



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Jan/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.986	2344.051	1) Madhya Pradesh	61.484	1105.347
2) Hydro	9.509	170.032	2) Gujrat	25.063	387.805
3) Gas	13.691	258.512	3) Goa	-7.284	-124.422
Total MSGENCO	141.186	2772.595	4) TAPS 1&2 (Inj.)	3.666	65.955
B) OTHERS			5) Pench (Excess)	-0.499	-7.595
1) RGPPL Gas	28.132	494.943	# Total Cent. Sector	82.430	1427.090
2) Wind Generation	1.982	53.845	F) Other Exchanges		
3) PENCH (MS)	0.499	7.595	1) With TPCL	-5.327	-77.888
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.640	407.178	1) MSEDCL Bilateral	7.205	127.140
2) TPCL Hydro	6.275	96.698	Include PX	1.241	13.649
TOTAL TPCL	27.915	503.876	2) MUMBAI Bilateral	6.062	89.745
3) REL Thermal	12.714	241.473	Include PX	3.807	48.139
D) STATE			3) MUMBAI Schedule	6.062	90.745
1) Thermal (A1+C1+C3)	152.340	2992.702	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	16.283	274.325	1) MSEDCL	248.902	4678.180
3) Gas (A3+B1)	41.823	753.455	2) TPCL	29.906	534.658
4) Wind (B2)	1.982	53.845	3) REL	16.048	288.862
TOTAL STATE	212.428	4074.327	TOTAL STATE	294.856	5501.700

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	5004	4953	4770
MSGENCO Hydro	564	1234	223
MSGENCO Gas	483	561	654
MSGENCO Total Generation	6051	6748	5647
Central Sector Receipt	3993	3673	2702
RGPPL	1269	1282	1018
WIND	89	92	62
Exchange with TPCL	-430	-373	-5
MSEDCL DEMAND MET	10999	11482	9424
Load Shedding	3360	3569	1247
MSEDCL DEMAND (INCL. LS)	14359	15051	10671
TPCL GENERATION	1420	1428	722
REL GENERATION	528	527	532
TPCL+REL DEMAND	2378	2328	1259
STATE DEMAND MET	13377	13810	10683
STATE DEMAND (INCL. LS)	16737	17379	11930
Frequency (Hz)	49.42	49.55	50.09
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4394 MW AT 19.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			78.04 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.39 Hz at 09.05 Hrs	48.95 Hz at 14.48 Hrs	49.66	.13 % 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 19/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	30.75	0	0	0
Unit 2	1.74	30.77	82	65	60
Unit 3	0.00	10.30	0	0	0
Unit 4	1.89	25.36	86	70	70
Unit 5	3.20	66.47	146	124	130
Unit 6	3.74	60.50	162	148	150
Unit 7	0.00	46.91	0	0	0
	10.58	271.06			410
Bhusawal					
Unit 1	1.14	16.58	52	39	50
Unit 2	4.43	67.81	195	175	190
Unit 3	4.44	82.62	190	180	190
	10.00	167.01			430
Parli					
Unit 1	0.61	10.65	26	25	23
Unit 2	0.57	10.38	25	22	23
Unit 3	3.27	54.93	149	123	160
Unit 4	4.51	87.69	203	160	200
Unit 5	4.04	75.51	183	126	185
Unit 6	4.04	99.98	227	0	235
	17.03	339.15			826
Chandrapur					
Unit 1	3.32	63.70	144	127	150
Unit 2	3.93	64.42	172	148	160
Unit 3	4.08	75.72	185	149	210
Unit 4	4.40	68.35	196	148	210
Unit 5	10.28	197.25	450	400	450
Unit 6	9.94	190.57	430	405	450
Unit 7	9.80	191.36	440	351	450
	45.75	851.37			2080
Paras					
Unit 2	0.00	15.48	0	0	0
Unit 3	2.58	76.03	118	96	92
	2.58	91.51			92
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.60	87.17	199	181	190
Unit 3	4.53	92.73	198	178	185
Unit 4	4.63	91.60	212	179	195
	13.76	294.10			570
Nasik					
Unit 1	2.19	36.51	97	85	95
Unit 2	1.81	36.49	92	0	60
Unit 3	4.93	91.32	210	194	205
Unit 4	4.62	89.90	202	167	205
Unit 5	4.74	75.64	204	187	200
	18.28	329.85			765
Uran					
All Units	13.69	258.51	677	476	470
	13.69	258.51			470
Koyna					
Stage 1-2	2.24	33.42	260	35	530
Stage 4	1.87	45.70	650	0	250
Kovna 12&4 Total	4.11	79.12			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.88	16.96	80	0	320
	4.98	96.08			1100
Hydro					
KDPH	0.47	6.53	20	19	20
VTRNA	0.58	4.99	61	0	62
TILLARI	0.36	7.02	60	0	60
BHTGR/VEER	1.46	23.14	61	61	62
BHIRA T.R.	0.26	4.80	80	0	80
RNGR+BHTSA	0.29	5.89	12	12	12
BHANDARDRA	0.00	6.03	0	0	0
ELDARY	0.00	0.71	0	0	0
PAITHAN	0.06	1.02	10	0	10
GHATGHAR	1.04	13.81	125	0	0
	4.52	73.95			306
PENCH (MS)					
Pench (MS)	0.50	7.60	60	0	0
	0.50	7.60			0
Wind					
MalharPeth	0.13	2.19			
Vankuswadi	0.26	5.50			
ATIT	0.06	1.11			
Kale	0.06	1.74			
Satara	0.13	2.28			
Shirala	0.07	1.91			
K Mahankal	0.03	1.37			
Supa	0.07	1.40			
Vita	0.46	10.05			
Dondaicha	0.27	15.21			
Sakri	0.03	2.00			
Nandurbar	0.03	1.70			
Khadakale	0.11	4.20			
Khaparale	0.27	3.18			
	1.98	53.84			
Dabhol					
RGPP L II	28.13	494.94	1297	1016	1250
RGPP L III	0.00	0.00	0	0	0
	28.13	494.94			1250
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	11.58	201.45	510	375	500
Trombay 7A	2.92	51.91	127	117	120
Trombay 7B	1.64	29.86	70	65	60
Trombay 8	5.50	104.27	250	150	250
TATA Hydro	6.28	96.70	481	0	447
	27.92	503.88			1377
REL					
1&2	12.71	241.47	532	527	500
	12.71	241.47			500
Cent Sect					
Share					3295
					3295

MS PG CL	Thermal	117.99	2344.05		5173
	Thml+Gas	131.68	2602.56		5643
	Hydro	9.51	170.03		1406
	Total	141.19	2772.60		7049
State Total		212.43	4074.33		13471

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	4620	218	651	5489	1266	69	2672	2629	-48	-14	9439	1849	11288	1439	12727	49.83
2	4670	211	654	5535	1016	73	2672	2791	-48	-8	9407	1846	11253	1334	12587	50.03
3	4690	206	653	5549	1018	66	2672	2680	-48	-4	9309	1410	10719	1289	12008	50.08
4	4770	223	654	5647	1018	62	2672	2702	-48	-5	9424	1247	10671	1259	11930	50.09
5	4851	213	655	5719	1028	65	2673	2930	-48	-15	9727	1653	11380	1268	12648	49.93
6	4869	423	675	5967	1028	65	2773	3122	-48	-16	10179	2479	12658	1324	13982	49.93
7	4935	278	677	5890	1030	88	3127	2961	40	80	10076	3104	13180	1497	14677	49.69
8	5013	238	624	5875	1028	102	3127	3102	40	65	10199	3561	13760	1624	15384	49.53
9	5016	277	517	5810	1027	113	3103	2926	36	66	9969	3698	13667	1818	15485	49.57
10	5064	272	514	5850	1023	92	3504	3668	-260	-228	10435	3672	14107	2144	16251	49.79
11	5012	385	496	5893	1059	100	3754	3958	-386	-348	10695	3295	13990	2305	16295	49.48
12	5004	564	483	6051	1269	89	3825	3993	-463	-430	10999	3360	14359	2378	16737	49.42
13	5006	197	483	5686	1266	48	3822	4164	-463	-443	10738	3302	14040	2341	16381	49.46
14	4930	247	481	5658	1266	41	3835	4438	-463	-441	10979	3327	14306	2282	16588	49.48
15	4890	409	479	5778	1266	38	3841	3855	-463	-446	10491	3426	13917	2307	16224	49.44
16	4852	430	476	5758	1267	40	3882	3963	-510	-489	10579	3170	13749	2321	16070	49.41
17	4908	477	566	5951	1273	49	3860	4071	-510	-494	10903	3175	14078	2302	16380	49.50
18	4934	547	576	6057	1275	55	3811	3816	-463	-444	10812	2824	13636	2276	15912	49.49
19	4975	1194	588	6757	1276	80	3380	3766	-371	-361	11578	3389	14967	2316	17283	49.46
20	4953	1234	561	6748	1282	92	3502	3673	-395	-373	11482	3569	15051	2328	17379	49.55
21	5019	582	529	6130	1282	116	3407	3820	-277	-241	11122	3312	14434	2190	16624	49.55
22	5026	364	519	5909	1284	181	3160	3214	-230	-189	10399	3324	13723	2050	15773	49.59
23	5009	193	564	5766	1288	149	3237	3102	-316	-278	10027	3068	13095	1838	14933	49.62
24	4970	127	616	5713	1297	109	3233	3086	-316	-271	9934	2227	12161	1726	13887	49.94
MUs	117.99	9.51	13.69	141.19	28.13	1.98	79.54	82.43	-6.06	-5.33	248.90	69.29	318.19	45.96	364.14	49.66

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 19/Jan/2010

Position as on 6.30 Hrs of 20/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
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		Continued.	Tripped on AC O/V at Excitation Trf.	20/01/2010
Paras Unit 2	55	16/01/2010	08.10		Continued.	Due to BFP Junction Box Flashover.	23/01/2010
Nasik Unit 2	125	16/01/2010	14.25	19/01/2010	02.20	Boiler Tube Leakage.	
Cent_Sect TARAPUR-4	540	16/01/2010	20:18	19/01/2010	00.30	Reactor Collent Problem.	
Koradi Unit 1	105	17/01/2010	14.26		Continued.	Boiler Tube Leakage.	20/01/2010
Parli Unit 6	250	18/01/2010	18.18	19/01/2010	01.45	Flame Failure	
Dabhol 1B	230	19/01/2010	00.22		Continued.	Withdrawn	
Dabhol 1A	230	19/01/2010	00.28	19/01/2010	04.14	Circulating water pump tripped	
Dabhol 1X	290	19/01/2010	00.28	19/01/2010	10.28	Circulating water pump tripped	
Uran Unit 8	108	19/01/2010	07:52	19/01/2010	15:59	Prefilter replacement.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Jan/2010

Position as on 6.30 Hrs of 20/Jan/2010

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	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	13/01/2010	09:58	19/01/2010	10:56	System Constraint,Charged from A'bad end only.
Kolhapur-Mapusa Ckt I	19/01/2010	01.01	19/01/2010	09:52	Over Voltage
Akola - Aurangabad - I	20/01/2010	00:45		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type TRIPPED		
Badnera - Deoli (PGCIL)	19/01/2010	00:01	19/01/2010	18:18	New line I/S.
Wardha - Deoli (PGCIL)	19/01/2010	00:01	19/01/2010	19:16	New line I/S.
TAPS-BORIVALI	19/01/2010	14:02	19/01/2010	14:28	Tripped on Distance Protection.
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 GCL make breaker
400/220kv 315MVA ICT-II at Karad.	18/01/2010	10.01		Continued.	Overhauling of R phase unit of ICT-II
Main Bus-I at Jejuri	18/01/2010	10.16		Continued.	ICT-II Bay testing and commissioning work
400/220KV 105MVA Spare ICT at Nagothane	19/01/2010	09:51		Continued.	PRV Replacement work.
Parly - Chandrapur - II	19/01/2010	10:19		Continued.	Replacement of Bus - I PG Isolator Assembly line on TBC.
400/220 KV 315 MVA ICT at Akola	19/01/2010	11:25		Continued.	TRCC Panel Commissioning work.
400/220 KV 315 MVA ICT - I at Aurangabad	19/01/2010	12:32	19/01/2010	16:49	Measurement of CRM, DCRM and Timeming of Breaker H V side 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
Wardha-Badnera	18/01/2010	09.08	19/01/2010	18:18	Jumpering work of 220KV LILO on Wardha-Badnera
Mudshingi - Karad - IV	19/01/2010	08:30	19/01/2010	15:22	Replacement of insulators.
ONGC-Panvel TSS	19/01/2010	09:35	19/01/2010	16:25	To attend B ph CT leakage.
Mahad-Nagothane	19/01/2010	09:41	19/01/2010	19:00	Bay maint. work, CRM of breaker.
Parli-Usmanabad	19/01/2010	09:56	19/01/2010	22:11	CT (3 nos) Replacement work at Usmanabad end.
220/132 KV 150 MVA ICT-I at Dhule	19/01/2010	15:40		Continued.	Main CKT Breaker New Commissioning work.ICT on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	07/01/2010	18.04		Continued.	H/T, System Constraint.
Dhule - Babhaleshwar - I	19/01/2010	13:44	19/01/2010	14:05	To change over from Bus I to II.
Dhule-Bblswr-II	19/01/2010	14:11	19/01/2010	14:25	To change over from Bus II to I.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Parli-Usmanabad	19/01/2010	22:12		Continued.	H/T due to Heavy Sparking on line Isolator.
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Jan/2010

Position as on 6.30 Hrs of 20/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Dhule - Malegaon	19/01/2010	03.05	19/01/2010	04.02	Distance protection
Padgha-Boiser(PGCIL)	19/01/2010	05.08	19/01/2010	06.16	Distance Protection
Dhule - Dondaicha - I	19/01/2010	18:15	19/01/2010	22:36	Pole discrepancy problem at Dhule end.
Nagothane-Mahad	19/01/2010	19:01	20/01/2010	00:53	Tripped on Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Nasik - Ranwad	19/01/2010	04.04	19/01/2010	09:06	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	65
Unit 3	105	0
Unit 4	105	80
Unit 5	200	125
Unit 6	210	155
Unit 7	210	0
	1040	425
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	235
	940	821
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	210
Unit 4	210	210
Unit 5	500	400
Unit 6	500	450
Unit 7	500	450
	2340	2030
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	160
Unit 4	210	205
Unit 5	210	200
	870	755
Uran		
All Units	852	480
	852	480
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	40
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	15
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		
RGPL II	960	1230
RGPL III	740	
	1700	1230
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	3182
	3143	3182