



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Jan/2010 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.753	2588.483	1) Madhya Pradesh	53.682	1215.588
2) Hydro	6.155	183.764	2) Gujrat	27.186	441.184
3) Gas	10.648	280.664	3) Goa	-6.488	-138.390
Total MSGENCO	139.556	3052.911	4) TAPS 1&2 (Inj.)	3.657	73.273
B) OTHERS			5) Pench (Excess)	-0.790	-8.861
1) RGPPL Gas	38.044	566.125	# Total Cent. Sector	77.247	1582.794
2) Wind Generation	2.719	60.310	F) Other Exchanges		
3) PENCH (MS)	0.790	8.861	1) With TPCL	-9.121	-92.394
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	17.817	446.780	1) MSEDCL Bilateral	7.151	141.497
2) TPCL Hydro	6.906	110.205	Include PX	1.241	16.130
TOTAL TPCL	24.723	556.985	2) MUMBAI Bilateral	5.906	101.267
3) REL Thermal	12.700	266.889	Include PX	3.807	55.311
D) STATE			3) MUMBAI Schedule	9.631	106.217
1) Thermal (A1+C1+C3)	153.270	3302.152	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	13.851	302.830	1) MSEDCL	249.235	5178.607
3) Gas (A3+B1)	48.692	846.789	2) TPCL	30.444	595.347
4) Wind (B2)	2.719	60.310	3) REL	16.099	321.201
TOTAL STATE	218.532	4512.081	TOTAL STATE	295.778	6095.155

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	5084	5097	5086
MSGENCO Hydro	445	655	128
MSGENCO Gas	418	383	496
MSGENCO Total Generation	5947	6135	5710
Central Sector Receipt	3705	3620	2281
RGPPL	1558	1591	1603
WIND	115	94	183
Exchange with TPCL	-727	-414	-35
MSEDCL DEMAND MET	10648	11079	9742
Load Shedding	3464	3825	0
MSEDCL DEMAND (INCL. LS)	14112	14904	9742
TPCL GENERATION	1158	1412	794
REL GENERATION	527	527	531
TPCL+REL DEMAND	2412	2353	1360
STATE DEMAND MET	13060	13432	11102
STATE DEMAND (INCL. LS)	16524	17257	11102
Frequency (Hz)	49.41	49.74	50.00
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3917 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			59.64 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.18 Hz at 03.24 Hrs	49.02 Hz at 09.21 Hrs	49.68	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 21/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.87	33.36	82	71	70
Unit 2	1.76	34.26	76	70	70
Unit 3	0.00	10.30	0	0	0
Unit 4	1.84	29.13	82	73	80
Unit 5	3.15	72.91	140	125	140
Unit 6	3.72	68.03	168	136	160
Unit 7	3.99	51.43	190	125	160
	16.33	299.42			680
Bhusawal					
Unit 1	1.20	18.91	54	47	50
Unit 2	4.47	76.74	194	160	190
Unit 3	4.42	91.55	190	165	190
	10.10	187.20			430
Parli					
Unit 1	0.56	11.78	24	22	23
Unit 2	0.54	11.48	24	22	23
Unit 3	3.44	61.77	152	135	160
Unit 4	4.22	96.21	198	158	200
Unit 5	4.11	83.69	180	157	180
Unit 6	5.39	110.79	240	191	245
	18.26	375.71			831
Chandrapur					
Unit 1	3.16	70.07	140	105	150
Unit 2	3.84	72.22	168	147	170
Unit 3	4.25	84.44	200	137	210
Unit 4	4.67	77.58	203	185	210
Unit 5	10.46	217.93	455	410	450
Unit 6	9.74	210.21	425	378	450
Unit 7	10.33	211.51	445	409	450
	46.45	943.96			2090
Paras					
Unit 2	0.00	15.48	0	0	0
Unit 3	2.64	81.34	120	104	110
	2.64	96.82			110
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.59	96.38	197	170	190
Unit 3	1.90	99.31	214	0	210
Unit 4	4.93	101.32	214	190	210
	11.42	319.61			610
Nasik					
Unit 1	1.50	40.01	70	59	95
Unit 2	2.16	40.85	95	85	95
Unit 3	4.86	101.11	212	182	205
Unit 4	4.32	98.57	187	170	180
Unit 5	4.72	85.22	206	170	200
	17.56	365.76			775
Uran					
All Units	10.65	280.66	501	320	480
	10.65	280.66			480
Koyna					
Stage 1-2	1.60	36.75	205	30	530
Stage 4	0.83	47.02	372	0	250
Koyna 12&4 Total	2.43	83.77			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.34	17.99	140	0	240
	2.78	101.76			1020
Hydro					
KDPH	0.00	6.63	0	0	0
VTRNA	0.50	6.07	61	0	60
TILLARI	0.37	7.77	60	0	60
BHTGR/VEER	1.56	26.28	66	65	55
BHIRA T.R.	0.43	5.54	81	0	80
RNGR+BHTSA	0.33	6.55	14	13	15
BHANDARDRA	0.00	6.03	0	0	0
ELDARY	0.00	0.71	0	0	0
PAITHAN	0.06	1.14	9	0	10
GHATGHAR	0.13	15.28	70	0	0
	3.38	82.01			280
PENCH (MS)					
Pench (MS)	0.79	8.86	54	0	
	0.79	8.86			
Wind					
MalharPeth	0.11	2.50			
Vankuswadi	0.35	6.35			
ATIT	0.06	1.24			
Kale	0.10	1.99			
Satara	0.10	2.55			
Shirala	0.11	2.15			
K Mahankal	0.13	1.82			
Supa	0.07	1.54			
Vita	0.66	11.71			
Dondaicha	0.50	16.28			
Sakri	0.09	2.18			
Nandurbar	0.08	1.84			
Khadakale	0.20	4.67			
Khaparale	0.16	3.49			
	2.72	60.31			
Dabhol					
RGPP L II	38.04	566.12	1610	1549	1500
RGPP L III	0.00	0.00	0	0	
	38.04	566.12			1500
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	7.76	220.98	510	0	500
Trombay 7A	2.93	57.72	126	117	120
Trombay 7B	1.64	33.13	69	67	60
Trombay 8	5.49	115.26	250	150	250
TATA Hydro	6.91	110.20	481	0	447
	24.72	556.98			1377
REL					
1&2	12.70	266.89	533	525	500
	12.70	266.89			500
Cent Sect					
Share					3207
					3207

MS PG CL	Thermal	122.75	2588.48		5526
	Thml+Gas	133.40	2869.15		6006
	Hydro	6.16	183.76		1300
	Total	139.56	3052.91		7306
State Total		218.53	4512.08		13890

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	5285	118	496	5899	1592	127	2823	2160	-43	-40	9738	0	9738	1516	11254	49.90
2	5131	123	497	5751	1601	154	2823	2444	-43	-30	9920	0	9920	1415	11335	49.94
3	5086	128	496	5710	1603	183	2823	2281	-43	-35	9742	0	9742	1360	11102	50.00
4	5081	118	496	5695	1608	198	2823	2326	-43	-26	9801	0	9801	1327	11128	49.99
5	5109	118	497	5724	1610	203	2824	2315	-43	-27	9825	0	9825	1330	11155	49.87
6	5214	118	497	5829	1600	159	2914	2850	-43	-30	10408	2283	12691	1391	14082	49.82
7	5324	119	501	5944	1605	145	3211	2678	49	16	10388	2869	13257	1466	14723	49.71
8	5307	119	501	5927	1599	159	3211	3083	-226	-221	10597	3103	13700	1678	15378	49.59
9	5288	188	501	5977	1592	157	3205	2984	-430	-417	10343	3375	13718	1873	15591	49.51
10	5119	320	490	5929	1575	154	3501	3435	-726	-716	10427	3508	13935	2164	16099	49.30
11	5061	435	481	5977	1569	145	3634	3785	-751	-747	10779	3293	14072	2272	16344	49.41
12	5084	445	418	5947	1558	115	3671	3655	-754	-727	10598	3464	14062	2412	16474	49.41
13	5045	218	320	5583	1550	85	3666	3779	-655	-627	10420	3369	13789	2339	16128	49.41
14	5056	284	320	5660	1549	54	3664	3774	-655	-625	10462	3410	13872	2280	16152	49.46
15	5098	119	343	5560	1561	41	3661	3891	-655	-626	10477	3454	13931	2234	16165	49.67
16	5114	119	377	5610	1572	45	3707	4078	-852	-822	10533	3277	13810	2377	16187	49.79
17	5074	184	414	5672	1568	46	3708	4169	-852	-820	10685	3308	13993	2353	16346	49.62
18	5087	426	479	5992	1573	66	3622	3967	-805	-773	10875	3017	13892	2308	16200	49.58
19	5082	863	345	6290	1588	74	3231	3566	-541	-500	11071	3637	14708	2328	17036	49.74
20	5097	655	383	6135	1591	94	3294	3567	-441	-414	11026	3825	14851	2353	17204	49.74
21	5067	507	433	6007	1588	83	3135	3436	-226	-194	10974	3544	14518	2144	16662	49.63
22	5021	186	439	5646	1596	66	3138	3102	-226	-185	10278	3555	13833	2073	15906	49.85
23	4980	111	463	5554	1594	88	3192	3119	-312	-270	10112	3133	13245	1834	15079	49.57
24	4933	134	461	5528	1602	78	3015	2821	-312	-265	9764	1091	10855	1717	12572	49.77
MUs	122.74	6.16	10.65	139.55	38.04	2.72	78.50	77.26	-9.63	-9.12	249.24	60.52	309.76	46.54	356.30	49.68

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 21/Jan/2010

Position as on 6.30 Hrs of 22/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
Paras Unit 2	55	16/01/2010	08.10	22/01/2010	20.22	Due to BFP Junction Box Flashover.	
Tata Trombay 6	500	21/01/2010	06.46	21/01/2010	10.23	Drum level low.	
Khaparkheda Unit 3	210	21/01/2010	09.30	22/01/2010	13.23	Boiler Tube Leakage.	
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.	
Cent_Sect NTPC(V-4)	210	21/01/2010	17.20	22/01/2010	19:01	Boiler Tube Leakage.	
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 21/Jan/2010

Position as on 6.30 Hrs of 22/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
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
400/220kv 315MVA ICT-II at Karad.	18/01/2010	10.01	22/01/2010	13.08	Overhauling of R phase unit of ICT-II
400/220KV 105MVA Spare ICT at Nagothane	19/01/2010	09:51	22/01/2010	17.32	PRV Replacement work.
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.
Bus Coupler @ Padgha	22/01/2010	09.00	22/01/2010	17.30	Replacement of Y-Ph CT.
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.
K'gaon-ONGC	22/01/2010	08.55	22/01/2010	20.15	R.M.Work
Uran-Kharghar-II	22/01/2010	09.48	22/01/2010	19.00	R.M.Work
Bale-Osmanbad	22/01/2010	10.00	22/01/2010	11.00	Line Isolator alignment work.
Ambazari-Amravati	22/01/2010	12.31	22/01/2010	15.23	carrying out signature Test.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon - Mhasale	21/01/2010	11.00	21/01/2010	16.45	Replacement of insulator.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
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

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jan/2010

Position as on 6.30 Hrs of 22/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
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		
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		
Gangakhed - Kandhar	21/01/2010	14.25	22/01/2010	15:15	Tripped on Dist.Prot.
Harangul - Nilanga	22/01/2010	04.22	22/01/2010	04.35	Tripped on distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	0
Unit 4	105	75
Unit 5	200	145
Unit 6	210	150
Unit 7	210	175
	1040	695
Bhusawal		
Unit 1	58	50
Unit 2	210	190
Unit 3	210	195
	478	435
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	160
Unit 3	210	200
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	425
	2340	2045
Paras		
Unit 2	55	0
Unit 3	250	120
	305	120
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	0
Unit 4	210	210
	840	400
Nasik		
Unit 1	120	65
Unit 2	120	95
Unit 3	210	205
Unit 4	210	190
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	240
	1920	1020
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	58
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
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	1540
RGPPPL III	740	
	1700	1540
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	3142
	3143	3142

	17616	7 of 7	13620
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