



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Mar/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Mar/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	136.589	2779.563	1) Madhya Pradesh	52.533	1119.486
2) Hydro	11.301	340.085	2) Gujrat	27.500	621.180
3) Gas	14.072	286.441	3) Goa	-6.620	-138.919
Total MSGENCO	161.962	3406.089	4) TAPS 1&2 (Inj.)	7.230	159.678
B) OTHERS			5) Pench (Excess)	-0.162	-5.061
1) RGPPL Gas	33.940	683.766	# Total Cent. Sector	80.481	1756.364
2) Wind Generation	6.269	86.596	F) Other Exchanges		
3) CPP	3.514	15.465	1) With TPCL (Excess)	-4.676	-69.486
4) PENCH (MS)	0.162	5.289	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.967	130.349
1) TPCL Thermal	31.098	653.223	Include PX	0.000	0.000
2) TPCL Hydro	5.620	91.359	2) MUMBAI Bilateral	5.826	86.369
TOTAL TPCL	36.718	744.582	Include PX	2.645	36.431
3) REL Thermal	12.615	278.092	3) MUMBAI Schedule	5.826	86.369
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	180.302	3710.878	1) MSEDCL	281.652	5884.083
2) Hydro (A2+B3+C2)	17.083	436.733	2) TPCL	34.854	704.540
3) Gas (A3+B1)	48.012	970.207	3) REL	19.179	387.620
4) Wind (B2)	6.269	86.596	TOTAL STATE	335.685	6976.243
5) CPP (B3)	3.514	15.465			
TOTAL STATE	255.180	5219.879			

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	5704	5628	5667
MSGENCO Hydro	392	1365	97
MSGENCO Gas	586	579	568
MSGENCO Total Generation	6682	7572	6332
Central Sector Receipt	3919	3438	3079
RGPPL	1430	1330	1472
WIND	110	300	461
CPP	158	197	67
Exchange with TPCL	-409	-246	12
MSEDCL DEMAND MET	11890	12616	11423
Load Shedding	3620	3832	1955
MSEDCL DEMAND (INCL. LS)	15510	16448	13378
TPCL GENERATION	1831	1786	1169
REL GENERATION	523	525	527
TPCL+REL DEMAND	2763	2557	1684
STATE DEMAND MET	14653	15173	13107
STATE DEMAND (INCL. LS)	18273	19005	15062
Frequency (Hz)	49.48	49.35	49.50
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4111 MW At 15.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			80.65 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.31 Hz at 18.03 Hrs	48.8 Hz at 20.32 Hrs	49.48	3.44 % 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 22/Mar/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.85	33.90	84	72	75
Unit 2	1.36	35.10	69	35	70
Unit 3	0.00	0.00	0	0	0
Unit 4	1.91	38.35	85	56	70
Unit 5	3.54	78.73	155	137	140
Unit 6	3.77	80.90	170	140	160
Unit 7	4.46	77.70	202	176	185
	16.90	344.69			700
Bhusawal					
Unit 1	1.21	23.58	52	40	50
Unit 2	4.59	98.26	196	183	195
Unit 3	4.52	91.78	195	180	195
	10.32	213.62			440
Parli					
Unit 1	0.55	12.12	24	20	23
Unit 2	0.56	10.26	24	22	23
Unit 3	0.00	37.16	0	0	0
Unit 4	4.61	92.20	203	169	200
Unit 5	4.26	92.95	189	155	185
Unit 6	6.04	130.98	255	248	250
Unit 7	6.06	57.29	260	198	0
	22.08	432.96			681
Chandrapur					
Unit 1	3.40	63.22	146	122	150
Unit 2	3.40	74.47	146	130	150
Unit 3	3.55	87.93	174	66	180
Unit 4	4.21	98.48	192	144	210
Unit 5	10.18	170.73	455	390	450
Unit 6	9.38	198.34	420	360	425
Unit 7	10.01	223.42	435	397	450
	44.12	916.60			2015
Paras					
Unit 2	0.55	15.29	26	19	24
Unit 3	5.65	67.72	246	210	240
Unit 4	1.60	17.90	104	0	0
	7.80	100.92			264
Khaparkheda					
Unit 1	4.92	82.77	214	186	210
Unit 2	4.47	84.85	194	171	190
Unit 3	4.66	100.18	212	181	190
Unit 4	4.68	94.74	210	179	190
	18.74	362.53			780
Nasik					
Unit 1	0.00	44.21	0	0	0
Unit 2	2.35	49.92	101	90	100
Unit 3	4.84	107.48	210	190	200
Unit 4	4.64	101.08	200	185	200
Unit 5	4.80	105.56	209	180	200
	16.63	408.24			700
Koyna					
Stage 1-2	1.74	55.28	215	40	600
Stage 4	5.45	146.54	1015	0	250
Stage 3	1.54	43.58	160	0	240
	8.72	245.40			1090
Kovna 12&4 Total	7.19	201.82			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		14.07	286.44	623	543	600
		14.07	286.44			600
Hydro						
KDPH		0.00	10.15	0	0	0
VTRNA		0.00	11.84	0	0	0
TILLARI		0.00	3.23	0	0	0
BHTGR/VEER		0.42	44.06	18	17	5
BHIRA T.R.		0.14	4.53	82	0	80
RNGR+BHTSA		0.31	6.77	13	13	13
BHANDARDRA		0.00	1.01	0	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.50	1.84	28	17	15
GHATGHAR		1.21	11.26	125	0	0
		2.58	94.69			113
PENCH (MS)						
Pench (MS)		0.16	5.29	51	0	0
		0.16	5.29			0
Wind						
MalharPeth		0.21	3.79			
Vankuswadi		0.37	7.71			
ATIT		0.19	2.65			
Kale		0.16	2.97			
Satara		0.09	2.75			
Shirala		0.15	2.98			
K Mahankal		0.03	2.10			
Supa		0.24	2.57			
Vita		0.35	11.22			
Dondaicha		2.82	28.33			
Sakri		0.47	4.47			
Nandurbar		0.41	4.51			
Khadakale		0.44	6.06			
Khaparale		0.34	4.49			
		6.27	86.60			
CPP						
TOTAL CPP		3.51	15.46			
		3.51	15.46			
Dabhol						
RGPPL		33.94	683.77	1574	1325	1400
		33.94	683.77			1400
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	217.73	415	415	425
Trombay 6		10.62	206.64	510	240	500
Trombay 7A		2.82	63.85	121	114	120
Trombay 7B		1.62	35.86	68	66	60
Trombay 8		6.08	129.15	255	250	250
TATA Hydro		5.62	91.36	471	0	447
		36.72	744.58			1802
REL						
1&2		12.62	278.09	528	523	500
		12.62	278.09			500
Cent Sect						
Share						3257
						3257
MS PG CL	Thermal	136.59	2779.56			5580
	Thml+Gas	150.66	3066.00			6180
	Hydro	11.30	340.08			1203
	Total	161.96	3406.09			7383
State Total		255.18	5219.88			14342

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/Mar/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	5617	224	563	6404	1475	256	67	2968	3708	-151	-107	11803	1936	13739	1986	15725	49.56
2	5658	87	564	6309	1475	414	67	2871	3192	-38	10	11467	2009	13476	1801	15277	49.68
3	5667	97	568	6332	1472	461	67	2872	3079	-38	12	11423	1955	13378	1684	15062	49.50
4	5664	87	597	6348	1475	415	67	2873	2858	-38	16	11179	2296	13475	1619	15094	49.57
5	5657	92	623	6372	1574	398	67	2874	3073	-38	18	11502	2417	13919	1606	15525	49.59
6	5677	92	622	6391	1574	379	139	2736	3114	32	90	11712	2720	14432	1603	16035	49.45
7	5746	102	622	6470	1460	270	139	3114	2661	38	89	11089	3656	14745	1713	16458	49.46
8	5795	92	623	6510	1453	224	139	3134	2784	18	66	11176	3809	14985	1847	16832	49.67
9	5772	92	620	6484	1450	241	139	3118	2915	38	82	11311	3635	14946	2021	16967	49.62
10	5738	157	602	6497	1430	164	168	3611	3205	-344	-309	11155	3796	14951	2425	17376	49.54
11	5722	276	596	6594	1420	135	167	3619	3658	-414	-386	11588	3546	15134	2660	17794	49.39
12	5704	392	586	6682	1430	110	158	3670	3919	-461	-409	11890	3620	15510	2763	18273	49.48
13	5682	373	576	6631	1409	80	177	3647	3999	-461	-409	11887	3572	15459	2729	18188	49.67
14	5708	378	573	6659	1395	88	177	3664	3949	-461	-415	11853	3541	15394	2636	18030	49.61
15	5697	241	576	6514	1395	145	178	3623	4051	-461	-410	11873	3673	15546	2684	18230	49.72
16	5669	213	581	6463	1396	166	165	3575	3857	-461	-411	11636	3573	15209	2708	17917	49.63
17	5719	405	579	6703	1353	217	178	3563	3688	-461	-409	11730	3584	15314	2664	17978	49.36
18	5649	590	580	6819	1325	269	160	3580	3627	-461	-410	11790	3213	15003	2618	17621	49.33
19	5593	881	598	7072	1327	260	180	3126	3219	-281	-218	11891	3749	15640	2500	18140	49.56
20	5628	1365	579	7572	1330	300	197	3257	3438	-298	-246	12616	3832	16448	2557	19005	49.35
21	5695	1462	574	7731	1332	345	181	3177	3125	-233	-197	12517	3546	16063	2468	18531	49.14
22	5743	1242	575	7560	1330	277	168	3245	3205	-280	-239	12301	3582	15883	2369	18252	49.23
23	5734	1223	552	7509	1330	322	185	3181	3098	-264	-220	12275	3193	15468	2196	17664	49.11
24	5659	1138	543	7340	1330	333	184	3054	3059	-311	-264	11992	2264	14256	2152	16408	49.22
MUs	136.59	11.30	14.07	161.97	33.94	6.27	3.51	78.15	80.48	-5.83	-4.68	281.66	76.72	358.37	54.01	412.38	49.48

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 22/Mar/2010

Position as on 6.30 Hrs of 23/Mar/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
Koradi Unit 3	105	09/01/2010	00.17		Continued.	COH.	24/03/2010
Koyana Unit 12	80	03/03/2010	09.30		Continued.	Retrofitting work	05/04/2010
Parli Unit 3	210	11/03/2010	03.45		Continued.	Annual overhaul	05/04/2010
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	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	W/Dn.	
Uran Unit 3	60	05/03/2010	09.49		Continued.	Gas Restriction.	
Nasik Unit 1	125	20/03/2010	12.18		Continued.	BLR T/L.	24/03/2010
Paras Unit 4	250	21/03/2010	22.35	22/03/2010	01.18	Coal Mill Problem.	
Paras Unit 4	250	22/03/2010	17.52	22/03/2010	22.37	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Mar/2010

Position as on 6.30 Hrs of 23/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
HALKARNI-TILLARY	22/03/2010	08.20	22/03/2010	14.55	Erection of Tower Near Halkarni.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - I	16/02/2010	11.01		Continued.	To control Voltage at Akola
Dhule-Sar'Sarovar - I	20/03/2010	03.59		Continued.	H/T for O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV Main Bus - II at Kalwa	21/03/2010	10.16		Continued.	Replacement of 29B Isolator of Kalwa-Lonikand Line.
20 MVA 220/7 KV Station T/F - II @ Korady	22/03/2010	10.03	22/03/2010	17.44	Qutrly Maint.
Auxillary Bus @ Waluj	22/03/2010	11.05	22/03/2010	18.10	Extn of Beam for Pune-1 & Pune-2 Bay.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132KV 80MVA ICT at Nanded	19/02/2010	10.48		Continued.	Augmentation of ICT by 200 MVA.
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
220/132KV, 100MVA ICT-I at Padegaon	10/03/2010	12.20		Continued.	ICT Replacement by 200MVA New ICT
220/132 KV T/F - II @ Boiser	11/03/2010	12.30		Continued.	Aumantation of new 200 MVA ICT.
Girawli-Parli-III	15/03/2010	14.04		Continued.	C B Replacement Work.
220/132 KV,100 MVA T/F-I @ Malegaon	19/03/2010	08.30		Continued.	Repl.of 100 MVA ICT to 200 MVA.
BUS SEC-II at Jejuri	19/03/2010	13.57		Continued.	Renovation of Isolator
220/132KV 100MVA ICT-I at Parly-II	20/03/2010	09.35		Continued.	HV Breaker Replacement work,ICT on TBC.
Gadchandur-Virur-II	22/03/2010	12.05	22/03/2010	16.40	L A Strip Replacement Work.
Chandrapur-Chandrapur MIDC	22/03/2010	12.05	22/03/2010	21.21	R Ph Replacement Work.
220 KV Auxillary Bus @ Bhugaon	22/03/2010	13.30	22/03/2010	17.35	Jumpering Work of New Bay.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Paras-Malkapur	22/03/2010	10.00		Continued.	C T's Replacement Work @ Both Ends.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - II	08/03/2010	15.15		Continued.	Hand Tripped
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal- Aurangabad	07/03/2010	20.43		Continued.	Hand Tripped for Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132KV 100MVA ICT-II at Chalisgaon	22/03/2010	12.32	22/03/2010	12.45	Diff.Prot.
Murud - Girawli.	22/03/2010	15.04	22/03/2010	15.42	Dist.Prot.
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.
Chalisgaon - Manmad	22/03/2010	12.32	22/03/2010	13.05	Dist.Prot.
Manmad - Yewala	22/03/2010	12.32	22/03/2010	13.06	Trip.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Mar/2010

Position as on 6.30 Hrs of 23/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Manmad - Malegaon	22/03/2010	12.32	22/03/2010	13.06	Trip.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Mar/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	70
Unit 3	105	0
Unit 4	105	70
Unit 5	200	150
Unit 6	210	160
Unit 7	210	190
	1040	715
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	195
	478	440
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	0
Unit 4	210	200
Unit 5	210	185
Unit 6	250	250
Unit 7	250	
	1190	681
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	180
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	450
	2340	2015
Paras		
Unit 2	55	24
Unit 3	250	240
Unit 4	250	
	555	264
Khaparkheda		
Unit 1	210	200
Unit 2	210	195
Unit 3	210	210
Unit 4	210	210
	840	815
Nasik		
Unit 1	120	0
Unit 2	120	100
Unit 3	210	200
Unit 4	210	200
Unit 5	210	210
	870	710
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Uran		
All Units	852	530

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	530
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	0
BHTGR/VEER	21	6
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	111
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	425
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1802
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3221
	3143	3221