



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Jan/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.815	2226.065	1) Madhya Pradesh	57.663	1043.863
2) Hydro	10.103	160.523	2) Gujrat	18.264	362.742
3) Gas	14.084	244.821	3) Goa	-6.766	-117.138
Total MSGENCO	142.002	2631.409	4) TAPS 1&2 (Inj.)	3.671	62.289
B) OTHERS			5) Pench (Excess)	-0.877	-7.096
1) RGPPL Gas	35.110	466.811	# Total Cent. Sector	71.955	1344.660
2) Wind Generation	1.624	51.863	F) Other Exchanges		
3) PENCH (MS)	0.877	7.096	1) With TPCL	-5.524	-72.561
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	20.816	385.538	1) MSEDCL Bilateral	7.205	119.935
2) TPCL Hydro	5.903	90.423	Include PX	1.241	12.408
TOTAL TPCL	26.719	475.961	2) MUMBAI Bilateral	6.431	83.683
3) REL Thermal	12.708	228.759	Include PX	4.042	44.332
D) STATE			3) MUMBAI Schedule	6.431	84.683
1) Thermal (A1+C1+C3)	151.339	2840.362	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	16.883	258.042	1) MSEDCL	246.044	4429.278
3) Gas (A3+B1)	49.194	711.632	2) TPCL	29.184	504.752
4) Wind (B2)	1.624	51.863	3) REL	15.764	272.814
TOTAL STATE	219.040	3861.899	TOTAL STATE	290.992	5206.844

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	4986	4655	4909
MSGENCO Hydro	417	1240	208
MSGENCO Gas	592	626	550
MSGENCO Total Generation	5995	6521	5667
Central Sector Receipt	3566	3325	2305
RGPPL	1311	1609	1531
WIND	65	67	90
Exchange with TPCL	-436	-420	-1
MSEDCL DEMAND MET	10551	11152	9592
Load Shedding	3535	3620	0
MSEDCL DEMAND (INCL. LS)	14086	14772	9592
TPCL GENERATION	1404	1342	676
REL GENERATION	528	528	531
TPCL+REL DEMAND	2368	2290	1208
STATE DEMAND MET	12919	13442	10800
STATE DEMAND (INCL. LS)	16454	17062	10800
Frequency (Hz)	49.51	49.44	50.19
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4127 MW at 19.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			64.58 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.37 Hz at 03.17 Hrs	48.92 Hz at 14.52 Hrs	49.63	.46 % 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 18/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	1.69	29.03	75	63	70
Unit 3	0.00	10.30	0	0	0
Unit 4	1.86	23.46	87	68	70
Unit 5	3.21	63.27	148	119	130
Unit 6	3.80	56.75	167	143	140
Unit 7	0.00	46.91	0	0	0
	10.56	260.48			410
Bhusawal					
Unit 1	1.13	15.44	54	40	50
Unit 2	4.39	63.38	190	159	190
Unit 3	4.37	78.18	190	164	190
	9.89	157.00			430
Parli					
Unit 1	0.57	10.05	25	20	23
Unit 2	0.56	9.82	24	21	23
Unit 3	3.77	51.66	169	143	160
Unit 4	4.68	83.18	212	169	200
Unit 5	4.17	71.48	183	163	185
Unit 6	3.85	95.94	230	0	230
	17.59	322.12			821
Chandrapur					
Unit 1	3.13	60.37	146	112	150
Unit 2	3.82	60.49	176	136	170
Unit 3	4.37	71.65	193	170	210
Unit 4	4.54	63.95	198	179	200
Unit 5	10.54	186.98	453	422	450
Unit 6	10.02	180.62	440	390	450
Unit 7	9.86	181.56	452	342	450
	46.28	805.62			2080
Paras					
Unit 2	0.00	15.48	0	0	0
Unit 3	2.52	73.45	119	93	100
	2.52	88.93			100
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.56	82.57	201	179	190
Unit 3	4.96	88.20	214	188	210
Unit 4	5.02	86.97	216	198	210
	14.54	280.34			610
Nasik					
Unit 1	2.22	34.32	98	86	95
Unit 2	0.00	34.69	0	0	0
Unit 3	4.86	86.38	212	195	205
Unit 4	4.64	85.28	202	172	205
Unit 5	4.72	70.90	204	186	200
	16.43	311.57			705
Uran					
All Units	14.08	244.82	654	503	580
	14.08	244.82			580
Koyna					
Stage 1-2	1.64	31.18	315	25	530
Stage 4	2.83	43.82	552	0	250
Koyna 12&4 Total	4.47	75.01			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.91	16.09	80	74	320
	6.39	91.10			1100
Hydro					
KDPH	0.47	6.06	20	19	20
VTRNA	0.50	4.40	62	0	60
TILLARI	0.36	6.66	60	0	60
BHTGR/VEER	1.47	21.67	62	61	68
BHIRA T.R.	0.22	4.54	82	0	80
RNGR+BHTSA	0.29	5.60	12	12	12
BHANDARDRA	0.00	6.03	0	0	0
ELDARY	0.00	0.71	0	0	0
PAITHAN	0.06	0.97	10	0	10
GHATGHAR	0.35	12.78	125	0	0
	3.72	69.43			310
PENCH (MS)					
Pench (MS)	0.88	7.10	53	0	
	0.88	7.10			
Wind					
MalharPeth	0.05	2.06			
Vankuswadi	0.20	5.24			
ATIT	0.03	1.04			
Kale	0.02	1.68			
Satara	0.08	2.15			
Shirala	0.02	1.84			
K Mahankal	0.02	1.34			
Supa	0.06	1.33			
Vita	0.33	9.59			
Dondaicha	0.45	14.94			
Sakri	0.05	1.97			
Nandurbar	0.04	1.67			
Khadakale	0.09	4.09			
Khaparale	0.17	2.92			
	1.62	51.86			
Dabhol					
RGPP L II	35.11	466.81	1631	1296	1200
RGPP L III	0.00	0.00	0	0	
	35.11	466.81			1200
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	10.69	189.87	510	300	500
Trombay 7A	2.98	48.99	128	120	120
Trombay 7B	1.65	28.22	70	68	60
Trombay 8	5.50	98.77	250	150	250
TATA Hydro	5.90	90.42	481	0	447
	26.72	475.96			1377
REL					
1&2	12.71	228.76	532	526	500
	12.71	228.76			500
Cent Sect					
Share					3267
					3267

MS PG CL	Thermal	117.82	2226.06		5156
	Thml+Gas	131.90	2470.89		5736
	Hydro	10.10	160.52		1410
	Total	142.00	2631.41		7146
State Total		219.04	3861.90		13490

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/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	5028	218	546	5792	1347	44	2559	2286	-52	-7	9462	100	9562	1422	10984	49.97
2	4993	213	546	5752	1355	74	2523	2380	-52	-3	9558	0	9558	1271	10829	50.03
3	4907	208	546	5661	1424	86	2523	2410	-52	2	9583	0	9583	1245	10828	50.10
4	4909	208	550	5667	1531	90	2523	2305	-52	-1	9592	0	9592	1208	10800	50.19
5	5012	198	559	5769	1336	93	2524	2408	-52	-9	9597	1172	10769	1186	11955	49.91
6	5034	209	560	5803	1312	106	2684	2697	-52	-19	9946	2383	12329	1257	13586	49.55
7	5076	214	568	5858	1310	96	2991	2313	36	67	9694	3122	12816	1473	14289	49.52
8	5080	224	604	5908	1307	101	2991	2545	36	76	9987	3516	13503	1600	15103	49.39
9	5079	277	610	5966	1307	78	3032	2764	-11	26	10191	3737	13928	1794	15722	49.40
10	5063	340	602	6005	1298	57	3406	3172	-307	-262	10320	3774	14094	2129	16223	49.40
11	5041	483	597	6121	1296	55	3613	3469	-410	-368	10623	3415	14038	2314	16352	49.62
12	4986	417	592	5995	1311	65	3700	3566	-487	-436	10551	3535	14086	2368	16454	49.51
13	4938	447	567	5952	1334	44	3690	3715	-487	-447	10648	3520	14168	2279	16447	49.34
14	4974	476	521	5971	1557	35	3659	3334	-463	-431	10519	3549	14068	2220	16288	49.51
15	4974	322	601	5897	1592	44	3677	3371	-463	-424	10533	3560	14093	2267	16360	49.49
16	4956	307	638	5901	1594	35	3697	3506	-510	-469	10617	3284	13901	2265	16166	49.44
17	4919	427	646	5992	1602	36	3643	3616	-510	-473	10823	3291	14114	2255	16369	49.55
18	4905	537	646	6088	1599	63	3657	3652	-510	-478	10974	2980	13954	2237	16191	49.38
19	4689	1067	654	6410	1603	71	3260	3322	-394	-360	11096	3498	14594	2257	16851	49.36
20	4655	1240	626	6521	1609	67	3314	3325	-468	-420	11152	3620	14772	2290	17062	49.44
21	4659	940	503	6102	1612	55	3126	3052	-277	-258	10613	3367	13980	2130	16110	49.48
22	4666	648	530	5844	1623	62	3112	3120	-260	-239	10457	3386	13843	2013	15856	49.85
23	4677	276	624	5577	1620	91	3161	2893	-316	-297	9911	2980	12891	1796	14687	49.70
24	4592	207	648	5447	1631	76	2997	2734	-316	-294	9594	2039	11633	1675	13308	50.00
MUs	117.81	10.10	14.08	142.00	35.11	1.62	76.06	71.96	-6.43	-5.52	246.04	63.83	309.87	44.95	354.82	49.63

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 18/Jan/2010

Position as on 6.30 Hrs of 19/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
Koyna Unit 2	75	03/01/2010	08:00	18/01/2010	19:50	checking bearing vibration & realignment work.	19/01/2010
Khaparkhedda 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
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
Dabhol 1B	230	18/01/2010	03.50	18/01/2010	11.00	High Exhaust Temp.Spread.	
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 18/Jan/2010

Position as on 6.30 Hrs of 19/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
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
Nasik-Padgha	16/01/2010	08.34	18/01/2010	21.04	Conductor Replacement Work.
Pedambe-Mahad	18/01/2010	08.25	18/01/2010	19.00	Replacement of damaged earthwire and Insulator
Wardha-Badnera	18/01/2010	09.08	19/01/2010	18:18	Jumpering work of 220KV LILO on Wardha-Badnera
New-Koyna-Pawas	18/01/2010	09.24	18/01/2010	13.36	Attenuating Hot Spot at R phase Wave Trap
Talangade - Mumewadi	18/01/2010	10.33	18/01/2010	15.55	Completion of LILO work of 220KV Kolhapur-Ponda line
Momewadi-Halkarni	18/01/2010	16.24	18/01/2010	18.05	For LILO work
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 : 132KV			Outage Type FORCED OUTAGE		
Bhusawal-Yawal Ckt.	18/01/2010	01.06	18/01/2010	12.01	Earth Strip of R phase CC broken

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Jan/2010

Position as on 6.30 Hrs of 19/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
132 KV Bus at Paras	18/01/2010	04.20	18/01/2010	4:30	tripped stn transformer III at Paras "Y" Phase-E fault.
Paras-Malkapur	18/01/2010	04.20	18/01/2010	05.15	Tripped at other end.
Paras - Akot	18/01/2010	04.20	18/01/2010	05.17	Tripped at other end.
Paras-Akola-I	18/01/2010	04.20	18/01/2010	04.42	Tripped at other end.
Paras-Akola-II	18/01/2010	04.20	18/01/2010	04.43	Tripped at other end.
Paras-Malegaon	18/01/2010	04.20	18/01/2010	04.50	Tripped at other end.
PARAS-WARWAT BAKAL CKT.	18/01/2010	04.20	18/01/2010	04.55	Tripped at other end.
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		
220/132KV 100MVA ICT-I at Parly-II	18/01/2010	10.09	18/01/2010	10.22	Isolator Alignment
Chandrapur-Gadchandur	18/01/2010	10.58	18/01/2010	11.26	R phase Over Current
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.
Voltage Level : 132KV			Outage Type TRIPPED		
Akola - Paras-II	18/01/2010	04.20	18/01/2010	04.43	Tripped on Back-Up at remote end
Akola - Paras - I	18/01/2010	04.20	18/01/2010	04.42	Tripped on Back-Up at remote end
132/3.3KV 6 MVA Stn.T/F-III at Paras	18/01/2010	04.20	18/01/2010	17.50	Y phase E/F
Khamgaon - Warwatbakal	18/01/2010	04.20	18/01/2010	04.55	Tripped on Back-UP at Remote end
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 19/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	60
Unit 3	105	0
Unit 4	105	70
Unit 5	200	130
Unit 6	210	150
Unit 7	210	0
	1040	410
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	185
Unit 6	250	235
	940	826
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2080
Paras		
Unit 2	55	0
Unit 3	250	92
	305	92
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	185
Unit 4	210	195
	840	570
Nasik		
Unit 1	120	95
Unit 2	120	60
Unit 3	210	205
Unit 4	210	205
Unit 5	210	200
	870	765
Uran		
All Units	852	470
	852	470
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	20
VTRNA	60	62
TILLARI	60	60
BHTGR/VEER	21	62
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	306
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	1250
RGPPPL III	740	0
	1700	1250
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	3295
	3143	3295

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