



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Apr/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	100.143	2078.695	1) Madhya Pradesh	48.704	913.970
2) Hydro	27.765	523.383	2) Gujrat	25.399	479.516
3) Gas	16.466	269.708	3) Goa	-6.779	-122.619
Total MSGENCO	144.374	2871.786	4) TAPS 1&2 (Inj.)	7.171	105.399
B) OTHERS			5) Pench (Excess)	-0.096	-5.662
1) RGPPL Gas	36.440	660.060	# Total Cent. Sector	74.399	1370.604
2) Wind Generation	12.189	125.930	F) Other Exchanges		
3) CPP	5.480	83.621	1) With TPCL (Excess)	-2.374	-112.068
4) PENCH (MS)	0.096	5.662	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.434	115.863
1) TPCL Thermal	32.514	558.554	Include PX	0.000	17.257
2) TPCL Hydro	1.588	82.471	2) MUMBAI Bilateral	3.022	123.145
TOTAL TPCL	34.102	641.025	Include PX	-1.457	7.860
3) REL Thermal	12.548	225.806	3) MUMBAI Schedule	3.022	124.185
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	145.205	2863.055	1) MSEDCL	270.604	5005.595
2) Hydro (A2+B3+C2)	29.449	611.516	2) TPCL	31.053	631.469
3) Gas (A3+B1)	52.906	929.768	3) REL	17.969	347.401
4) Wind (B2)	12.189	125.930	TOTAL STATE	319.626	5984.465
5) CPP (B3)	5.480	83.621			
TOTAL STATE	245.229	4613.890			

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	4268	4231	4101
MSGENCO Hydro	1228	1438	1137
MSGENCO Gas	669	690	690
MSGENCO Total Generation	6165	6359	5928
Central Sector Receipt	3286	3480	3000
RGPPL	1530	1523	1526
WIND	410	479	518
CPP	230	225	230
Exchange with TPCL	-123	-188	-101
MSEDCL DEMAND MET	11498	11878	11104
Load Shedding	3743	3852	1578
MSEDCL DEMAND (INCL. LS)	15241	15730	12682
TPCL GENERATION	1414	1456	1369
REL GENERATION	521	522	524
TPCL+REL DEMAND	2058	2166	1994
STATE DEMAND MET	13556	14044	13098
STATE DEMAND (INCL. LS)	17299	17896	14676
Frequency (Hz)	49.31	49.46	48.90
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4844 MW At 15.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			95.89 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.32 Hz at 17.07 Hrs	48.58 Hz at 00.11 Hrs	49.27	25.41 % 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 18/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.70	30.98	80	60	74
Unit 2	0.00	15.97	0	0	0
Unit 3	1.86	30.15	90	67	77
Unit 4	1.80	28.32	84	58	70
Unit 5	3.60	53.39	176	132	141
Unit 6	3.84	54.18	177	140	145
Unit 7	4.12	79.23	200	145	143
	16.91	292.22			650
Bhusawal					
Unit 1	0.56	15.40	25	20	25
Unit 2	4.29	75.62	190	164	195
Unit 3	4.60	78.84	196	187	195
	9.46	169.86			415
Parli					
Unit 1	0.57	9.64	25	21	22
Unit 2	0.56	9.44	25	22	22
Unit 3	0.00	0.00	0	0	0
Unit 4	3.92	65.08	182	147	160
Unit 5	4.15	74.86	183	160	160
Unit 6	5.97	105.80	252	230	250
Unit 7	0.00	14.53	0	0	0
	15.18	279.36			614
Chandrapur					
Unit 1	0.00	23.81	0	0	0
Unit 2	2.78	48.63	160	0	155
Unit 3	0.00	52.62	0	0	0
Unit 4	4.42	77.34	199	174	200
Unit 5	0.00	150.03	0	0	0
Unit 6	0.00	0.32	0	0	0
Unit 7	10.70	184.11	458	421	450
	17.90	536.87			805
Paras					
Unit 2	0.56	15.89	25	22	20
Unit 3	2.68	95.34	124	100	130
Unit 4	1.63	44.25	92	0	0
	4.88	155.48			150
Khaparkheda					
Unit 1	4.87	88.78	210	183	210
Unit 2	4.33	79.74	188	158	180
Unit 3	4.26	72.37	194	157	180
Unit 4	4.10	82.54	191	148	170
	17.56	323.44			740
Nasik					
Unit 1	2.26	38.16	99	84	100
Unit 2	2.00	38.32	96	68	95
Unit 3	4.42	77.90	202	120	190
Unit 4	4.72	82.29	208	190	210
Unit 5	4.86	84.80	208	194	210
	18.25	321.47			805
Koyna					
Stage 1-2	8.07	109.99	560	50	600
Stage 4	11.63	255.92	1042	0	250
Stage 3	4.51	77.09	240	0	320
	24.21	443.00			1170
Kovna 12&4 Total	19.70	365.91			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.47	269.71	700	663	670
		16.47	269.71			670
Hydro						
KDPH		0.91	8.31	38	37	0
VTRNA		0.00	18.83	0	0	60
TILLARI		0.37	6.59	60	0	60
BHTGR/VEER		0.48	4.83	21	20	5
BHIRA T.R.		0.31	4.57	81	0	80
RNGR+BHTSA		0.27	5.33	13	10	3
BHANDARDRA		0.00	10.41	0	0	0
ELDARY		0.00	1.07	0	0	0
SMLHY PTN		0.82	14.25	42	32	21
GHATGHAR		0.40	6.19	125	0	0
		3.56	80.38			229
PENCH (MS)						
Pench (MS)		0.10	5.66	25	0	
		0.10	5.66			
Wind						
MalharPeth		0.33	3.34			
Vankuswadi		0.62	7.40			
ATIT		0.32	3.08			
Kale		0.33	3.52			
Satara		0.23	4.91			
Shirala		0.29	3.23			
K Mahankal		0.30	2.56			
Supa		0.10	2.89			
Vita		0.72	14.34			
Dondaicha		5.80	51.49			
Sakri		0.98	8.45			
Nandurbar		0.77	7.34			
Khadakale		0.59	7.61			
Khaparale		0.80	5.76			
		12.19	125.93			
CPP						
TOTAL CPP		5.48	83.62			
		5.48	83.62			
Dabhol						
RGPPL		36.44	660.06	1542	1480	1520
		36.44	660.06			1520
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	179.28	415	415	420
Trombay 6		12.24	194.02	510	510	500
Trombay 7A		2.78	50.64	118	114	120
Trombay 7B		1.55	28.47	66	64	60
Trombay 8		5.98	106.15	255	230	250
TATA Hydro		1.59	82.47	264	0	447
		34.10	641.02			1797
REL						
1&2		12.55	225.81	525	518	500
		12.55	225.81			500
Cent Sect						
Share						2924
						2924
MS PG CL	Thermal	100.14	2078.70			4179
	Thml+Gas	116.61	2348.40			4849
	Hydro	27.76	523.38			1399
	Total	144.37	2871.79			6248
State Total		245.23	4613.89			12989

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/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	4112	1079	685	5876	1510	631	233	2713	2846	-138	-138	10958	1711	12669	2281	14950	48.81
2	4067	1102	686	5855	1521	559	231	2679	2880	-138	-141	10925	1684	12609	2097	14706	48.81
3	4101	1137	690	5928	1526	518	230	2682	3000	-138	-101	11104	1578	12682	1994	14676	48.90
4	4101	1147	691	5939	1524	657	234	2577	2760	-26	-5	11109	1829	12938	1881	14819	48.81
5	4120	1163	694	5977	1529	649	222	2583	2815	-26	27	11219	1959	13178	1852	15030	48.87
6	4152	1388	689	6229	1542	455	229	2584	2816	-26	5	11276	2327	13603	1874	15477	48.77
7	4054	1067	700	5821	1538	463	230	2557	2832	121	119	11003	3514	14517	1779	16296	49.24
8	4070	777	698	5545	1537	364	230	2558	2671	121	157	10504	3798	14302	1774	16076	49.18
9	4136	580	692	5408	1540	387	226	2607	2687	66	106	10354	4095	14449	1823	16272	49.29
10	4181	466	691	5338	1531	386	222	2788	2965	-31	-11	10431	4114	14545	1938	16483	49.54
11	4215	629	680	5524	1524	374	226	2981	3296	-114	-81	10863	3853	14716	2015	16731	49.40
12	4268	1228	669	6165	1530	410	230	3029	3286	-170	-123	11498	3743	15241	2058	17299	49.31
13	4271	1423	666	6360	1500	463	229	3042	3248	-181	-140	11660	3595	15255	2053	17308	49.36
14	4280	1337	668	6285	1500	537	233	3041	3367	-181	-142	11780	3501	15281	2055	17336	49.37
15	4266	1133	663	6062	1490	538	209	2982	3359	-181	-165	11493	3717	15210	2068	17278	49.32
16	4272	1010	679	5961	1480	524	210	2839	3234	-181	-165	11244	3936	15180	2096	17276	49.56
17	4235	881	683	5799	1482	572	225	2828	3153	-181	-131	11100	3961	15061	2045	17106	49.60
18	4234	452	696	5382	1512	779	228	2833	3708	-181	-132	11477	3573	15050	2039	17089	49.89
19	4202	535	694	5431	1524	667	235	2739	3332	-202	-150	11039	3736	14775	2027	16802	49.65
20	4231	1438	690	6359	1523	479	225	2893	3480	-230	-188	11878	3852	15730	2166	17896	49.46
21	4263	1915	692	6870	1515	457	229	2896	3230	-230	-221	12099	3350	15449	2240	17689	49.44
22	4135	2044	690	6869	1524	480	229	2899	3348	-230	-223	12252	3253	15505	2249	17754	49.32
23	4104	2063	690	6857	1522	425	238	2888	3052	-230	-229	11890	3042	14932	2281	17213	49.28
24	4069	1771	690	6530	1516	417	243	3009	3025	-317	-302	11433	2533	13966	2339	16305	49.27
MUs	100.14	27.76	16.47	144.37	36.44	12.19	5.48	67.23	74.39	-3.02	-2.37	270.59	76.25	346.84	49.02	395.87	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 18/Apr/2010

Position as on 6.30 Hrs of 19/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		Continued.	Water Balancing Work.	16/04/2010
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.	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		Continued.	BLR T/L.	21/04/2010
Koyna Unit 9	80	17/04/2010	9:25		Continued.	Excitation problem.	20/04/2010
Paras Unit 4	250	18/04/2010	05.29	18/04/2010	09.57	Feeder 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

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

Position as on 6.30 Hrs of 19/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.
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.
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
Tifil-Trombay	18/04/2010	07.56	18/04/2010	18.50	Conductor Replacement Bet.Loc 689B-691B
Borivali - Aare - I	18/04/2010	08.10	18/04/2010	17.19	R.M.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
KALWA-SALSET I	18/04/2010	08.54	18/04/2010	19.16	R.M.
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
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		
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 19/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	0
Unit 3	105	75
Unit 4	105	60
Unit 5	200	140
Unit 6	210	140
Unit 7	210	150
	1040	625
Bhusawal		
Unit 1	58	25
Unit 2	210	180
Unit 3	210	195
	478	400
Parli		
Unit 1	30	22
Unit 2	30	0
Unit 3	210	0
Unit 4	210	160
Unit 5	210	180
Unit 6	250	250
Unit 7	250	
	1190	612
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	0
Unit 4	210	190
Unit 5	500	0
Unit 6	500	0
Unit 7	500	450
	2340	640
Paras		
Unit 2	55	24
Unit 3	250	100
Unit 4	250	
	555	124
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	100
Unit 3	210	200
Unit 4	210	190
Unit 5	210	200
	870	790
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Uran		
All Units	852	670

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	670
Hydro		
KDPH	40	36
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	270
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	3046
	3143	3046

	17376	12854
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