



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Apr/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	96.659	2371.399	1) Madhya Pradesh	54.575	1083.299
2) Hydro	36.683	620.430	2) Gujrat	30.875	565.326
3) Gas	16.354	318.813	3) Goa	-6.394	-142.730
Total MSGENCO	149.696	3310.642	4) TAPS 1&2 (Inj.)	7.154	126.845
B) OTHERS			5) Pench (Excess)	-0.688	-6.718
1) RGPPL Gas	34.493	768.062	# Total Cent. Sector	85.522	1626.022
2) Wind Generation	9.500	159.687	F) Other Exchanges		
3) CPP	5.293	98.406	1) With TPCL (Excess)	-8.488	-137.624
4) PENCH (MS)	0.688	6.718	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.433	138.128
1) TPCL Thermal	32.346	655.421	Include PX	0.000	17.257
2) TPCL Hydro	5.742	98.397	2) MUMBAI Bilateral	8.915	150.096
TOTAL TPCL	38.088	753.818	Include PX	1.847	14.041
3) REL Thermal	12.529	263.410	3) MUMBAI Schedule	8.915	151.686
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	141.534	3290.230	1) MSEDCL	276.704	5831.913
2) Hydro (A2+B3+C2)	43.113	725.545	2) TPCL	38.469	746.010
3) Gas (A3+B1)	50.847	1086.875	3) REL	20.631	408.805
4) Wind (B2)	9.500	159.687	TOTAL STATE	335.804	6986.728
5) CPP (B3)	5.293	98.406			
TOTAL STATE	250.287	5360.743			

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	4113	4095	3885
MSGENCO Hydro	1428	2105	1590
MSGENCO Gas	663	680	703
MSGENCO Total Generation	6204	6880	6178
Central Sector Receipt	4151	3661	2931
RGPPL	1504	1329	1549
WIND	245	445	528
CPP	200	249	216
Exchange with TPCL	-618	-362	34
MSEDCL DEMAND MET	11711	12253	11436
Load Shedding	3965	4044	2048
MSEDCL DEMAND (INCL. LS)	15676	16297	13484
TPCL GENERATION	1797	1832	1359
REL GENERATION	520	519	523
TPCL+REL DEMAND	2935	2713	1848
STATE DEMAND MET	14646	14966	13284
STATE DEMAND (INCL. LS)	18611	19010	15332
Frequency (Hz)	49.40	49.21	49.43
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			6115 MW at 15.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			120.03 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.13 Hz at 18.04 Hrs	48.71 Hz at 21.15 Hrs	49.28	9.75 % 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 21/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.56	35.54	75	46	55
Unit 2	1.41	18.90	73	37	40
Unit 3	1.48	35.14	78	28	40
Unit 4	1.49	32.80	83	32	40
Unit 5	3.22	63.38	150	115	140
Unit 6	3.40	64.26	162	102	145
Unit 7	3.70	90.64	207	122	150
	16.26	340.66			610
Bhusawal					
Unit 1	0.58	17.13	25	22	25
Unit 2	3.89	87.60	182	146	160
Unit 3	0.15	87.94	146	0	0
	4.62	192.67			185
Parli					
Unit 1	0.53	11.42	25	20	22
Unit 2	0.55	10.06	25	20	22
Unit 3	3.66	8.42	163	135	170
Unit 4	3.62	76.27	160	129	170
Unit 5	3.85	86.85	189	135	180
Unit 6	6.01	123.87	254	236	250
Unit 7	0.00	14.53	0	0	
	18.22	331.43			814
Chandrapur					
Unit 1	0.00	23.81	0	0	0
Unit 2	0.00	48.63	0	0	0
Unit 3	3.62	61.54	165	122	150
Unit 4	3.83	89.94	194	116	150
Unit 5	0.00	150.03	0	0	0
Unit 6	0.00	0.32	0	0	0
Unit 7	10.24	216.01	453	365	360
	17.68	590.29			660
Paras					
Unit 2	0.48	17.59	23	18	44
Unit 3	5.47	103.94	241	213	230
Unit 4	0.05	45.45	40	0	
	5.99	166.97			274
Khaparkheda					
Unit 1	4.95	103.00	215	185	210
Unit 2	4.34	92.57	192	169	180
Unit 3	4.60	85.75	196	170	190
Unit 4	4.56	95.74	193	186	190
	18.45	377.05			770
Nasik					
Unit 1	0.00	41.30	0	0	0
Unit 2	1.91	44.41	95	62	95
Unit 3	4.50	91.62	202	167	200
Unit 4	4.46	96.09	202	168	210
Unit 5	4.56	98.90	206	165	210
	15.43	372.33			715
Koyna					
Stage 1-2	9.70	133.20	575	70	600
Stage 4	18.56	305.68	1120	0	250
Stage 3	5.76	92.60	320	80	320
	34.02	531.47			1170
Kovna 12&4 Total	28.26	438.87			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.35	318.81	703	658	660
		16.35	318.81			660
Hydro						
KDPH		0.46	10.28	20	19	36
VTRNA		0.00	18.83	0	0	0
TILLARI		0.20	7.54	60	0	60
BHTGR/VEER		0.49	6.29	21	20	5
BHIRA T.R.		0.24	5.20	82	0	80
RNGR+BHTSA		0.24	6.11	11	10	5
BHANDARDRA		0.00	10.41	0	0	0
ELDARY		0.00	1.07	0	0	0
SMLHY PTN		0.77	16.64	39	28	10
GHATGHAR		0.26	6.58	125	0	0
		2.66	88.96			196
PENCH (MS)						
Pench (MS)		0.69	6.72	51	0	
		0.69	6.72			
Wind						
MalharPeth		0.26	4.37			
Vankuswadi		0.50	9.25			
ATIT		0.16	3.90			
Kale		0.26	4.41			
Satara		0.57	6.41			
Shirala		0.22	3.90			
K Mahankal		0.01	2.68			
Supa		0.20	3.31			
Vita		0.62	16.84			
Dondaicha		4.30	66.27			
Sakri		0.72	11.07			
Nandurbar		0.49	9.14			
Khadakale		0.77	10.17			
Khaparale		0.43	7.97			
		9.50	159.69			
CPP						
TOTAL CPP		5.29	98.41			
		5.29	98.41			
Dabhol						
RGPPL		34.49	768.06	1549	1329	1520
		34.49	768.06			1520
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	209.14	415	415	400
Trombay 6		12.24	230.16	510	510	500
Trombay 7A		2.61	58.80	118	90	120
Trombay 7B		1.50	33.06	66	56	60
Trombay 8		6.03	124.25	255	250	250
TATA Hydro		5.74	98.40	471	0	447
		38.09	753.82			1777
REL						
1&2		12.53	263.41	525	519	500
		12.53	263.41			500
Cent Sect						
Share						2948
						2948
MS PG CL	Thermal	96.66	2371.40			4028
	Thml+Gas	113.01	2690.21			4688
	Hydro	36.68	620.43			1366
	Total	149.70	3310.64			6054
State Total		250.29	5360.74			12799

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	4027	1790	687	6504	1534	448	218	2692	3002	-241	-254	11488	2381	13869	2245	16114	49.10
2	3846	1661	695	6202	1539	503	219	2610	2939	-170	-179	11259	2282	13541	2088	15629	49.24
3	3885	1778	695	6358	1540	543	218	2531	2884	-87	-69	11480	2160	13640	1953	15593	49.20
4	3885	1590	703	6178	1549	528	216	2347	2931	17	34	11436	2048	13484	1848	15332	49.43
5	3921	1565	699	6185	1544	514	213	2406	3126	-10	43	11625	2213	13838	1840	15678	49.27
6	3966	1933	697	6596	1544	430	214	2389	2929	24	16	11746	2559	14305	1866	16171	49.16
7	4075	330	701	5106	1548	411	213	2605	3379	-23	-2	10658	3871	14529	1883	16412	49.31
8	4101	485	697	5283	1543	208	218	2669	3247	-79	-58	10441	4148	14589	1938	16527	49.32
9	4168	507	689	5364	1536	280	214	2725	3119	-126	-107	10406	4364	14770	2203	16973	49.37
10	4120	617	679	5416	1535	265	217	3191	3826	-505	-503	10776	4305	15081	2599	17680	49.50
11	4115	959	673	5747	1532	293	207	3286	4058	-529	-543	11319	4034	15353	2868	18221	49.51
12	4113	1428	663	6204	1504	245	200	3361	4151	-600	-618	11711	3965	15676	2935	18611	49.40
13	4065	1663	664	6392	1391	293	193	3500	4273	-741	-735	11832	3790	15622	2956	18578	49.51
14	4116	1765	660	6541	1354	369	213	3427	4018	-741	-710	11810	3673	15483	2854	18337	49.20
15	4024	1892	658	6574	1330	373	219	3236	3897	-741	-716	11702	3875	15577	2918	18495	49.11
16	3965	1795	665	6425	1330	422	218	3200	3865	-741	-699	11602	4217	15819	2949	18768	49.25
17	3944	1823	670	6437	1330	516	235	3199	3890	-741	-706	11751	4102	15853	2924	18777	49.29
18	4033	1454	681	6168	1330	516	233	3195	4108	-700	-666	11738	3711	15449	2826	18275	49.50
19	4120	1552	688	6360	1329	352	248	2631	3610	-280	-324	11626	3915	15541	2654	18195	49.57
20	4095	2105	680	6880	1329	445	249	2893	3661	-405	-362	12253	4044	16297	2713	19010	49.21
21	4035	2218	676	6929	1329	441	237	2819	3929	-263	-240	12676	3545	16221	2590	18811	49.08
22	4022	2084	675	6781	1331	367	226	3044	3911	-452	-391	12276	3808	16084	2557	18641	49.04
23	4041	1645	681	6367	1331	373	232	2858	3322	-263	-239	11437	3327	14764	2465	17229	49.19
24	3979	2044	678	6701	1331	365	223	3047	3447	-515	-460	11658	2991	14649	2433	17082	49.00
MUs	96.66	36.68	16.35	149.70	34.49	9.50	5.29	69.86	85.52	-8.91	-8.49	276.71	83.33	360.03	59.10	419.14	49.28

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 21/Apr/2010

Position as on 6.30 Hrs of 22/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.	
Paras Unit 4	250	19/04/2010	18.14	21/04/2010	12.40	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
Cent_Sect NTPC(V) 9	500	21/04/2010	12.52	21/04/2010	19.23	Bus Fault	
Paras Unit 4	250	21/04/2010	14.14		Continued.	Low Drum Level	

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

Position as on 6.30 Hrs of 22/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		
Padgha - Boisar (PGCIL)	21/04/2010	21.58	21/04/2010	22.45	Bus Fault
IntraState					
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.
Kalwa-Kharghar	21/04/2010	08.39	21/04/2010	14.12	Replacement of CT cable
400 KV Bus Reactor at Nagothane	21/04/2010	08.55		Continued.	Repl.of rotary Insulator of B Bus
Main Bus - I @ Lamboti.	21/04/2010	10.57	21/04/2010	16.55	Q.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 tobe 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 KV BusCoupler at Kharghar	21/04/2010	07.51		Continued.	O/H of SF6 Breaker
Khaperkheda-Koradi Ckt.	21/04/2010	08.03	21/04/2010	15.07	Q.M.Work
220 KV TBC at Parly-II	21/04/2010	09.00	21/04/2010	15.00	Q.M.Work
220 KV Main Bus- I at Virur	21/04/2010	10.15	21/04/2010	17.45	Jumpering work
Karad - Vita - I	21/04/2010	11.00	21/04/2010	13.40	Q.M.Work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Kanhan - Mansar.	21/04/2010	11.58	21/04/2010	14.50	Q.M.Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Khadka - Deepnagar - II	31/03/2010	16.13		Continued.	Handtripped
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 : 400KV			Outage Type TRIPPED		
400/220KV, 315MVA ICT-II at Padgha	21/04/2010	21.58	21/04/2010	22.29	Bus Fault

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

Position as on 6.30 Hrs of 22/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type TRIPPED		
K'gaon-Lonand	21/04/2010	12.00	21/04/2010	12.15	Distance Protection
Padgha-Jambhul II	21/04/2010	21.58	21/04/2010	22.30	Bus Fault
220 KV Bus Coupler at Padgha	21/04/2010	21.58	21/04/2010	22.27	Bus Fault
220/22KV 50MVA ICT at Padgha	21/04/2010	21.58	21/04/2010	22.51	Bus Fault
220/100KV 200MVA ICT-II at Padgha	21/04/2010	21.58	21/04/2010	22.48	Bus Fault
Padgha-Wada	21/04/2010	21.58	21/04/2010	22.42	Bus Fault
Padgha-Kamba	21/04/2010	21.58	21/04/2010	23.00	Bus Fault
Padgha-Temghar	21/04/2010	21.58	21/04/2010	23.02	Bus Fault
220/100KV 200MVA ICT-I at Padgha	21/04/2010	21.58	21/04/2010	22.39	Bus Fault
Padga-Kalwa-I	21/04/2010	21.58	21/04/2010	23.04	Bus Fault
Padghe - Nashik - II	21/04/2010	21.58	21/04/2010	22.33	Bus Fault
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	72
Unit 2	105	54
Unit 3	105	60
Unit 4	105	70
Unit 5	200	100
Unit 6	210	130
Unit 7	210	95
	1040	581
Bhusawal		
Unit 1	58	45
Unit 2	210	180
Unit 3	210	0
	478	225
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	160
Unit 4	210	160
Unit 5	210	160
Unit 6	250	250
Unit 7	250	
	1190	774
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	200
Unit 4	210	190
Unit 5	500	0
Unit 6	500	0
Unit 7	500	450
	2340	840
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	90
Unit 3	210	200
Unit 4	210	210
Unit 5	210	210
	870	710
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	29
GHATGHAR	250	0
	611	215
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	1400
	960	1400
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	2992
	3143	2992

	17376	8 of 8 12888
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