



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Oct/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Oct/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.740	1494.594	1) Madhya Pradesh	49.214	719.237
2) Hydro	5.699	77.015	2) Gujrat	20.944	186.985
3) Gas	14.929	187.356	3) Goa	-7.507	-89.292
Total MSGENCO	148.368	1758.965	4) TAPS 1&2 (Inj.)	7.234	93.964
B) OTHERS			5) Pench (Excess)	-0.987	-6.721
1) RGPPL Gas	22.418	282.060	# Total Cent. Sector	68.898	904.173
2) Wind Generation	1.093	95.718	F) Other Exchanges		
3) PENCH (MS)	0.987	6.721	1) With TPCL	-4.795	-120.639
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	26.990	342.596	1) MSEDCL Bilateral	1.796	21.115
2) TPCL Hydro	0.397	21.151	Include PX	0.000	0.000
TOTAL TPCL	27.387	363.747	2) MUMBAI Bilateral	5.726	130.467
3) REL Thermal	12.587	162.914	Include PX	-0.485	13.024
D) STATE			3) MUMBAI Schedule	5.726	133.792
1) Thermal (A1+C1+C3)	167.317	2000.104	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	7.083	104.887	1) MSEDCL	236.969	2926.998
3) Gas (A3+B1)	37.347	469.416	2) TPCL	28.984	422.864
4) Wind (B2)	1.093	95.718	3) REL	15.785	224.410
TOTAL STATE	212.840	2670.125	TOTAL STATE	281.738	3574.272

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 8 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5432	5389	5048
MSGENCO Hydro	122	777	107
MSGENCO Gas	605	652	670
MSGENCO Total Generation	6159	6818	5825
Central Sector Receipt	2518	3285	2452
RGPPL	933	935	934
WIND	99	34	38
Exchange with TPCL	278	-314	250
MSEDCL DEMAND MET	10014	10812	9525
Load Shedding	892	1631	761
MSEDCL DEMAND (INCL. LS)	10906	12443	10286
TPCL GENERATION	1384	1416	1287
REL GENERATION	525	523	525
TPCL+REL DEMAND	1631	2253	1562
STATE DEMAND MET	11645	13065	11087
STATE DEMAND (INCL. LS)	12537	14696	11848
Frequency (Hz)	49.79	49.61	49.99
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1491 MW at 19.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			17.75 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.36 Hz at 09.04 Hrs	48.78 Hz at 17.54 Hrs	49.59	3.26 % 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 13/Oct/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.74	17.04	81	52	70
Unit 2	1.58	14.85	71	60	70
Unit 3	1.62	12.73	80	49	70
Unit 4	0.00	8.33	0	0	0
Unit 5	3.61	32.39	174	116	140
Unit 6	3.53	39.52	163	131	150
Unit 7	3.64	42.52	178	90	160
	15.71	167.38			660
Bhusawal					
Unit 1	1.11	13.34	53	35	50
Unit 2	2.40	5.28	146	5	120
Unit 3	4.41	45.23	194	170	190
	7.93	63.85			360
Parli					
Unit 1	0.57	6.44	25	22	25
Unit 2	0.57	5.70	26	22	25
Unit 3	3.58	38.14	158	135	155
Unit 4	4.41	51.97	200	155	170
Unit 5	4.14	50.06	176	165	170
Unit 6	4.93	65.34	224	180	200
	18.21	217.65			745
Chandrapur					
Unit 1	3.82	49.03	165	153	170
Unit 2	2.75	30.00	150	0	150
Unit 3	4.09	54.64	190	157	180
Unit 4	4.49	58.79	196	166	205
Unit 5	9.77	118.86	477	345	450
Unit 6	9.33	111.40	425	320	400
Unit 7	10.45	125.68	448	422	450
	44.70	548.41			2005
Paras					
Unit 2	0.00	4.72	0	0	0
Unit 3	5.06	54.71	225	188	200
	5.06	59.43			200
Khaparkheda					
Unit 1	4.00	55.48	208	0	185
Unit 2	4.22	52.20	188	143	175
Unit 3	4.90	49.90	214	174	185
Unit 4	5.05	60.52	214	204	210
	18.18	218.10			755
Nasik					
Unit 1	1.99	25.38	90	64	70
Unit 2	2.21	20.75	99	87	90
Unit 3	4.84	59.95	210	195	205
Unit 4	4.58	57.54	202	181	195
Unit 5	4.35	56.14	188	169	185
	17.96	219.77			745
Uran					
All Units	14.93	187.36	670	522	650
	14.93	187.36			650
Koyna					
Stage 1-2	1.52	20.88	235	35	600
Stage 4	0.88	17.65	436	0	250
Kovna 12&4 Total	2.39	38.53			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.55	11.20	276	0	320
	2.95	49.73			1170
Hydro					
KDPH	0.95	5.76	40	39	36
VTRNA	0.00	0.12	0	0	0
TILLARI	0.70	6.70	59	0	60
BHTGR/VEER	0.18	2.93	8	7	20
BHIRA T.R.	0.04	2.42	21	0	40
RNGR+BHTSA	0.22	2.41	15	0	15
BHANDARDRA	0.36	3.78	15	15	40
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.75	10	0	10
GHATGHAR	0.25	2.42	120	0	0
	2.75	27.29			221
PENCH (MS)					
Pench (MS)	0.99	6.72	54	20	0
	0.99	6.72			0
Wind					
MalharPeth	0.05	5.45			
Vankuswadi	0.17	9.26			
ATIT	0.04	3.56			
Kale	0.04	2.22			
Satara	0.09	8.53			
Shirala	0.13	3.78			
K Mahankal	0.01	2.33			
Supa	0.07	1.93			
Vita	0.40	15.93			
Dondaicha	0.00	24.39			
Sakri	0.04	4.42			
Nandurbar	0.01	3.21			
Khadakale	0.02	5.09			
Khaparale	0.04	5.61			
	1.09	95.72			
Dabhol					
RGPP L II	22.42	282.06	936	933	900
RGPP L III	0.00	0.00	0	0	
	22.42	282.06			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.88	114.46	495	355	500
Trombay 6	7.68	125.60	510	150	500
Trombay 7A	2.89	34.54	123	118	110
Trombay 7B	1.59	19.69	67	65	110
Trombay 8	3.95	48.31	230	126	160
TATA Hydro	0.40	21.15	147	0	447
	27.39	363.75			1827
REL					
1&2	12.59	162.91	528	521	500
	12.59	162.91			500
Cent Sect					
Share					3238
					3238

MS PG CL	Thermal	127.74	1494.59		5470
	Thml+Gas	142.67	1681.95		6120
	Hydro	5.70	77.02		1391
	Total	148.37	1758.96		7511
State Total		212.84	2670.12		13976

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/Oct/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	4960	141	660	5761	933	29	2705	2978	4	22	9776	950	10726	1874	12600	49.57
2	4963	181	659	5803	933	30	2434	2808	192	218	9819	949	10768	1682	12450	49.61
3	4953	111	668	5732	934	29	2403	2606	192	248	9576	825	10401	1613	12014	49.83
4	5048	107	670	5825	934	38	2403	2452	192	250	9525	761	10286	1562	11848	49.99
5	5162	107	662	5931	936	65	2404	2385	192	247	9590	735	10325	1556	11881	49.79
6	5262	157	600	6019	934	75	2344	2448	274	332	9835	733	10568	1560	12128	49.49
7	5361	297	600	6258	934	110	2429	2744	210	262	10334	889	11223	1633	12856	49.49
8	5432	122	605	6159	933	99	2530	2518	227	278	10014	892	10906	1631	12537	49.79
9	5397	167	600	6164	933	74	2920	2648	-161	21	9866	781	10647	1727	12374	49.86
10	5364	191	600	6155	934	70	3224	2887	-421	-385	9681	438	10119	1776	11895	49.97
11	5460	190	589	6239	934	57	3353	2908	-555	-530	9658	438	10096	1899	11995	49.70
12	5465	177	580	6222	935	37	3352	3056	-549	-528	9772	634	10406	1903	12309	49.61
13	5541	175	577	6293	934	34	3350	2857	-549	-532	9636	666	10302	1946	12248	49.59
14	5497	182	566	6245	934	32	3350	2927	-549	-535	9623	665	10288	1898	12186	49.51
15	5538	167	522	6227	936	34	3349	2847	-549	-534	9560	665	10225	1896	12121	49.24
16	5303	154	637	6094	935	27	3324	2936	-549	-535	9510	720	10230	1904	12134	49.54
17	5386	168	633	6187	934	23	3318	2998	-549	-534	9662	730	10392	1908	12300	49.37
18	5325	497	628	6450	934	27	3235	2898	-511	-492	9871	817	10688	1973	12661	49.07
19	5323	1074	638	7035	935	39	3046	3062	-311	-293	10831	1329	12160	2110	14270	49.33
20	5389	777	652	6818	935	34	3171	3285	-358	-314	10812	1631	12443	2253	14696	49.61
21	5427	236	648	6311	933	47	3181	3517	-440	-408	10454	1631	12085	2235	14320	49.56
22	5469	112	645	6226	933	28	3157	3435	-440	-407	10269	1632	11901	2189	14090	49.52
23	5426	102	644	6172	934	24	3067	2913	-385	-347	9749	1305	11054	2061	13115	49.47
24	5265	107	646	6018	934	31	3050	2775	-334	-299	9512	1014	10526	1980	12506	49.61
MUs	127.72	5.70	14.93	148.34	22.42	1.09	71.10	68.89	-5.73	-4.80	236.94	21.83	258.76	44.77	303.53	49.59

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 13/Oct/2009

Position as on 6.30 Hrs of 14/Oct/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
Koradi Unit 4	115	07/10/2009	00.06		Continued.	Maintenance work.	13/10/2009
Paras Unit 2	55	11/10/2009	13:29		Continued.	AOH.	05/11/2009
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	
Khaparkheda Unit 1	210	12/10/2009	21.09	13/10/2009	03.11	Hot Spot on B-Ph CT On GT Side.	
Chandrapur Unit 2	210	13/10/2009	14.38	13/10/2009	18.14	Tripped on,Drum Level Low.	
Bhusawal Unit 2	210	13/10/2009	23:02		Continued.	Grand Cooler-II Leakage.	14/10/2009

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Oct/2009

Position as on 6.30 Hrs of 14/Oct/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 - I	04/10/2009	22:03		Continued.	H/T to control O/V.
Dhule-Sar'Sarovar II	05/10/2009	03:50		Continued.	H/T FOR O/V.
Kolhapur-Mapusa-II	13/10/2009	01.34	13/10/2009	10.58	H/T For O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Mapusa Ckt I	13/10/2009	22.19		Continued.	H/T For O/V.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari -II	13/10/2009	05:50	13/10/2009	07.25	Tripped on Distance Protection(Bph to E)
IntraState					
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.
Butibori - Wardha	10/10/2009	10:15		Continued.	Line on TBC own CB overhauling at Wardha end.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	03/10/2009	21.48		Continued.	H/T to load 400 KV Akola ICT.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pardi-Uppalwadi	01/10/2009	17:14		Continued.	To Control 132kv Ambazari-Mankapur ckt flow.
Voltage Level : 220KV			Outage Type TRIPPED		
220/22 KV 50 MVA T/F -I at Kalwa	13/10/2009	14.28	13/10/2009	19.15	Differential Protection.
Kanhan - Bhandara - I	13/10/2009	16.36		Continued.	Tripped On Dist.Prot.Y-Ph E/F,at Loc No.163.
Voltage Level : 132KV			Outage Type TRIPPED		
132/33 KV 25 MVA T/F - I @ Bhusawal	27/09/2009	17.36		Continued.	Transformer Caught Fire.
Harangul-Ujani-II	13/10/2009	09.17	13/10/2009	09.37	Tripped on,Dist.Prot.
Ozar - Manmad	13/10/2009	10.26	13/10/2009	11.40	Dist.Prot,R-Ph to Earth.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Oct/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	60
Unit 3	105	60
Unit 4	105	0
Unit 5	200	170
Unit 6	210	140
Unit 7	210	180
	1040	685
Bhusawal		
Unit 1	58	50
Unit 2	210	0
Unit 3	210	190
	478	240
Parli		
Unit 1	30	25
Unit 2	30	25
Unit 3	210	160
Unit 4	210	190
Unit 5	210	170
Unit 6	250	200
	940	770
Chandrapur		
Unit 1	210	170
Unit 2	210	150
Unit 3	210	180
Unit 4	210	200
Unit 5	500	450
Unit 6	500	425
Unit 7	500	450
	2340	2025
Paras		
Unit 2	55	0
Unit 3	250	210
	305	210
Khaparkheda		
Unit 1	210	185
Unit 2	210	170
Unit 3	210	210
Unit 4	210	215
	840	780
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	200
Unit 4	210	185
Unit 5	210	180
	870	745
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	36
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	8
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	15
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	184
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	110
Trombay 7B	60	110
Trombay 8	250	160
TATA Hydro	444	447
	2024	1827
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3394
	3143	3394

	17616	14060
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