



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Apr/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	95.672	2174.367	1) Madhya Pradesh	58.532	972.502
2) Hydro	31.007	554.390	2) Gujrat	27.658	507.174
3) Gas	16.287	285.995	3) Goa	-6.956	-129.575
Total MSGENCO	142.966	3014.752	4) TAPS 1&2 (Inj.)	7.149	112.548
B) OTHERS			5) Pench (Excess)	-0.128	-5.790
1) RGPPL Gas	36.781	696.841	# Total Cent. Sector	86.255	1456.859
2) Wind Generation	12.642	138.572	F) Other Exchanges		
3) CPP	5.092	88.713	1) With TPCL (Excess)	-8.718	-120.786
4) PENCH (MS)	0.128	5.790	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.433	123.296
1) TPCL Thermal	31.967	590.521	Include PX	0.000	17.257
2) TPCL Hydro	4.980	87.451	2) MUMBAI Bilateral	9.602	132.747
TOTAL TPCL	36.947	677.972	Include PX	2.726	10.586
3) REL Thermal	12.547	238.353	3) MUMBAI Schedule	9.602	133.787
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	140.186	3003.241	1) MSEDCL	275.146	5280.741
2) Hydro (A2+B3+C2)	36.115	647.631	2) TPCL	37.916	669.385
3) Gas (A3+B1)	53.068	982.836	3) REL	20.293	367.694
4) Wind (B2)	12.642	138.572	TOTAL STATE	333.355	6317.820
5) CPP (B3)	5.092	88.713			
TOTAL STATE	247.103	4860.993			

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	3947	4041	3952
MSGENCO Hydro	1467	1657	1206
MSGENCO Gas	660	691	658
MSGENCO Total Generation	6074	6389	5816
Central Sector Receipt	3719	3675	3169
RGPPL	1517	1535	1544
WIND	538	551	534
CPP	222	219	205
Exchange with TPCL	-570	-397	-114
MSEDCL DEMAND MET	11500	12023	11154
Load Shedding	3849	4122	1913
MSEDCL DEMAND (INCL. LS)	15349	16145	13067
TPCL GENERATION	1808	1780	1267
REL GENERATION	520	523	524
TPCL+REL DEMAND	2898	2700	1905
STATE DEMAND MET	14398	14723	13059
STATE DEMAND (INCL. LS)	18247	18845	14972
Frequency (Hz)	49.13	49.40	49.34
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5432 MW at 15.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			108.82 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.07 Hz at 10.04 Hrs	48.74 Hz at 23.16 Hrs	49.28	8.75 % 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 19/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.42	32.40	69	40	60
Unit 2	0.22	16.19	56	0	0
Unit 3	1.78	31.92	86	57	75
Unit 4	1.49	29.81	75	36	60
Unit 5	3.22	56.61	161	102	140
Unit 6	3.07	57.25	141	112	140
Unit 7	3.41	82.64	175	120	150
	14.60	306.82			625
Bhusawal					
Unit 1	0.59	15.98	25	21	25
Unit 2	4.10	79.72	185	160	180
Unit 3	4.54	83.38	195	174	195
	9.23	179.08			400
Parli					
Unit 1	0.63	10.28	27	25	22
Unit 2	0.02	9.46	23	0	0
Unit 3	1.62	1.62	117	0	0
Unit 4	3.72	68.81	166	129	160
Unit 5	3.99	78.85	175	152	180
Unit 6	6.04	111.84	256	246	250
Unit 7	0.00	14.53	0	0	
	16.03	295.39			612
Chandrapur					
Unit 1	0.00	23.81	0	0	0
Unit 2	0.00	48.63	0	0	0
Unit 3	1.59	54.21	146	0	0
Unit 4	4.32	81.66	194	155	190
Unit 5	0.00	150.03	0	0	0
Unit 6	0.00	0.32	0	0	0
Unit 7	10.69	194.81	458	398	450
	16.60	553.48			640
Paras					
Unit 2	0.54	16.43	24	22	24
Unit 3	1.77	97.11	120	0	100
Unit 4	1.15	45.40	91	0	
	3.46	158.94			124
Khaparkheda					
Unit 1	4.59	93.38	210	180	210
Unit 2	4.18	83.92	184	160	180
Unit 3	4.42	76.79	194	172	190
Unit 4	4.12	86.67	194	145	190
	17.32	340.75			770
Nasik					
Unit 1	2.24	40.40	97	90	100
Unit 2	2.16	40.48	94	79	100
Unit 3	4.62	82.52	202	186	200
Unit 4	4.65	86.94	200	178	190
Unit 5	4.76	89.56	208	181	200
	18.43	339.90			790
Koyna					
Stage 1-2	7.50	117.50	535	90	600
Stage 4	15.13	271.05	1076	0	250
Stage 3	5.22	82.31	320	0	240
	27.86	470.86			1090
Kovna 12&4 Total	22.64	388.55			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.29	286.00	703	657	670
		16.29	286.00			670
Hydro						
KDPH		0.90	9.21	38	37	36
VTRNA		0.00	18.83	0	0	60
TILLARI		0.39	6.98	60	0	60
BHTGR/VEER		0.49	5.32	21	20	20
BHIRA T.R.		0.18	4.75	78	0	80
RNGR+BHTSA		0.26	5.59	11	11	14
BHANDARDRA		0.00	10.41	0	0	0
ELDARY		0.00	1.07	0	0	0
SMLHY PTN		0.79	15.04	34	33	0
GHATGHAR		0.12	6.32	124	0	0
		3.15	83.53			270
PENCH (MS)						
Pench (MS)		0.13	5.79	51	0	
		0.13	5.79			
Wind						
MalharPeth		0.42	3.77			
Vankuswadi		0.66	8.06			
ATIT		0.44	3.52			
Kale		0.32	3.84			
Satara		0.26	5.17			
Shirala		0.25	3.48			
K Mahankal		0.10	2.66			
Supa		0.05	2.95			
Vita		1.15	15.50			
Dondaicha		5.49	56.98			
Sakri		1.00	9.44			
Nandurbar		0.63	7.97			
Khadakale		0.92	8.53			
Khaparale		0.95	6.70			
		12.64	138.57			
CPP						
TOTAL CPP		5.09	88.71			
		5.09	88.71			
Dabhol						
RGPPL		36.78	696.84	1550	1505	1520
		36.78	696.84			1520
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.94	189.22	415	400	420
Trombay 6		11.66	205.68	510	380	500
Trombay 7A		2.78	53.42	118	114	120
Trombay 7B		1.55	30.02	66	63	60
Trombay 8		6.03	112.18	255	250	250
TATA Hydro		4.98	87.45	464	0	447
		36.95	677.97			1797
REL						
1&2		12.55	238.35	526	519	500
		12.55	238.35			500
Cent Sect						
Share						3046
						3046
MS PG CL	Thermal	95.67	2174.37			3961
	Thml+Gas	111.96	2460.36			4631
	Hydro	31.01	554.39			1360
	Total	142.97	3014.75			5991
State Total		247.10	4860.99			12854

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	4079	1358	673	6110	1536	581	216	2791	3209	-257	-236	11416	2185	13601	2196	15797	49.29
2	3953	1327	657	5937	1543	578	217	2726	2990	-210	-196	11069	2142	13211	2073	15284	49.37
3	3952	1206	658	5816	1544	534	205	2678	3169	-162	-114	11154	1913	13067	1905	14972	49.34
4	3900	1083	660	5643	1549	520	207	2534	3425	-51	-13	11331	1919	13250	1767	15017	49.43
5	3856	1424	681	5961	1540	545	207	2481	3126	4	42	11421	2062	13483	1729	15212	49.13
6	3834	1794	699	6327	1540	479	204	2513	2959	-23	10	11519	2235	13754	1787	15541	49.02
7	3859	445	703	5007	1550	515	206	2728	3248	-71	-32	10494	3602	14096	1844	15940	49.35
8	3918	520	697	5135	1545	426	209	2732	3278	-71	-28	10565	3858	14423	1894	16317	49.27
9	3926	631	688	5245	1536	407	209	2765	3197	-118	-114	10480	4149	14629	2133	16762	49.21
10	3944	659	684	5287	1538	386	216	3244	3690	-497	-460	10657	4096	14753	2501	17254	49.42
11	3926	1115	676	5717	1532	388	214	3363	4144	-497	-494	11501	3812	15313	2782	18095	49.40
12	3947	1467	660	6074	1517	538	222	3473	3719	-610	-570	11500	3849	15349	2898	18247	49.13
13	4025	1386	658	6069	1521	574	225	3570	4400	-710	-648	12141	3738	15879	2929	18808	49.27
14	4007	1144	663	5814	1520	596	210	3571	4407	-710	-667	11880	3617	15497	2875	18372	49.32
15	4007	1499	661	6167	1505	499	206	3524	3933	-733	-681	11629	3825	15454	2857	18311	49.10
16	4004	1226	671	5901	1518	656	213	3419	3860	-733	-707	11441	4130	15571	2934	18505	49.31
17	4084	1100	678	5862	1520	572	212	3422	4043	-733	-705	11504	4078	15582	2917	18499	49.34
18	4139	1215	681	6035	1522	689	206	3338	3998	-733	-716	11734	3622	15356	2825	18181	49.29
19	4066	985	690	5741	1532	546	215	2893	3742	-397	-363	11413	3920	15333	2662	17995	49.46
20	4041	1657	691	6389	1535	551	219	3063	3675	-425	-397	12023	4122	16145	2700	18845	49.40
21	4013	2107	690	6810	1532	588	210	2989	3679	-350	-289	12556	3676	16232	2574	18806	49.21
22	4077	1946	693	6716	1540	512	212	3131	3567	-491	-432	12140	3529	15669	2598	18267	49.36
23	4072	1897	688	6657	1534	510	201	3133	3572	-491	-431	12069	3233	15302	2423	17725	49.17
24	4043	1816	687	6546	1532	452	231	3206	3225	-531	-477	11509	3124	14633	2409	17042	49.06
MUs	95.67	31.01	16.29	142.97	36.78	12.64	5.09	73.29	86.26	-9.60	-8.72	275.15	80.44	355.58	58.21	413.79	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 19/Apr/2010

Position as on 6.30 Hrs of 20/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
Parli Unit 3	210	11/03/2010	03.45	19/04/2010	05.54	Annual overhaul	
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
Chandrapur Unit 3	210	14/04/2010	11:02	19/04/2010	08.20	Water Balancing Work.	
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.	20/04/2010
Cent_Sect TARAPUR-4	540	11/04/2010	09.58		Continued.	Reactor problem.	20/04/2010
Koradi Unit 2	105	11/04/2010	21.13	19/04/2010	18.09	BLR T/L.	
Koyna Unit 9	80	17/04/2010	9:25	19/04/2010	12.15	Excitation problem.	
Chandrapur Unit 2	210	18/04/2010	21.38		Continued.	Clinker Formation.	
Parli Unit 2	30	19/04/2010	01.20		Continued.	Eco.Tube Leakage.	22/04/2010
Paras Unit 3	250	19/04/2010	18.07		Continued.	Conver Belt Problem.	
Paras Unit 4	250	19/04/2010	18.14		Continued.	Conver Belt Problem.	

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

Position as on 6.30 Hrs of 20/Apr/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		
Talange - Chikodi	19/04/2010	11.30	19/04/2010	18.32	Maintaince work.
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.
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.
Bus Reactor at Nagothane	19/04/2010	09.45	19/04/2010	22.20	Replacement of Rotary Insulator of B Bus PG Insulator.
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
220/132KV, 200MVA T/F-1@Boiser	19/04/2010	07.30	19/04/2010	17.25	Replacement of LV Side CT's.
Kalmeshwar-Kaparkheda	19/04/2010	09.01	19/04/2010	16.30	Q.M.Work
220/132 KV 200MVA ICT-I at Jalna	19/04/2010	11.10	19/04/2010	15.45	Attending oil leakage through 132 KV LV side B-Ph Bushing.
Karad-Wathar	19/04/2010	13.09	19/04/2010	16.52	Attending Hot Spot.
220 KV Half Bus Section at Chikhali	19/04/2010	16.27	19/04/2010	22.27	Jumpering of LA (HV)of New 200 MVA ICT.
Karad-Sada Waghapur	19/04/2010	17.03		Continued.	To attend Red Hot.
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.
Chinchwad - Parvati	18/04/2010	19.06	19/04/2010	01.35	To Control ICT Winding Temp. of Lonikand
New Paras TPS - Chikhali - II	19/04/2010	15.55	19/04/2010	22.27	H/T due to outage on Bus Section II.
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

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

Position as on 6.30 Hrs of 20/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chikhali - Khamgaon	18/04/2010	17.35		Continued.	To Control Chikali ICT Loading.
Voltage Level : 220KV			Outage Type TRIPPED		
Lonikand-Khadki	18/04/2010	17.06	19/04/2010	01.22	B Ph Conductor Snapped.
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 20/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	50
Unit 2	105	50
Unit 3	105	60
Unit 4	105	70
Unit 5	200	150
Unit 6	210	150
Unit 7	210	170
	1040	700
Bhusawal		
Unit 1	58	25
Unit 2	210	195
Unit 3	210	195
	478	415
Parli		
Unit 1	30	22
Unit 2	30	0
Unit 3	210	125
Unit 4	210	170
Unit 5	210	175
Unit 6	250	250
Unit 7	250	
	1190	742
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	150
Unit 4	210	190
Unit 5	500	0
Unit 6	500	0
Unit 7	500	460
	2340	800
Paras		
Unit 2	55	45
Unit 3	250	0
Unit 4	250	
	555	45
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
	840	770
Nasik		
Unit 1	120	100
Unit 2	120	90
Unit 3	210	200
Unit 4	210	210
Unit 5	210	210
	870	810
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	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	21
GHATGHAR	250	0
	611	217
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	420
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1797
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2929
	3143	2929