



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Nov/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Nov/2009 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.906	2351.431	1) Madhya Pradesh	61.732	1332.185
2) Hydro	9.312	302.065	2) Gujrat	-6.152	218.027
3) Gas	14.046	313.068	3) Goa	-5.688	-135.153
Total MSGENCO	135.264	2966.564	4) TAPS 1&2 (Inj.)	7.319	159.880
B) OTHERS			5) Pench (Excess)	0.000	0.028
1) RGPPL Gas	23.037	487.222	# Total Cent. Sector	57.211	1574.967
2) Wind Generation	3.035	112.439	F) Other Exchanges		
3) PENCH (MS)	0.000	10.480	1) With TPCL	-1.357	-121.914
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	25.743	664.312	1) MSEDCL Bilateral	3.720	75.556
2) TPCL Hydro	0.021	86.077	Include PX	0.000	7.152
TOTAL TPCL	25.764	750.389	2) MUMBAI Bilateral	2.598	136.913
3) REL Thermal	12.733	176.177	Include PX	0.000	19.496
D) STATE			3) MUMBAI Schedule	2.598	142.023
1) Thermal (A1+C1+C3)	150.382	3191.920	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	9.333	398.622	1) MSEDCL	217.190	5029.758
3) Gas (A3+B1)	37.083	800.290	2) TPCL	25.475	694.636
4) Wind (B2)	3.035	112.439	3) REL	14.378	353.790
TOTAL STATE	199.833	4503.271	TOTAL STATE	257.043	6078.184

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	4602	5003	4261
MSGENCO Hydro	879	531	116
MSGENCO Gas	610	615	528
MSGENCO Total Generation	6091	6149	4905
Central Sector Receipt	2174	3065	2147
RGPPL	956	957	961
WIND	80	138	169
Exchange with TPCL	-87	-178	25
MSEDCL DEMAND MET	9214	10131	8207
Load Shedding	1302	2096	398
MSEDCL DEMAND (INCL. LS)	10516	12227	8605
TPCL GENERATION	1176	1301	838
REL GENERATION	530	529	533
TPCL+REL DEMAND	1793	2008	1346
STATE DEMAND MET	11007	12139	9553
STATE DEMAND (INCL. LS)	12309	14235	9951
Frequency (Hz)	49.80	50.04	50.24
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2078 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			19.88 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.56 Hz at 14.09 Hrs	49.29 Hz at 11.09 Hrs	50.01	0 % 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 22/Nov/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.89	39.93	88	66	70
Unit 2	1.70	14.43	76	58	70
Unit 3	0.00	24.88	0	0	0
Unit 4	0.13	31.18	71	0	0
Unit 5	3.41	61.51	150	135	150
Unit 6	3.65	71.20	159	139	150
Unit 7	3.78	74.48	184	140	160
	14.57	317.60			600
Bhusawal					
Unit 1	1.12	17.16	57	37	50
Unit 2	4.16	87.02	187	158	160
Unit 3	4.40	82.36	194	162	190
	9.68	186.55			400
Parli					
Unit 1	0.52	12.30	24	20	20
Unit 2	0.53	10.97	24	20	20
Unit 3	3.89	74.96	175	135	170
Unit 4	4.74	97.17	212	164	185
Unit 5	4.19	88.24	180	165	170
Unit 6	2.44	2.57	205	0	100
	16.31	286.21			665
Chandrapur					
Unit 1	3.77	82.91	163	150	160
Unit 2	3.46	72.28	155	138	160
Unit 3	2.79	64.24	145	78	200
Unit 4	3.49	84.25	154	137	210
Unit 5	7.02	152.15	319	280	450
Unit 6	7.00	193.89	321	270	450
Unit 7	7.17	192.51	321	270	425
	34.71	842.23			2055
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.74	107.04	212	184	210
	4.74	107.04			210
Khaparkheda					
Unit 1	4.30	78.06	188	164	185
Unit 2	2.40	67.09	189	0	0
Unit 3	3.04	8.24	188	0	160
Unit 4	4.83	101.53	212	167	210
	14.57	254.92			555
Nasik					
Unit 1	2.21	41.46	97	82	90
Unit 2	2.19	39.61	100	82	90
Unit 3	4.58	98.83	202	162	180
Unit 4	4.37	87.49	191	167	180
Unit 5	3.98	89.48	172	161	160
	17.33	356.87			700
Uran					
All Units	14.05	313.07	624	478	630
	14.05	313.07			630
Koyna					
Stage 1-2	1.99	42.76	280	35	600
Stage 4	3.69	161.12	516	0	250
Koyna 12&4 Total	5.68	203.88			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.23	42.76	160	0	320
	6.91	246.64			1170
Hydro					
KDPH	0.00	3.62	0	0	0
VTRNA		0.00	0	0	0
TILLARI	0.37	9.81	60	0	60
BHTGR/VEER	0.82	17.51	34	34	34
BHIRA T.R.	0.08	5.44	22	0	80
RNGR+BHTSA	0.31	6.92	15	0	15
BHANDARDRA	0.77	5.63	32	32	32
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.19	10	0	10
GHATGHAR	0.00	5.31	0	0	0
	2.40	55.43			231
PENCH (MS)					
Pench (MS)	0.00	10.48	0	0	0
	0.00	10.48			0
Wind					
MalharPeth	0.13	8.01			
Vankuswadi	0.28	17.76			
ATIT	0.04	4.43			
Kale	0.06	7.25			
Satara	0.06	7.17			
Shirala	0.08	6.16			
K Mahankal	0.04	5.05			
Supa	0.04	2.00			
Vita	0.49	20.42			
Dondaicha	1.14	15.72			
Sakri	0.23	2.24			
Nandurbar	0.10	1.42			
Khadakale	0.18	8.18			
Khaparale	0.20	6.63			
	3.04	112.44			
Dabhol					
RGPP L II	23.04	487.22	964	956	900
RGPP L III	0.00	0.00	0	0	0
	23.04	487.22			900
Tata					
Trombay 4	0.00	15.37	0	0	0
Trombay 5	10.07	214.11	450	270	500
Trombay 6	6.10	210.63	450	150	500
Trombay 7A	2.16	61.40	110	87	120
Trombay 7B	1.40	34.79	63	57	60
Trombay 8	6.01	128.01	252	242	250
TATA Hydro	0.02	86.08	12	0	447
	25.76	750.39			1877
REL					
1&2	12.73	176.18	533	528	500
	12.73	176.18			500
Cent Sect					
Share					2701
					2701

MS PG CL	Thermal	111.91	2351.43		5185
	Thml+Gas	125.95	2664.50		5815
	Hydro	9.31	302.06		1401
	Total	135.26	2966.56		7216
State Total		199.83	4503.27		13194

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	4343	155	523	5021	964	129	2379	2078	-33	17	8209	586	8795	1567	10362	50.05
2	4272	106	494	4872	963	147	2379	2175	-33	19	8176	440	8616	1494	10110	50.09
3	4240	121	478	4839	963	153	2381	2233	-33	22	8210	365	8575	1425	10000	50.09
4	4261	116	528	4905	961	169	2383	2147	-33	25	8207	398	8605	1346	9951	50.24
5	4347	121	543	5011	962	179	2381	2213	-33	24	8389	713	9102	1326	10428	50.00
6	4420	121	565	5106	962	187	2380	2468	-33	20	8743	1118	9861	1370	11231	49.88
7	4489	121	565	5175	962	205	2365	2292	-33	18	8652	1510	10162	1432	11594	49.92
8	4511	156	608	5275	962	164	2561	2472	50	100	8973	1398	10371	1440	11811	49.92
9	4544	314	608	5466	961	197	2561	2474	50	98	9196	1315	10511	1521	12032	49.84
10	4483	567	605	5655	961	123	2749	2486	-129	-84	9141	1468	10609	1691	12300	49.81
11	4569	1040	598	6207	961	99	2667	2009	-129	-84	9192	1261	10453	1762	12215	49.89
12	4602	879	610	6091	956	80	2666	2174	-129	-87	9214	1302	10516	1793	12309	49.80
13	4729	717	608	6054	960	54	2714	1952	-129	-82	8938	1281	10219	1782	12001	49.99
14	4863	554	605	6022	958	37	2716	2062	-129	-75	9004	1119	10123	1751	11874	50.15
15	4868	476	604	5948	957	35	2717	2253	-129	-76	9117	1194	10311	1722	12033	50.27
16	4863	357	602	5822	957	45	2717	2348	-129	-77	9095	1173	10268	1683	11951	50.00
17	4952	414	592	5958	958	51	2717	2495	-129	-76	9386	1175	10561	1654	12215	49.97
18	4963	357	610	5930	957	78	2736	2891	-149	-95	9761	1031	10792	1682	12474	49.87
19	5007	588	614	6209	957	119	2706	2950	-149	-95	10140	1952	12092	1910	14002	49.96
20	5003	531	615	6149	957	138	2543	3065	-232	-178	10131	2096	12227	2008	14235	50.04
21	4984	606	614	6204	959	131	2543	2812	-232	-178	9928	1610	11538	1953	13491	49.97
22	4954	478	616	6048	959	140	2572	2614	-232	-179	9582	1355	10937	1936	12873	50.17
23	4926	277	617	5820	959	156	2586	2317	-232	-178	9074	1293	10367	1864	12231	50.07
24	4713	140	624	5477	961	219	2567	2231	-212	-156	8732	1049	9781	1742	11523	50.30
MUs	111.91	9.31	14.05	135.26	23.04	3.04	61.69	57.21	-2.60	-1.36	217.19	28.20	245.39	39.85	285.25	50.01

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 22/Nov/2009

Position as on 6.30 Hrs of 23/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
Paras Unit 2	55	11/10/2009	13:29		Continued.	AOH.	25/11/2009
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	
Khaparkheda Unit 2	210	18/11/2009	21.37	22/11/2009	08:08	Boiler Tube Leakage.	22/11/2009
Tata Trombay 4	150	18/11/2009	22.42		Continued.	W/Dn.	
Cent_Sect TARAPUR-4	540	20/11/2009	13.54		Continued.	Generator protection	25/11/2009
Khaparkheda Unit 3	210	20/11/2009	20.52	22/11/2009	04:17	Main Steam line Burst	22/11/2009
Koradi Unit 3	105	20/11/2009	22.20		Continued.	ESP PROBLEM	23/11/2009
Parli Unit 6	250	22/11/2009	01.58	22/11/2009	05.16	Drum Level Low	
Koradi Unit 4	115	22/11/2009	02.16		Continued.	Boiler Tube Leakage	25/11/2009
Parli Unit 6	250	22/11/2009	06.24	22/11/2009	09:57	Drum level low	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Nov/2009

Position as on 6.30 Hrs of 23/Nov/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		
TILLARY-PHONDA	12/11/2009	09.50		Continued.	PLCC work at Amona Stn.(4 days)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
WARDHA-AKOLA-II	24/10/2009	16.46		Continued.	H/T due to over voltage
Chandrapur-Bhadravti - I	05/11/2009	10.07		Continued.	H/T To control C'pur-Parli line loading.
Dhule-Sar'Sarovar II	09/11/2009	10:48		Continued.	H/T for O/V.
Wardha - Akola - I	11/11/2009	02.40		Continued.	H/T for O/V.
Seoni - Wardha	11/11/2009	02.41		Continued.	H/T for O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132KV,200 MVA ICT-II at Bhusawal	26/10/2009	09.32		Continued.	Over hauling work.
400/220 KV 315 MVA ICT at Akola	19/11/2009	08.13	22/11/2009	01.36	Replacement of Air cell.
Chandrapur-Parli -I	21/11/2009	09.04		Continued.	Diversion 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.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhandara-Tekepar	29/10/2009	09.13		Continued.	Breaker Replacement.
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Padgha - Nagothane - I	21/11/2009	21.10		Continued.	Oil leakage in Own CB, line taken on TBC
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	16/11/2009	09:02		Continued.	H/T for controlling line loading of Chandrapur-Parali Lines
Karad-Kolhapur CKT I	21/11/2009	23.42		Continued.	H/T FOR O/V
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	22/11/2009	01.43		Continued.	To increase Akola ICT loading
Wardha--Dhamangaon	22/11/2009	03.00		Continued.	To increase Akola ICT loading
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	06/11/2009	11:35		Continued.	To Control Chikhali line loading.
Voltage Level : 220KV			Outage Type TRIPPED		
Bableshtar - Ahmednagar ckt. I	22/11/2009	04.21	22/11/2009	04.49	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Nov/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	50
Unit 3	105	0
Unit 4	105	0
Unit 5	200	150
Unit 6	210	140
Unit 7	210	150
	1040	570
Bhusawal		
Unit 1	58	50
Unit 2	210	185
Unit 3	210	190
	478	425
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	175
Unit 4	210	150
Unit 5	210	170
Unit 6	250	200
	940	735
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2090
Paras		
Unit 2	55	0
Unit 3	250	220
	305	220
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	210
	840	750
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	180
Unit 4	210	180
Unit 5	210	160
	870	700
Uran		
All Units	852	600
	852	600
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	34
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	32
ELDARY	23	0
PAITHAN	12	9
GHATGHAR	250	0
	611	230
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	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2796
	3143	2796

	17616	13563
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