 7	210	150
	1040	690
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	175
Unit 4	210	205
Unit 5	210	180
Unit 6	250	115
	940	695
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	210
Unit 4	210	180
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2050
Paras		
Unit 2	55	25
Unit 3	250	190
	305	215
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	610
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	190
Unit 4	210	80
Unit 5	210	0
	870	450
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	26
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	191
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	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1727
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2978
	3143	2978