



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Oct/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Oct/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.164	2315.186	1) Madhya Pradesh	56.148	1087.993
2) Hydro	11.228	129.807	2) Gujrat	22.389	343.280
3) Gas	14.781	292.537	3) Goa	-7.436	-135.951
Total MSGENCO	138.173	2737.530	4) TAPS 1&2 (Inj.)	7.182	144.428
B) OTHERS			5) Pench (Excess)	-1.166	-13.238
1) RGPPL Gas	22.542	433.310	# Total Cent. Sector	77.117	1426.512
2) Wind Generation	1.093	106.880	F) Other Exchanges		
3) PENCH (MS)	1.166	13.238	1) With TPCL	-7.029	-150.588
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	28.468	558.008	1) MSEDCL Bilateral	2.861	35.623
2) TPCL Hydro	2.049	30.452	Include PX	0.697	0.827
TOTAL TPCL	30.517	588.460	2) MUMBAI Bilateral	8.131	167.225
3) REL Thermal	12.624	251.105	Include PX	0.000	11.378
D) STATE			3) MUMBAI Schedule	8.131	170.550
1) Thermal (A1+C1+C3)	153.256	3124.299	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	14.443	173.497	1) MSEDCL	233.062	4566.882
3) Gas (A3+B1)	37.323	725.847	2) TPCL	32.806	647.318
4) Wind (B2)	1.093	106.880	3) REL	17.362	342.898
TOTAL STATE	206.115	4130.523	TOTAL STATE	283.230	5557.098

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	4727	4692	4740
MSGENCO Hydro	643	1705	51
MSGENCO Gas	610	632	611
MSGENCO Total Generation	5980	7029	5402
Central Sector Receipt	3455	3582	2026
RGPPL	926	946	944
WIND	43	57	52
Exchange with TPCL	-665	-562	279
MSEDCL DEMAND MET	9792	11099	8753
Load Shedding	3320	3401	1208
MSEDCL DEMAND (INCL. LS)	13112	14500	9961
TPCL GENERATION	1312	1410	1270
REL GENERATION	526	526	527
TPCL+REL DEMAND	2503	2498	1518
STATE DEMAND MET	12295	13597	10271
STATE DEMAND (INCL. LS)	15615	16998	11479
Frequency (Hz)	49.40	49.82	49.57
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4676 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			76.37 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.24 Hz at 08.07 Hrs	48.97 Hz at 01.22 Hrs	49.6	.27 % 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 20/Oct/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.08	19.99	40	0	0
Unit 2	1.76	24.04	78	68	70
Unit 3	1.84	24.16	89	67	70
Unit 4	1.89	17.70	92	57	70
Unit 5	3.82	58.01	175	149	160
Unit 6	3.76	64.05	165	146	150
Unit 7	4.13	70.08	183	146	180
	17.28	278.04			700
Bhusawal					
Unit 1	1.20	21.42	56	41	50
Unit 2	4.08	30.14	187	146	180
Unit 3	4.39	74.83	189	167	190
	9.68	126.39			420
Parli					
Unit 1	0.58	10.53	25	22	20
Unit 2	0.57	9.71	25	22	20
Unit 3	3.54	63.63	163	137	150
Unit 4	4.46	83.21	203	150	180
Unit 5	4.17	78.79	180	163	175
Unit 6	5.03	96.45	239	176	180
	18.35	342.31			725
Chandrapur					
Unit 1	3.85	75.96	168	160	170
Unit 2	0.00	45.80	0	0	0
Unit 3	4.20	84.64	185	152	200
Unit 4	4.44	90.93	208	105	210
Unit 5	8.38	185.37	435	0	450
Unit 6	10.22	159.84	450	390	450
Unit 7	0.51	158.55	390	0	0
	31.61	801.09			1480
Paras					
Unit 2	0.00	4.72	0	0	0
Unit 3	4.65	78.01	230	124	130
	4.65	82.72			130
Khaparkheda					
Unit 1	2.72	86.54	204	0	163
Unit 2	4.52	83.30	199	164	171
Unit 3	0.61	78.53	167	0	0
Unit 4	4.84	93.94	214	168	160
	12.68	342.31			494
Nasik					
Unit 1	1.70	38.76	96	54	76
Unit 2	2.21	35.95	101	87	76
Unit 3	4.96	92.21	212	193	182
Unit 4	4.65	89.42	202	183	177
Unit 5	4.39	85.98	194	170	162
	17.92	342.32			673
Uran					
All Units	14.78	292.54	645	568	600
	14.78	292.54			600
Koyna					
Stage 1-2	3.46	36.26	545	40	600
Stage 4	4.23	37.24	955	0	250
Koyna 12&4 Total	7.69	73.50			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.08	19.05	314	0	320
	9.78	92.56			1170
Hydro					
KDPH	0.00	6.12	0	0	0
VTRNA	0.00	0.12	0	0	0
TILLARI	0.36	9.33	58	0	60
BHTGR/VEER	0.02	4.21	1	1	13
BHIRA T.R.	0.05	3.08	21	0	40
RNGR+BHTSA	0.25	4.26	16	0	3
BHANDARDRA	0.00	4.11	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.04	10	0	0
GHATGHAR	0.71	4.98	125	0	0
	1.45	37.25			116
PENCH (MS)					
Pench (MS)	1.17	13.24	54	20	
	1.17	13.24			
Wind					
MalharPeth	0.06	5.98			
Vankuswadi	0.22	10.99			
ATIT	0.04	3.88			
Kale	0.01	2.38			
Satara	0.07	9.36			
Shirala	0.04	4.30			
K Mahankal	0.07	2.64			
Supa	0.05	2.30			
Vita	0.30	18.40			
Dondaicha	0.05	26.17			
Sakri	0.01	5.19			
Nandurbar	0.02	3.44			
Khadakale	0.12	5.90			
Khaparale	0.03	5.86			
	1.09	106.78			
Dabhol					
RGPP L II	22.54	433.31	946	926	889
RGPP L III	0.00	0.00	0	0	
	22.54	433.31			889
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.98	193.04	500	0	500
Trombay 6	9.60	192.38	510	280	500
Trombay 7A	2.43	53.92	109	98	110
Trombay 7B	1.44	30.59	63	58	70
Trombay 8	6.01	88.07	252	246	250
TATA Hydro	2.05	30.45	477	0	447
	30.52	588.46			1877
REL					
1&2	12.62	251.10	528	524	500
	12.62	251.10			500
Cent Sect					
Share					3070
					3070

MS PG CL	Thermal	112.16	2315.19		4622
	Thml+Gas	126.94	2607.72		5222
	Hydro	11.23	129.81		1286
	Total	138.17	2737.53		6508
State Total		206.12	4130.52		12844

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	5130	46	568	5744	942	35	2302	2201	-20	29	8978	1514	10492	1787	12279	49.68
2	4862	86	568	5516	942	34	2057	2150	212	276	8968	1512	10480	1590	12070	49.44
3	4740	51	611	5402	944	52	2057	2026	212	279	8753	1208	9961	1518	11479	49.57
4	4739	51	615	5405	945	67	2057	2189	212	277	8933	1144	10077	1459	11536	49.65
5	4562	46	614	5222	943	77	2057	2293	212	277	8862	1196	10058	1439	11497	49.51
6	4672	207	615	5494	945	77	2057	2536	212	276	9378	1610	10988	1469	12457	49.54
7	4709	75	615	5399	945	81	2158	2048	213	274	8797	2557	11354	1543	12897	49.67
8	4866	67	628	5561	945	68	2367	2553	119	170	9317	2240	11557	1646	13203	49.68
9	4851	86	641	5578	942	44	2628	3233	-147	-108	9742	2695	12437	1895	14332	49.80
10	4846	239	630	5715	937	38	2927	3322	-512	-473	9592	3129	12721	2209	14930	49.62
11	4759	381	618	5758	929	42	3199	3493	-690	-662	9614	3387	13001	2408	15409	49.46
12	4727	643	610	5980	926	43	3191	3455	-690	-665	9792	3320	13112	2503	15615	49.40
13	4749	754	601	6104	926	36	3202	3370	-691	-654	9835	3168	13003	2492	15495	49.40
14	4766	633	603	6002	931	24	3249	3465	-691	-655	9821	3265	13086	2460	15546	49.54
15	4614	583	601	5798	930	26	3317	3446	-691	-653	9600	3401	13001	2488	15489	49.48
16	4507	325	606	5438	933	25	3365	3599	-691	-654	9394	3588	12982	2499	15481	49.57
17	4545	438	611	5594	936	29	3371	3594	-691	-655	9552	3515	13067	2477	15544	49.53
18	4680	646	615	5941	937	41	3331	3620	-624	-586	10006	3178	13184	2409	15593	49.43
19	4681	1816	618	7115	940	51	3132	3378	-570	-552	10985	3341	14326	2470	16796	49.42
20	4692	1705	632	7029	946	57	3135	3582	-570	-562	11099	3401	14500	2498	16998	49.82
21	4478	1137	638	6253	945	55	3137	4293	-570	-511	11082	3142	14224	2408	16632	49.93
22	4326	635	638	5599	944	35	3133	4705	-566	-507	10823	3169	13992	2292	16284	49.80
23	4358	485	640	5483	945	27	3143	4156	-572	-513	10145	2357	12502	2177	14679	49.65
24	4286	93	645	5024	944	30	3138	4422	-535	-477	9988	1701	11689	2034	13723	49.78
MUs	112.14	11.23	14.78	138.15	22.54	1.09	67.71	77.13	-8.13	-7.03	233.06	62.74	295.79	50.17	345.96	49.60

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 20/Oct/2009

Position as on 6.30 Hrs of 21/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
Paras Unit 2	55	11/10/2009	13:29		Continued.	AOH.	05/11/2009
Cent_Sect NTPC(V-5)	210	21/10/2009	23.57		Continued.	Boiler Overhall	10/11/2009
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	
Koradi Unit 1	105	15/10/2009	22.18	20/10/2009	21.34	Boiler tube leakage.	
Cent_Sect NTPC (V-1)	210	17/10/2009	23.59	20/10/2009	11.45	Boiler tube leakage.	
Chandrapur Unit 2	210	18/10/2009	06.21	21/10/2009	05.40	Boiler Tube Leakage.	
Cent_Sect NTPC(V) 9	500	18/10/2009	22.17	20/10/2009	22.40	Boiler T/L.	
Chandrapur Unit 7	500	20/10/2009	01.09		Continued.	Aux.Supply failed.	22/10/2009
Khaparkheda Unit 3	210	20/10/2009	03.53	21/10/2009	03.54	Boiler T/L.	
Cent_Sect Gandhar U2	144	20/10/2009	13.29	20/10/2009	14.46	Withdrawn.	
Khaparkheda Unit 1	210	20/10/2009	14.21		Continued.	Boiler Tube Leakage.	23/10/2009
Tata Trombay 5	500	20/10/2009	18.52		Continued.	Boiler Tube Leakage.	23/10/2009
Chandrapur Unit 5	500	20/10/2009	20.25		Continued.	Boiler Tube Leakage.	23/10/2009
Chandrapur Unit 2	210	21/10/2009	12.54	21/10/2009	16.10	Drum Level High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Oct/2009

Position as on 6.30 Hrs of 21/Oct/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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.
Kolhapur-Mapusa-II	17/10/2009	00:21	20/10/2009	09.40	H/T to control O/V at Kolhapur.
DHULE-SAR'SAROVAR-I	18/10/2009	13.45		Continued.	H/T For O/V.
Kolhapur-Mapusa Ckt I	20/10/2009	22.55	21/10/2009	10.38	Hand Tripped for Over Voltage.
Voltage Level : 132KV			Outage Type TRIPPED		
Pench - Kanhan	20/10/2009	17.51	20/10/2009	20.30	Dist.Prot.
Mansar-Pench	20/10/2009	18.43	20/10/2009	19.38	Back up Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
New Koyna - Dabhol - II	21/10/2009	15.43	21/10/2009	16.49	To Fill SF 6 Gas,Taken on TBC.
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.
Nasik-Navsari CKT II	20/10/2009	08.05	20/10/2009	17.32	Replacement Insulator.
Bhandara-Kanhan ckt-I	20/10/2009	08.43	20/10/2009	18.46	Replacement of Insulator.
Mudshingi - Karad - II	20/10/2009	08.48	20/10/2009	17.15	Insulator Replacement.
Main Half Bus @ Harangul	20/10/2009	15.00	20/10/2009	17.45	Q.M.Work.
Nasik-Bablsr Ckt I	20/10/2009	19.25	21/10/2009	12.13	To Attend Hot Spot,Line On TBC.
Mudshingi - Karad - II	21/10/2009	08.27	21/10/2009	18.10	Insulator Replacement.
BUS SECTION AT PEDAMBE	21/10/2009	08.30	21/10/2009	14.30	R.M.Work.
Mudshingi - Peth	21/10/2009	08.35	21/10/2009	18.12	R.M.Work.
Kanhan - Bhandara - I	21/10/2009	08.59	21/10/2009	17.50	Replacement of Insulator String at Loc No. 158 to 200.
Kalwa-Nasik	21/10/2009	09.30	21/10/2009	15.30	Replacement of R Ph Insulator String on Loc. No.45.
Wardha - Yawatmal	21/10/2009	10.27	21/10/2009	18.21	Aux.Side & line Side Isolator Maintenance Work.
Khaparkheda - Kanhan - II	21/10/2009	11.27	21/10/2009	16.37	For Providing Micon Relay.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
K'gaon-ONGC	20/10/2009	10.00	20/10/2009	11.50	B Phase C.T.Oil Leakage.
LONIKHAND-BHOSARI	20/10/2009	14.32	20/10/2009	17.35	To Attend Hot Spot.
Lamboti-Bale-I	21/10/2009	13.59	21/10/2009	15.19	Testing Work.
Lamboti-Bale-II	21/10/2009	15.21	21/10/2009	15.57	Testing Work.
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Paras-Malegaon	17/10/2009	11.43		Continued.	Ckt on TBC due to main breaker Problem.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	20/10/2009	09.51		Continued.	To Control Akola ICT.
K'gaon-ONGC	20/10/2009	15.30	21/10/2009	05.39	To Attended B Phase C.T. Leakage.
Bhandara-Kanhan ckt-I	20/10/2009	19.53	20/10/2009	20.00	To Attend Isolator Sparking.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pardi-Uppalwadi	01/10/2009	17:14		Continued.	To Control 132kv Ambazari-Mankapur ckt flow.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Oct/2009

Position as on 6.30 Hrs of 21/Oct/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chikhali - Khamgaon	20/10/2009	09.30	20/10/2009	10.06	To Control 220 KV Chikhali ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-New Koyna II	21/10/2009	23.24		Continued.	Tripped on Dist.Prot.Zone-1,Zone-2,Y Ph Trip.
Voltage Level : 220KV			Outage Type TRIPPED		
Jambul - Ambarnath	20/10/2009	13.05	20/10/2009	16.10	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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Oct/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	60
Unit 4	105	65
Unit 5	200	170
Unit 6	210	160
Unit 7	210	160
	1040	765
Bhusawal		
Unit 1	58	50
Unit 2	210	170
Unit 3	210	190
	478	410
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	150
Unit 4	210	185
Unit 5	210	170
Unit 6	250	220
	940	765
Chandrapur		
Unit 1	210	170
Unit 2	210	50
Unit 3	210	200
Unit 4	210	210
Unit 5	500	0
Unit 6	500	425
Unit 7	500	0
	2340	1055
Paras		
Unit 2	55	0
Unit 3	250	200
	305	200
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	90
Unit 4	210	210
	840	490
Nasik		
Unit 1	120	61
Unit 2	120	76
Unit 3	210	182
Unit 4	210	177
Unit 5	210	162
	870	658
Uran		
All Units	852	620
	852	620
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		
RGPPPL II	960	895
RGPPPL III	740	
	1700	895
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	110
Trombay 7B	60	70
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3226
	3143	3226