



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Jan/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.679	2465.730	1) Madhya Pradesh	56.559	1161.906
2) Hydro	7.577	177.609	2) Gujrat	26.193	413.998
3) Gas	11.504	270.016	3) Goa	-7.480	-131.902
Total MSGENCO	140.760	2913.355	4) TAPS 1&2 (Inj.)	3.661	69.616
B) OTHERS			5) Pench (Excess)	-0.476	-8.071
1) RGPPL Gas	33.138	528.081	# Total Cent. Sector	78.457	1505.547
2) Wind Generation	3.746	57.591	F) Other Exchanges		
3) PENCH (MS)	0.476	8.071	1) With TPCL	-5.385	-83.273
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.785	428.963	1) MSEDCL Bilateral	7.205	134.345
2) TPCL Hydro	6.601	103.299	Include PX	1.241	14.890
TOTAL TPCL	28.386	532.262	2) MUMBAI Bilateral	5.616	95.361
3) REL Thermal	12.716	254.189	Include PX	3.365	51.504
D) STATE			3) MUMBAI Schedule	5.841	96.586
1) Thermal (A1+C1+C3)	156.180	3148.882	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	14.654	288.979	1) MSEDCL	251.192	4929.372
3) Gas (A3+B1)	44.642	798.097	2) TPCL	30.245	564.903
4) Wind (B2)	3.746	57.591	3) REL	16.240	305.102
TOTAL STATE	219.222	4293.549	TOTAL STATE	297.677	5799.377

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	4974	5172	4956
MSGENCO Hydro	468	999	138
MSGENCO Gas	465	483	469
MSGENCO Total Generation	5907	6654	5563
Central Sector Receipt	3847	3414	2402
RGPPL	1227	1555	1278
WIND	199	86	249
Exchange with TPCL	-398	-408	-23
MSEDCL DEMAND MET	10809	11354	9469
Load Shedding	3501	3764	1694
MSEDCL DEMAND (INCL. LS)	14310	15118	11163
TPCL GENERATION	1429	1429	742
REL GENERATION	527	527	532
TPCL+REL DEMAND	2354	2364	1297
STATE DEMAND MET	13163	13718	10766
STATE DEMAND (INCL. LS)	16664	17482	12460
Frequency (Hz)	49.22	49.48	50.03
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3990 MW AT 14:00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			72.90 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.28 Hz at 00.00 Hrs	48.95 Hz at 14.43 Hrs	49.6	.56 % 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 20/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.75	31.50	76	0	0
Unit 2	1.73	32.50	79	65	65
Unit 3	0.00	10.30	0	0	0
Unit 4	1.93	27.28	89	61	80
Unit 5	3.29	69.76	145	129	125
Unit 6	3.81	64.31	178	152	155
Unit 7	0.53	47.44	140	0	0
	12.03	283.09			425
Bhusawal					
Unit 1	1.13	17.71	50	37	50
Unit 2	4.46	72.27	190	170	190
Unit 3	4.51	87.12	195	180	190
	10.10	177.10			430
Parli					
Unit 1	0.57	11.22	26	22	23
Unit 2	0.55	10.94	24	22	23
Unit 3	3.39	58.32	149	137	160
Unit 4	4.30	91.99	195	163	200
Unit 5	4.07	79.58	180	154	180
Unit 6	5.41	105.39	246	208	235
	18.30	357.45			821
Chandrapur					
Unit 1	3.22	66.91	139	126	150
Unit 2	3.96	68.38	172	157	160
Unit 3	4.47	80.19	203	150	210
Unit 4	4.56	72.91	205	152	210
Unit 5	10.22	207.48	440	400	400
Unit 6	9.90	200.46	440	380	450
Unit 7	9.82	201.18	442	378	450
	46.14	897.51			2030
Paras					
Unit 2	0.00	15.48	0	0	0
Unit 3	2.67	78.70	118	98	110
	2.67	94.18			110
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.62	91.79	203	168	190
Unit 3	4.68	97.41	213	179	210
Unit 4	4.79	96.39	213	183	210
	14.09	308.20			610
Nasik					
Unit 1	2.01	38.52	95	57	95
Unit 2	2.19	38.68	98	86	95
Unit 3	4.94	96.26	209	202	160
Unit 4	4.35	94.24	190	171	205
Unit 5	4.86	80.50	206	192	200
	18.35	348.20			755
Uran					
All Units	11.50	270.02	589	463	480
	11.50	270.02			480
Koyna					
Stage 1-2	1.72	35.14	270	40	530
Stage 4	0.49	46.19	240	0	250
Koyna 12&4 Total	2.22	81.33			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.68	17.65	238	0	320
	2.90	98.98			1100
Hydro					
KDPH	0.10	6.63	20	0	0
VTRNA	0.58	5.57	61	0	60
TILLARI	0.37	7.40	60	0	60
BHTGR/VEER	1.58	24.72	66	65	40
BHIRA T.R.	0.32	5.12	81	0	80
RNGR+BHTSA	0.33	6.22	14	13	15
BHANDARDRA	0.00	6.03	0	0	15
ELDARY	0.00	0.71	0	0	0
PAITHAN	0.06	1.08	9	0	10
GHATGHAR	1.34	15.16	125	0	0
	4.68	78.63			280
PENCH (MS)					
Pench (MS)	0.48	8.07	53	0	0
	0.48	8.07			0
Wind					
MalharPeth	0.19	2.38			
Vankuswadi	0.50	6.00			
ATIT	0.07	1.17			
Kale	0.15	1.89			
Satara	0.17	2.45			
Shirala	0.13	2.04			
K Mahankal	0.32	1.69			
Supa	0.06	1.47			
Vita	1.00	11.05			
Dondaicha	0.57	15.78			
Sakri	0.09	2.09			
Nandurbar	0.07	1.77			
Khadakale	0.26	4.46			
Khaparale	0.15	3.34			
	3.75	57.59			
Dabhol					
RGPP L II	33.14	528.08	1582	1227	1230
RGPP L III	0.00	0.00	0	0	0
	33.14	528.08			1230
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	11.77	213.22	510	390	500
Trombay 7A	2.89	54.80	125	116	120
Trombay 7B	1.63	31.49	69	65	60
Trombay 8	5.50	109.77	250	150	250
TATA Hydro	6.60	103.30	481	0	447
	28.39	532.26			1377
REL					
1&2	12.72	254.19	533	525	500
	12.72	254.19			500
Cent Sect					
Share					3182
					3182

MS PG CL	Thermal	121.68	2465.73		5181
	Thml+Gas	133.18	2735.75		5661
	Hydro	7.58	177.61		1380
	Total	140.76	2913.36		7041
State Total		219.22	4293.55		13330

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Jan/2010

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	4926	138	589	5653	1250	206	2728	2702	-50	-37	9774	1988	11762	1482	13244	50.01
2	4976	137	495	5608	1255	218	2716	2647	-50	-19	9709	1944	11653	1354	13007	50.03
3	4992	142	465	5599	1277	246	2716	2468	-50	-10	9580	1684	11264	1325	12589	50.04
4	4956	138	469	5563	1278	249	2716	2402	-50	-23	9469	1694	11163	1297	12460	50.03
5	4993	148	467	5608	1251	238	2717	2399	-50	-25	9471	1728	11199	1289	12488	49.74
6	5002	119	466	5587	1249	239	2808	2915	-50	-23	9994	2487	12481	1319	13800	49.55
7	5024	130	463	5617	1244	252	3198	2910	38	71	10121	3144	13265	1512	14777	49.55
8	5041	120	465	5626	1252	268	3209	3438	38	52	10636	3231	13867	1644	15511	49.39
9	5047	179	475	5701	1250	231	3206	3032	38	54	10268	3647	13915	1830	15745	49.41
10	5041	269	472	5782	1268	290	3569	3438	-258	-249	10529	3671	14200	2208	16408	49.53
11	5015	344	471	5830	1280	283	3833	3777	-389	-380	10817	3347	14164	2337	16501	49.57
12	4974	468	465	5907	1227	199	3810	3847	-414	-398	10809	3501	14310	2354	16664	49.22
13	5064	280	466	5810	1251	115	3801	3855	-415	-419	10639	3516	14155	2366	16521	49.39
14	5067	250	469	5786	1413	67	3819	4007	-439	-419	10881	3461	14342	2291	16633	49.79
15	5091	295	468	5854	1470	44	3792	3812	-439	-446	10734	3483	14217	2318	16535	49.28
16	5087	300	468	5855	1500	36	3811	3987	-462	-465	10913	3199	14112	2341	16453	49.48
17	5040	380	467	5887	1500	35	3814	3939	-462	-467	10894	3146	14040	2336	16376	49.38
18	5159	468	473	6100	1535	37	3783	3673	-415	-422	10972	2851	13823	2306	16129	49.37
19	5188	947	478	6613	1547	65	3184	3496	-373	-374	11400	3514	14914	2328	17242	49.42
20	5172	999	483	6654	1555	86	3260	3414	-423	-408	11354	3764	15118	2364	17482	49.48
21	5161	742	485	6388	1559	97	3185	3278	-304	-279	11096	3466	14562	2235	16797	49.46
22	5219	292	495	6006	1572	82	3205	3298	-229	-172	10839	3485	14324	2098	16422	49.80
23	5238	167	495	5900	1573	84	3219	2883	-315	-265	10228	3102	13330	1813	15143	49.65
24	5206	125	495	5826	1582	79	3048	2840	-315	-262	10065	2276	12341	1740	14081	49.93
MUs	121.68	7.58	11.50	140.76	33.14	3.75	79.15	78.46	-5.84	-5.38	251.19	71.33	322.52	46.49	369.01	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/Jan/2010

Position as on 6.30 Hrs of 21/Jan/2010

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 5	500	03/01/2010	00.57		Continued.	AOH	01/02/2010
Khaparkheda Unit 1	210	05/01/2010	23.57		Continued.	AOH	09/02/2010
Koradi Unit 3	105	09/01/2010	00.17		Continued.	COH.	21/03/2010
Uran Unit 6	108	20/01/2010	01:22		Continued.	Major Overhauling work.	05/03/2010
Koyna Unit 9	80	20/01/2010	11:00		Continued.	AOH.	19/02/2010
FORCED OUTAGE							
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
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	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	W/Dn.	
Cent_Sect Tarapur 1	80	09/12/2009	09:22		Continued.	Condenser Tube Leakage.	02/02/2010
Koradi Unit 7	210	13/01/2010	21:53	20/01/2010	16:58	Tripped on AC O/V at Excitation Trf.	
Koradi Unit 1	105	17/01/2010	14.26	20/01/2010	11:20	Boiler Tube Leakage.	
Dabhol 1B	230	19/01/2010	00.22	20/01/2010	08:34	Withdrawn	
Tata Trombay 6	500	21/01/2010	06.46	21/01/2010	10.23	Drum level low.	
Uran Unit 5	108	21/01/2010	11.37	21/01/2010	13.50	Boiler Discrepancy.	
Uran Unit A0	120	21/01/2010	11.37	21/01/2010	16.40	Boiler Discerepancy.	
Uran Unit 5	108	21/01/2010	17.58	21/01/2010	18.42	Boiler Problem.	
Uran Unit A0	120	21/01/2010	17.58	21/01/2010	20.48	Boiler Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jan/2010

Position as on 6.30 Hrs of 21/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari-I	20/01/2010	08:46	20/01/2010	18:15	Maintenance Work.
Nasik-Navsari-I	21/01/2010	08.26	21/01/2010	18.21	Insulator cleaning work.
Badnera - Deoli (PGCIL)	21/01/2010	12.12	21/01/2010	14.19	To attend sparking at B Ph wave trap at Deoli end.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - I	12/01/2010	12.56		Continued.	H/T. SYSTEM CONSTRAINT.
Dhule-Sar'Sarovar - II	12/01/2010	22.22		Continued.	H/T for O/V at Dhule S/S.
Akola - Aurangabad - I	20/01/2010	00:45		Continued.	H/T System Constraint.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa-Kharghar	15/01/2010	12.39		Continued.	Breaker Overhauling Work, Line on TBC.
400 KV Bus Coupler @ Chandrapur	18/01/2010	09.50		Continued.	Commissioning of New 400KV CGL Make Breaker
Main Bus-I at Jejuri	18/01/2010	10.16	20/01/2010	12:03	ICT-II Bay testing and commissioning work
Parly - Chandrapur - II	19/01/2010	10:19	20/01/2010	17:50	Taken on Own Breaker.
400/220 KV 315 MVA ICT at Akola	19/01/2010	11:25	20/01/2010	22:48	TRCC Panel Commissioning work.
400/220 KV, 500 MVA ICT - II at Jejuri	20/01/2010	00:01	20/01/2010	14:46	First time charged form H V side.
400/220 KV, 315 MVA ICT-IAT NAGOTHANE	20/01/2010	09:10	20/01/2010	18:16	Replacement of old PRV.
400/220 KV, 105 MVA Spare ICT at Akola.	21/01/2010	00.01	21/01/2010	16.40	First time in I/S.
Kalwa - Lonikand	21/01/2010	08.26	21/01/2010	18.22	Replacement of faulty disc insulator.
400/220 KV 300 MVA ICT-I @ Koradi	21/01/2010	11.48	21/01/2010	15.42	Attending oil leakage.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Vankuswadi-KDPH	12/01/2010	09.36	21/01/2010	15.30	Taken on Own breaker.
220/132 KV 150 MVA ICT-I at Dhule	19/01/2010	15:40		Continued.	Main CKT Breaker New Commissioning work.ICT on TBC.
Kalwa-Ghatghar	21/01/2010	09.12	21/01/2010	17.42	Relay testing work.
Bhosari-Telco	21/01/2010	09.55	21/01/2010	18.25	Isolator Maintenance work.
Kurkumb-Bhigwan	21/01/2010	10.15	21/01/2010	16.35	Q.M.Work.
Bablsr-Ranjangaon	21/01/2010	12.00	21/01/2010	18.12	Replacement of jumper.
220/132 KV, 200 MVA T/F at Lonand	21/01/2010	12.02	21/01/2010	16.45	To attend oil leakage.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon - Mhasale	21/01/2010	11.00	21/01/2010	16.45	Replacement of insulator.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Akola - Aurangabad - II	18/01/2010	18:18	20/01/2010	17:47	PGCIL Work.(tie breaker work)
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Chandrapur MIDC - Gadchandur	18/01/2010	10:22	20/01/2010	09:00	BKR O/H CKT on TBC for 3 day.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jan/2010

Position as on 6.30 Hrs of 21/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220 KV Auxilary Bus at Virur	20/01/2010	10:45	20/01/2010	21:45	Routine Maintenance.
Khaperkheda - Wardha.	21/01/2010	09.08	21/01/2010	11.46	Red hot spot on B Ph.
220/132 KV 150MVA ICT at Nanded	21/01/2010	11.01	21/01/2010	13.55	To attend oil leakage.
Bhugaon-Pusad	21/01/2010	11.36	21/01/2010	15.07	Red hot spot on Y Ph.jumper of wave trap
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Kawalewada-Gondia-I	20/01/2010	10:27	20/01/2010	12:18	Measurement of Tan Delta.
Kawlewada-Gondia-II	20/01/2010	12:25	20/01/2010	15:50	Measurement of Tan Delta.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	07/01/2010	18.04	20/01/2010	10:00	System Constraint, charged from A'Bad end only.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Parli-Usmanabad	19/01/2010	22:12	20/01/2010	16.42	H/T due to Heavy Sparking on line Isolator.
Pusad -Parbhani	21/01/2010	11.31	21/01/2010	15.17	H/T due to Pusad-Bhugaon outage.
Voltage Level : 220KV			Outage Type TRIPPED		
Nagothane-Mahad	19/01/2010	19:01	20/01/2010	00:53	Tripped on Distance Protection.
Talandge - Sawantwadi	20/01/2010	13:35	20/01/2010	14:00	Back up O/C E/F operated.
Pophali- Karad II	21/01/2010	13.50	21/01/2010	14.15	Tripped on distance protection.
Dhamangaon - Badnera	21/01/2010	15.55	21/01/2010	16.25	Tripped at Badnera end.Distance protection operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Dhule-Nardhane	20/01/2010	16:33	20/01/2010	16:50	Distance Protection Operated Zone-1.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	0
Unit 4	105	80
Unit 5	200	140
Unit 6	210	160
Unit 7	210	160
	1040	680
Bhusawal		
Unit 1	58	50
Unit 2	210	190
Unit 3	210	190
	478	430
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	160
Unit 4	210	200
Unit 5	210	180
Unit 6	250	245
	940	831
Chandrapur		
Unit 1	210	150
Unit 2	210	170
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	110
	305	110
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	610
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	205
Unit 4	210	180
Unit 5	210	200
	870	775
Uran		
All Units	852	480
	852	480
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	55
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	280
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	1500
RGPPPL III	740	
	1700	1500
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3207
	3143	3207