



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Apr/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	97.656	2469.055	1) Madhya Pradesh	55.088	1138.387
2) Hydro	37.730	658.160	2) Gujrat	25.872	591.198
3) Gas	16.268	335.081	3) Goa	-6.583	-149.313
Total MSGENCO	151.654	3462.296	4) TAPS 1&2 (Inj.)	7.136	133.981
B) OTHERS			5) Pench (Excess)	-0.656	-7.374
1) RGPPL Gas	33.966	802.028	# Total Cent. Sector	80.857	1706.879
2) Wind Generation	7.517	167.204	F) Other Exchanges		
3) CPP	4.889	103.295	1) With TPCL (Excess)	-8.912	-146.536
4) PENCH (MS)	0.656	7.374	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.433	145.561
1) TPCL Thermal	32.168	687.589	Include PX	0.000	17.257
2) TPCL Hydro	5.584	103.981	2) MUMBAI Bilateral	9.677	159.773
TOTAL TPCL	37.752	791.570	Include PX	2.741	16.782
3) REL Thermal	12.508	275.918	3) MUMBAI Schedule	9.677	161.313
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	142.332	3432.562	1) MSEDCL	270.627	6102.540
2) Hydro (A2+B3+C2)	43.970	769.515	2) TPCL	38.567	784.577
3) Gas (A3+B1)	50.234	1137.109	3) REL	20.605	429.410
4) Wind (B2)	7.517	167.204	TOTAL STATE	329.799	7316.527
5) CPP (B3)	4.889	103.295			
TOTAL STATE	248.942	5609.685			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4115	4157	3975
MSGENCO Hydro	1401	2200	1747
MSGENCO Gas	674	671	697
MSGENCO Total Generation	6190	7028	6419
Central Sector Receipt	3687	3612	2949
RGPPL	1401	1463	1360
WIND	214	173	513
CPP	198	196	201
Exchange with TPCL	-616	-266	-110
MSEDCL DEMAND MET	11099	12256	11332
Load Shedding	4328	4170	2062
MSEDCL DEMAND (INCL. LS)	15427	16426	13394
TPCL GENERATION	1825	1816	1236
REL GENERATION	519	525	522
TPCL+REL DEMAND	2960	2607	1868
STATE DEMAND MET	14059	14863	13200
STATE DEMAND (INCL. LS)	18387	19033	15262
Frequency (Hz)	48.99	48.93	49.23
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5723 MW at 14.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			116.85 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.69 Hz at 18.02 Hrs	48.69 Hz at 11.16 Hrs	49.11	33.36 % 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/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.66	37.20	79	64	72
Unit 2	1.24	20.14	68	38	54
Unit 3	1.30	36.44	74	25	60
Unit 4	1.25	34.05	72	25	70
Unit 5	2.90	66.29	147	95	100
Unit 6	2.99	67.25	152	103	130
Unit 7	2.90	93.54	146	65	95
	14.25	354.91			581
Bhusawal					
Unit 1	0.59	17.72	25	22	45
Unit 2	4.20	91.80	190	164	180
Unit 3	0.00	87.94	0	0	0
	4.79	197.46			225
Parli					
Unit 1	0.51	11.93	23	20	22
Unit 2	0.54	10.60	24	21	22
Unit 3	3.92	12.34	175	143	160
Unit 4	3.80	80.08	186	123	160
Unit 5	3.90	90.76	186	140	160
Unit 6	6.00	129.87	253	242	250
Unit 7	0.00	14.53	0	0	0
	18.67	350.10			774
Chandrapur					
Unit 1	0.00	23.81	0	0	0
Unit 2	0.00	48.63	0	0	0
Unit 3	3.99	65.53	182	145	200
Unit 4	4.12	94.06	191	144	190
Unit 5	0.00	150.03	0	0	0
Unit 6	0.00	0.32	0	0	0
Unit 7	10.19	226.21	448	340	450
	18.30	608.59			840
Paras					
Unit 2	0.47	18.06	23	17	44
Unit 3	5.65	109.59	255	217	230
Unit 4	0.00	45.45	0	0	0
	6.12	173.09			274
Khaparkheda					
Unit 1	4.97	107.96	214	197	210
Unit 2	4.33	96.90	190	170	180
Unit 3	4.48	90.23	193	171	190
Unit 4	4.48	100.21	192	163	190
	18.26	395.31			770
Nasik					
Unit 1	1.40	42.71	94	0	0
Unit 2	1.79	46.20	89	62	90
Unit 3	4.62	96.24	202	182	200
Unit 4	4.66	100.74	200	183	210
Unit 5	4.80	103.70	205	194	210
	17.27	389.60			710
Koyna					
Stage 1-2	8.16	141.36	555	55	600
Stage 4	20.99	326.67	1120	260	250
Stage 3	6.08	98.68	320	138	320
	35.24	566.71			1170
Kovna 12&4 Total	29.16	468.03			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.27	335.08	703	659	660
		16.27	335.08			660
Hydro						
KDPH		0.46	10.74	20	19	36
VTRNA		0.00	18.83	0	0	0
TILLARI		0.39	7.93	60	0	60
BHTGR/VEER		0.49	6.79	22	20	5
BHIRA T.R.		0.29	5.49	80	0	80
RNGR+BHTSA		0.28	6.39	12	11	5
BHANDARDRA		0.00	10.41	0	0	0
ELDARY		0.00	1.07	0	0	0
SMLHY PTN		0.57	17.22	32	20	29
GHATGHAR		0.00	6.58	0	0	0
		2.49	91.45			215
PENCH (MS)						
Pench (MS)		0.66	7.37	50	0	
		0.66	7.37			
Wind						
MalharPeth		0.15	4.52			
Vankuswadi		0.41	9.66			
ATIT		0.19	4.09			
Kale		0.15	4.56			
Satara		0.49	6.90			
Shirala		0.17	4.07			
K Mahankal		0.03	2.70			
Supa		0.25	3.56			
Vita		1.14	17.99			
Dondaicha		2.82	69.08			
Sakri		0.46	11.53			
Nandurbar		0.27	9.41			
Khadakale		0.74	10.91			
Khaparale		0.25	8.22			
		7.52	167.20			
CPP						
TOTAL CPP		4.89	103.30			
		4.89	103.30			
Dabhol						
RGPPL		33.97	802.03	1468	1359	1400
		33.97	802.03			1400
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	219.10	415	415	400
Trombay 6		11.87	242.04	510	350	500
Trombay 7A		2.76	61.56	116	112	120
Trombay 7B		1.56	34.62	66	64	60
Trombay 8		6.02	130.27	255	250	250
TATA Hydro		5.58	103.98	471	0	447
		37.75	791.57			1777
REL						
1&2		12.51	275.92	525	517	500
		12.51	275.92			500
Cent Sect						
Share						2992
						2992
MS PG CL	Thermal	97.66	2469.06			4174
	Thml+Gas	113.92	2804.14			4834
	Hydro	37.73	658.16			1385
	Total	151.65	3462.30			6219
State Total		248.94	5609.68			12888

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	4028	1763	684	6475	1359	422	211	2797	3156	-264	-260	11413	2394	13807	2280	16087	49.19
2	4049	1401	684	6134	1369	508	196	2703	2775	-170	-159	10873	2330	13203	2088	15291	49.27
3	4018	1742	685	6445	1360	536	206	2703	2880	-170	-128	11299	2112	13411	1964	15375	49.05
4	3975	1747	697	6419	1360	513	201	2632	2949	-170	-110	11332	2062	13394	1868	15262	49.23
5	3979	1917	696	6592	1371	468	196	2706	2829	-170	-100	11356	2206	13562	1818	15380	49.15
6	3906	1989	692	6587	1395	399	204	2549	3021	16	13	11619	2524	14143	1828	15971	48.92
7	3906	633	703	5242	1396	336	207	2747	3532	-25	24	10737	3714	14451	1844	16295	49.25
8	3918	998	696	5612	1396	249	206	2814	2884	-78	-32	10315	4016	14331	1928	16259	49.19
9	3997	767	684	5448	1396	174	212	2899	3113	-140	-133	10210	4325	14535	2202	16737	49.24
10	4076	897	682	5655	1401	236	209	3393	3572	-519	-489	10584	4406	14990	2564	17554	49.21
11	4103	1011	675	5789	1400	287	199	3502	3620	-542	-552	10743	4161	14904	2866	17770	49.24
12	4115	1401	674	6190	1401	214	198	3463	3687	-590	-616	11099	4328	15427	2960	18387	48.99
13	4133	1506	659	6298	1398	202	217	3505	4070	-731	-694	11516	4059	15575	2974	18549	49.17
14	4132	1594	664	6390	1401	249	211	3525	3905	-731	-695	11497	4128	15625	2899	18524	49.08
15	4185	1704	660	6549	1402	220	212	3406	3671	-731	-719	11385	4131	15516	2933	18449	48.92
16	4177	1456	661	6294	1454	271	209	3370	3759	-731	-693	11344	4341	15685	2981	18666	49.21
17	4111	1706	661	6478	1458	339	205	3370	3517	-731	-716	11331	4271	15602	2943	18545	49.04
18	4113	1694	668	6475	1464	413	199	3325	3438	-684	-669	11370	3976	15346	2826	18172	49.17
19	4108	1490	673	6271	1464	356	206	2855	3339	-348	-338	11348	4194	15542	2662	18204	49.23
20	4115	2124	668	6907	1462	218	198	3026	3329	-395	-347	11817	4408	16225	2695	18920	48.92
21	4157	2200	671	7028	1463	173	196	2957	3612	-333	-266	12256	4170	16426	2607	19033	48.93
22	4166	2058	676	6900	1464	174	198	3076	3522	-451	-383	11925	3993	15918	2541	18459	49.04
23	4104	2050	677	6831	1467	283	196	3101	3459	-475	-401	11885	3798	15683	2456	18139	48.99
24	4088	1882	678	6648	1468	280	197	3187	3218	-514	-449	11382	3625	15007	2445	17452	48.99
MUs	97.66	37.73	16.27	151.66	33.97	7.52	4.89	73.61	80.86	-9.68	-8.91	270.64	87.67	358.31	59.17	417.48	49.11

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/Apr/2010

Position as on 6.30 Hrs of 23/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	22/04/2010	06.57	Annual Overhaul	
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
Chandrapur Unit 2	210	18/04/2010	21.38		Continued.	Clinker Formation.	
Nasik Unit 1	125	20/04/2010	09:40	22/04/2010	07.15	Boiler Tube Leakage.	
Cent_Sect NTPC(K-4)	500	20/04/2010	22:26	22/04/2010	03.31	Boiler Tube Leakage.	
Bhusawal Unit 3	210	21/04/2010	01.00		Continued.	I.D.Fan problem.	23/04/2010
Paras Unit 4	250	21/04/2010	14.14		Continued.	Low Drum Level	24/04/2010
Cent_Sect NTPC(V-7)	500	22/04/2010	11.25		Continued.	Boiler Tube Leakage.	26/04/2010
Bhusawal Unit 2	210	23/04/2010	00.15		Continued.	Boiler Tube Leakage.	26/04/2010

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

Position as on 6.30 Hrs of 23/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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.
400 KV Bus Reactor at Nagothane	21/04/2010	08.55		Continued.	Repl.of rotary Insulator of B Bus
N.Koyna-jaigad-I	22/04/2010	15.20	22/04/2010	18.30	Wave Trap Work @ New Koyna End.
Karad-New Koyna II	23/04/2010	06.19		Continued.	To Attended Hot Spot @ Wave Trap.
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.	Augmentation of 100 MVA ICT by 200 MVA ICT
220 KV BusCoupler at Kharghar	21/04/2010	07.51		Continued.	O/H of SF6 Breaker
220/132KV,200 MVA ICT-III at Chinchwad	22/04/2010	06.33	22/04/2010	10.28	Q.M.Work.
Babaleshwar - Alephata	22/04/2010	07.53	22/04/2010	19.51	Q.M.Work.
Yavatmal-Pusad	22/04/2010	08.06	22/04/2010	15.25	Of All 3 Phases.Replacement of L A.
Jejuri-Phursungi	22/04/2010	08.19	22/04/2010	17.46	Renovation of 29 C & D Isolator.
Kurkumb-Bhigwan	22/04/2010	08.40	22/04/2010	14.15	Q.M.Work.
Khaparkheda - Kanhan - II	22/04/2010	09.13	22/04/2010	18.33	Testing of Auto Reclose Scheme.
220 KV Half Bus @ Yavatmal	22/04/2010	09.30	22/04/2010	13.07	Replacement of Control Box of 220 KV Bus Section Isolator.
Nasik - Ghatghar	22/04/2010	09.45	22/04/2010	19.00	Installation of WT & CC.
Main Bus Section & Lonand	22/04/2010	10.20	22/04/2010	12.20	Replacement of Insulator.
220/132KV 100MVA ICT-I at Parbhani	22/04/2010	10.45	22/04/2010	15.41	Attending Oil Leakage Through Cold Welding Method.
Murud-Bale	22/04/2010	15.55	22/04/2010	21.15	Relay Retrofitting Work.
Bableswhar-Bhenda	23/04/2010	06.00		Continued.	Outage.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Karad-Pedambe	22/04/2010	11.30	22/04/2010	14.00	For Commissioning of Breaker.
Borivali-Boisar	22/04/2010	12.30	22/04/2010	15.59	To Attend Hot Spot.@ Loc No.274 B.
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

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

Position as on 6.30 Hrs of 23/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Karad-Lonikand.	23/04/2010	06.10		Continued.	For New Koyna - Karad Outage.
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		
220/132KV 100MVA ICT-I at Parbhani	22/04/2010	09.53	22/04/2010	10.35	Backup Protection Operated.
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 23/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	65
Unit 2	105	55
Unit 3	105	60
Unit 4	105	40
Unit 5	200	100
Unit 6	210	55
Unit 7	210	120
	1040	495
Bhusawal		
Unit 1	58	25
Unit 2	210	0
Unit 3	210	0
	478	25
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	175
Unit 4	210	160
Unit 5	210	175
Unit 6	250	250
Unit 7	250	
	1190	804
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	450
	2340	790
Paras		
Unit 2	55	40
Unit 3	250	230
Unit 4	250	
	555	270
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
	840	770
Nasik		
Unit 1	120	95
Unit 2	120	65
Unit 3	210	200
Unit 4	210	200
Unit 5	210	210
	870	770
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	12
GHATGHAR	250	0
	611	208
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	3062
	3143	3062