



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Apr/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	100.373	2274.740	1) Madhya Pradesh	56.222	1028.724
2) Hydro	29.357	583.747	2) Gujrat	27.277	534.451
3) Gas	16.464	302.459	3) Goa	-6.761	-136.336
Total MSGENCO	146.194	3160.946	4) TAPS 1&2 (Inj.)	7.143	119.691
B) OTHERS			5) Pench (Excess)	-0.240	-6.030
1) RGPPL Gas	36.728	733.569	# Total Cent. Sector	83.641	1540.500
2) Wind Generation	11.615	150.187	F) Other Exchanges		
3) CPP	4.400	93.113	1) With TPCL (Excess)	-8.350	-129.136
4) PENCH (MS)	0.240	6.030	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.398	130.694
1) TPCL Thermal	32.554	623.075	Include PX	0.000	17.257
2) TPCL Hydro	5.204	92.655	2) MUMBAI Bilateral	8.435	141.181
TOTAL TPCL	37.758	715.730	Include PX	1.608	12.194
3) REL Thermal	12.528	250.881	3) MUMBAI Schedule	8.985	142.771
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	145.455	3148.696	1) MSEDCL	274.468	5555.209
2) Hydro (A2+B3+C2)	34.801	682.432	2) TPCL	38.156	707.541
3) Gas (A3+B1)	53.192	1036.028	3) REL	20.480	388.174
4) Wind (B2)	11.615	150.187	TOTAL STATE	333.104	6650.924
5) CPP (B3)	4.400	93.113			
TOTAL STATE	249.463	5110.456			

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	4182	4332	4088
MSGENCO Hydro	869	1818	1213
MSGENCO Gas	668	679	710
MSGENCO Total Generation	5719	6829	6011
Central Sector Receipt	4199	3346	3071
RGPPL	1519	1526	1550
WIND	464	489	549
CPP	148	197	205
Exchange with TPCL	-558	-359	69
MSEDCL DEMAND MET	11491	12071	11455
Load Shedding	4024	4098	1962
MSEDCL DEMAND (INCL. LS)	15515	16169	13417
TPCL GENERATION	1831	1820	1358
REL GENERATION	519	524	524
TPCL+REL DEMAND	2908	2703	1813
STATE DEMAND MET	14399	14774	13268
STATE DEMAND (INCL. LS)	18423	18872	15230
Frequency (Hz)	49.26	49.21	49.37
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5530 MW at 15.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			109.40 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.2 Hz at 18.04 Hrs	48.79 Hz at 23.09 Hrs	49.27	9.02 % 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/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.58	33.98	78	47	50
Unit 2	1.30	17.49	71	37	50
Unit 3	1.73	33.65	92	54	60
Unit 4	1.50	31.31	83	10	70
Unit 5	3.55	60.16	172	134	150
Unit 6	3.62	60.86	160	118	150
Unit 7	4.30	86.94	208	142	170
	17.57	324.39			700
Bhusawal					
Unit 1	0.57	16.55	25	19	25
Unit 2	3.99	83.71	182	155	195
Unit 3	4.42	87.80	190	175	195
	8.97	188.05			415
Parli					
Unit 1	0.62	10.90	27	24	22
Unit 2	0.05	9.51	24	0	0
Unit 3	3.14	4.76	149	115	125
Unit 4	3.85	72.66	180	126	170
Unit 5	4.15	83.00	183	160	175
Unit 6	6.01	117.85	253	249	250
Unit 7	0.00	14.53	0	0	
	17.82	313.21			742
Chandrapur					
Unit 1	0.00	23.81	0	0	0
Unit 2	0.00	48.63	0	0	0
Unit 3	3.71	57.92	187	119	150
Unit 4	4.44	86.11	195	162	190
Unit 5	0.00	150.03	0	0	0
Unit 6	0.00	0.32	0	0	0
Unit 7	10.97	205.78	465	418	460
	19.13	572.60			800
Paras					
Unit 2	0.68	17.11	42	13	45
Unit 3	1.36	98.47	228	0	0
Unit 4	0.00	45.40	0	0	
	2.04	160.98			45
Khaparkheda					
Unit 1	4.67	98.04	211	164	210
Unit 2	4.31	88.22	190	162	180
Unit 3	4.36	81.16	194	165	190
Unit 4	4.51	91.18	193	173	190
	17.85	358.60			770
Nasik					
Unit 1	0.91	41.30	100	0	100
Unit 2	2.02	42.50	96	70	90
Unit 3	4.60	87.12	198	186	200
Unit 4	4.69	91.63	204	187	210
Unit 5	4.78	94.34	207	186	210
	17.00	356.90			810
Koyna					
Stage 1-2	6.00	123.50	570	40	600
Stage 4	16.06	287.11	1093	0	250
Stage 3	4.53	86.84	320	0	320
	26.59	497.45			1170
Kovna 12&4 Total	22.06	410.61			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	16.46	302.46	712	663	660	
	16.46	302.46			660	
Hydro						
KDPH	0.61	9.82	39	19	36	
VTRNA	0.00	18.83	0	0	0	
TILLARI	0.36	7.34	60	0	60	
BHTGR/VEER	0.48	5.80	21	20	10	
BHIRA T.R.	0.20	4.96	80	0	80	
RNGR+BHTSA	0.28	5.87	12	10	10	
BHANDARDRA	0.00	10.41	0	0	0	
ELDARY	0.00	1.07	0	0	0	
SMLHY PTN	0.83	15.88	41	33	21	
GHATGHAR	0.00	6.32	0	0	0	
	2.77	86.30			217	
PENCH (MS)						
Pench (MS)	0.24	6.03	50	0		
	0.24	6.03				
Wind						
MalharPeth	0.34	4.11				
Vankuswadi	0.68	8.75				
ATIT	0.23	3.75				
Kale	0.31	4.15				
Satara	0.67	5.84				
Shirala	0.20	3.68				
K Mahankal	0.00	2.67				
Supa	0.16	3.11				
Vita	0.73	16.22				
Dondaicha	4.98	61.96				
Sakri	0.90	10.35				
Nandurbar	0.68	8.65				
Khadakale	0.88	9.40				
Khaparale	0.83	7.54				
	11.62	150.19				
CPP						
TOTAL CPP	4.40	93.11				
	4.40	93.11				
Dabhol						
RGPPL	36.73	733.57	1550	1512	1520	
	36.73	733.57			1520	
Tata						
Trombay 4	0.00	0.00	0	0	0	
Trombay 5	9.96	199.18	415	415	420	
Trombay 6	12.24	217.92	510	510	500	
Trombay 7A	2.77	56.19	117	112	120	
Trombay 7B	1.55	31.56	65	63	60	
Trombay 8	6.03	118.22	255	250	250	
TATA Hydro	5.20	92.66	471	0	447	
	37.76	715.73			1797	
REL						
1&2	12.53	250.88	527	499	500	
	12.53	250.88			500	
Cent Sect						
Share					2929	
					2929	
MS PG CL	Thermal	100.37	2274.74		4282	
	Thml+Gas	116.84	2577.20		4942	
	Hydro	29.36	583.75		1387	
	Total	146.19	3160.95		6329	
State Total		249.46	5110.46		13075	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Apr/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	4123	1476	693	6292	1531	564	112	2773	2810	-232	-242	11067	2184	13251	2234	15485	48.95
2	4097	1311	701	6109	1541	499	309	2690	2888	-162	-150	11196	2130	13326	2069	15395	49.22
3	4110	1383	702	6195	1543	494	216	2623	3001	-78	-35	11414	2039	13453	1915	15368	49.21
4	4088	1213	710	6011	1550	549	205	2517	3071	33	69	11455	1962	13417	1813	15230	49.37
5	4100	1408	710	6218	1547	458	197	2491	3115	61	104	11639	2109	13748	1781	15529	49.29
6	4118	1745	709	6572	1546	462	198	2517	2875	33	27	11680	2496	14176	1860	16036	49.17
7	4124	370	712	5206	1545	403	172	2695	3109	-42	-12	10423	3675	14098	1897	15995	49.34
8	4206	148	705	5059	1542	311	157	2723	3499	-70	-64	10504	3933	14437	1968	16405	49.33
9	4263	183	693	5139	1529	313	148	2728	3390	-167	-114	10405	4197	14602	2164	16766	49.36
10	4264	288	684	5236	1525	342	152	3146	3788	-496	-451	10592	4255	14847	2511	17358	49.34
11	4206	465	679	5350	1532	469	147	3218	4131	-499	-503	11126	3987	15113	2829	17942	49.45
12	4182	869	668	5719	1519	464	148	3366	4199	-600	-558	11491	4024	15515	2908	18423	49.26
13	4111	1189	666	5966	1517	651	147	3498	4258	-732	-695	11844	3833	15677	2910	18587	49.29
14	4115	1478	665	6258	1516	460	152	3496	4108	-732	-695	11799	3697	15496	2845	18341	49.32
15	4067	1548	663	6278	1512	584	152	3451	3859	-732	-703	11682	3938	15620	2900	18520	49.25
16	4054	1390	664	6108	1513	575	184	3305	3604	-732	-694	11290	4305	15595	2947	18542	49.27
17	4131	1095	668	5894	1521	654	200	3295	3746	-727	-698	11317	4224	15541	2918	18459	49.32
18	4225	1053	676	5954	1526	586	198	3305	3849	-732	-684	11429	3807	15236	2826	18062	49.43
19	4295	1173	688	6156	1537	457	200	2696	3349	-339	-332	11367	3959	15326	2661	17987	49.64
20	4332	1818	679	6829	1526	489	197	2851	3346	-371	-359	12071	4098	16169	2703	18872	49.21
21	4357	1854	678	6889	1521	469	197	2822	3702	-339	-319	12506	3602	16108	2600	18708	49.07
22	4354	1942	686	6982	1531	409	197	2938	3563	-389	-371	12361	3429	15790	2517	18307	49.27
23	4256	2036	682	6974	1527	496	203	3044	3385	-462	-425	12210	3100	15310	2440	17750	49.13
24	4195	1922	683	6800	1531	457	212	2934	2996	-478	-446	11600	3061	14661	2420	17081	49.10
MUs	100.37	29.36	16.46	146.19	36.73	11.62	4.40	71.12	83.64	-8.98	-8.35	274.47	82.04	356.51	58.64	415.15	49.27

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)

Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 20/Apr/2010

Position as on 6.30 Hrs of 21/Apr/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)	30/04/2010
Chandrapur Unit 6	500	01/04/2010	01.15		Continued.	Annual Overhaul	30/04/2010
Cent_Sect NTPC(V-2)	210	01/04/2010	23.20		Continued.	Annual Overhaul	01/05/2010
Cent_Sect NTPC(K-1)	210	01/04/2010	23.52		Continued.	Annual Overhaul	01/05/2010
Chandrapur Unit 1	210	08/04/2010	08.36		Continued.	Annual Overhaul	03/05/2010
Dabhol 2B	230	15/04/2010	01.40		Continued.	Control System modification work	15/06/2010
Chandrapur Unit 5	500	16/04/2010	15.49		Continued.	Water Balancing Problem.	
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	W/Dn.	
Parli Unit 7	250	04/04/2010	17.16		Continued.	Flame/Failure.	23/04/2010
Cent_Sect TARAPUR-4	540	11/04/2010	09.58	21/04/2010	03.59	Reactor problem.	
Chandrapur Unit 2	210	18/04/2010	21.38		Continued.	Clinker Formation.	
Parli Unit 2	30	19/04/2010	01.20	20/04/2010	21:54	Eco.Tube Leakage.	
Paras Unit 3	250	19/04/2010	18.07	20/04/2010	16:33	Conver Belt Problem.	
Paras Unit 4	250	19/04/2010	18.14		Continued.	Conver Belt Problem.	
Nasik Unit 1	125	20/04/2010	09:40		Continued.	Boiler Tube Leakage.	24/04/2010
Cent_Sect NTPC(K-4)	500	20/04/2010	22:26		Continued.	Boiler Tube Leakage.	24/04/2010
Bhusawal Unit 3	210	21/04/2010	01.00		Continued.	I.D.Fan problem.	23/04/2010

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

Position as on 6.30 Hrs of 21/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
Akola - Wardha - I	13/04/2010	00.43		Continued.	Hand Tripped For Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	18/04/2010	00.11		Continued.	H/T For O/v.
Voltage Level : 220KV			Outage Type TRIPPED		
Kalmeshwar - Pandurna	20/04/2010	18.50	20/04/2010	19.21	Tripped on distance protection.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE I -CHDPR	19/04/2010	22.20	20/04/2010	01.42	Replacement of miniature Circuit Breaker of B-Ph Converter T/F.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli-Lonikand - II	11/04/2010	11.20		Continued.	Breaker O/H.line on TBC at Parli end.
Dabhol - Nagothane - I	15/04/2010	08.42		Continued.	For Diversion of Dabhol-Nagothane-I.
400/220KV 315MVA ICT-I at Kharghar	20/04/2010	08.34	20/04/2010	18.58	R.M.Work.
Nagothane B Bus section	20/04/2010	08.58	20/04/2010	22.08	Replacement of PG isolator,R.M.Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
220/132 KV,150 MVA ICT At Theur.	04/04/2010	13.05		Continued.	Augmentation of ICT by new 200 MVA.
220/132 KV 100 MVA ICT-II @ Chikali	07/04/2010	17.50		Continued.	Outage for replacement by 200 MVA ICT
220/132 KV,100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT to be replaced with new 200MVA ICT
220/132 KV,100MVA ICT-I at Beed	08/04/2010	09.15		Continued.	Agumentation of 100 MVA ICT by 200 MVA ICT
220/66KV,150MVA ICT-I at Gadchandur	19/04/2010	10.40	20/04/2010	20.55	Oil filtration work.
Karad-Sada Waghapur	19/04/2010	17.03	20/04/2010	10.14	To attend Red Hot.
220/132 KV 200 MVA ICT-II at Harangul	20/04/2010	07.40	20/04/2010	12.43	Q.M.Work.
Main Bus - I @ Miraj	20/04/2010	09.38	20/04/2010	17.45	Q.M.Work.
Jejuri - Baramati	20/04/2010	09.40	20/04/2010	17.30	Breaker testing .Line on TBC.
220/66 KV, 50 MVA ICT-I At Warora	20/04/2010	13.19	20/04/2010	15.30	Maintenance of LV side
Murud-Bale	20/04/2010	15.35	20/04/2010	17.15	Retrofitting of relay.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Harangul-Ujani Ckt.-I	20/04/2010	06.55	20/04/2010	14.40	Q.M.Work.
132 KV Bus at Nilanga	20/04/2010	07.30	20/04/2010	11.30	Q.M.Work.
Renapur-Latur Ckt.	20/04/2010	15.30	20/04/2010	18.50	Errection of wavetrap.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/100KV,100 MVA T/F-I at Tambati	20/04/2010	10.30	20/04/2010	17.35	Q.M.Work.
Satara,MIDC-Wankuswadi 2	20/04/2010	11.05	20/04/2010	15.25	R.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Khadka - Deepnagar - II	31/03/2010	16.13		Continued.	Handtripped

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

Position as on 6.30 Hrs of 21/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	09/04/2010	20.45		Continued.	To control A'Bad ICT Loading
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/22 KV 50 MVA T/F - I @ Airoli	02/04/2010	23.02		Continued.	Hand Tripped.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Buldhana-Motala	07/04/2010	10.00		Continued.	To control load ICT-I at 220KV Chikhali
Mehkar - Malegaon	07/04/2010	17.26		Continued.	Outage of ICT-II at Chikhali
Chikhali - Khamgaon	18/04/2010	17.35		Continued.	To Control Chikali ICT Loading.
Voltage Level : 220KV			Outage Type TRIPPED		
KANHAN - BHANDARA CKT II	20/04/2010	13.22	20/04/2010	13.48	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph C T Burst.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa - Salsette - II	20/04/2010	12.14	20/04/2010	12.22	Distance protection.
KALWA-SALSET I	20/04/2010	14.19	20/04/2010	14.25	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	55
Unit 2	105	40
Unit 3	105	40
Unit 4	105	40
Unit 5	200	140
Unit 6	210	145
Unit 7	210	150
	1040	610
Bhusawal		
Unit 1	58	25
Unit 2	210	160
Unit 3	210	0
	478	185
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	170
Unit 4	210	170
Unit 5	210	180
Unit 6	250	250
Unit 7	250	
	1190	814
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	150
Unit 4	210	150
Unit 5	500	0
Unit 6	500	0
Unit 7	500	360
	2340	660
Paras		
Unit 2	55	44
Unit 3	250	230
Unit 4	250	
	555	274
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
	840	770
Nasik		
Unit 1	120	0
Unit 2	120	95
Unit 3	210	200
Unit 4	210	210
Unit 5	210	210
	870	715
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	660

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	660
Hydro		
KDPH	40	36
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	5
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	196
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	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1520
	960	1520
Tata		
Trombay 4	150	0
Trombay 5	500	400
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1777
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2948
	3143	2948