



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/May/2010 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	84.771	1848.548	1) Madhya Pradesh	76.513	1333.375
2) Hydro	25.647	537.980	2) Gujrat	23.940	457.415
3) Gas	16.496	327.707	3) Goa	-7.118	-127.961
Total MSGENCO	126.914	2714.235	4) TAPS 1&2 (Inj.)	7.637	144.467
B) OTHERS			5) Pench (Excess)	-0.346	-5.802
1) RGPPL Gas	30.361	655.446	# Total Cent. Sector	100.626	1801.494
2) Wind Generation	16.949	196.132	F) Other Exchanges		
3) CPP	4.760	84.803	1) With TPCL (Excess)	-9.796	-167.386
4) PENCH (MS)	0.528	5.984	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	12.188	156.168
1) TPCL Thermal	31.766	649.166	Include PX	8.276	65.192
2) TPCL Hydro	5.179	65.731	2) MUMBAI Bilateral	10.014	182.800
TOTAL TPCL	36.945	714.897	Include PX	0.690	20.015
3) REL Thermal	12.501	249.406	3) MUMBAI Schedule	10.014	182.800
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	129.038	2747.120	1) MSEDCL	270.342	5290.708
2) Hydro (A2+B3+C2)	31.354	609.695	2) TPCL	38.034	721.855
3) Gas (A3+B1)	46.857	983.153	3) REL	21.209	409.885
4) Wind (B2)	16.949	196.132	TOTAL STATE	329.585	6422.448
5) CPP (B3)	4.760	84.803			
TOTAL STATE	228.958	4620.903			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3571	3306	3720
MSGENCO Hydro	836	1528	835
MSGENCO Gas	683	686	693
MSGENCO Total Generation	5090	5520	5248
Central Sector Receipt	4714	4857	3919
RGPPL	1248	1252	1262
WIND	755	468	717
CPP	191	247	194
Exchange with TPCL	-568	-705	27
MSEDCL DEMAND MET	11454	11680	11367
Load Shedding	4140	4249	2073
MSEDCL DEMAND (INCL. LS)	15594	15929	13440
TPCL GENERATION	1816	1674	1379
REL GENERATION	521	519	521
TPCL+REL DEMAND	2905	2898	1873
STATE DEMAND MET	14359	14578	13240
STATE DEMAND (INCL. LS)	18499	18827	15313
Frequency (Hz)	49.62	49.63	49.62
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			7086 MW at 17.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			133.30 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.35 Hz at 18.06 Hrs	49.1 Hz at 13.49 Hrs	49.6	0 % 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 20/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.73	33.42	80	63	70
Unit 2	1.62	31.30	80	57	70
Unit 3	1.00	33.84	81	0	70
Unit 4	0.00	3.38	0	0	0
Unit 5	3.22	47.12	155	108	140
Unit 6	2.96	53.92	150	72	120
Unit 7	3.26	64.50	150	120	120
	13.78	267.49			590
Bhusawal					
Unit 1	1.08	20.21	48	39	50
Unit 2	4.02	85.22	190	150	195
Unit 3	4.26	69.67	190	165	190
	9.35	175.11			435
Parli					
Unit 1	0.58	10.25	26	23	22
Unit 2	0.55	10.95	24	22	22
Unit 3	4.04	76.53	186	142	165
Unit 4	3.93	78.06	192	135	180
Unit 5	3.42	74.53	152	135	150
Unit 6	6.01	117.85	254	247	250
Unit 7	5.61	87.03	251	193	
	24.14	455.20			789
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.33	84.37	185	175	180
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
	4.33	84.37			180
Paras					
Unit 2	0.60	15.88	27	20	24
Unit 3	2.14	85.89	109	73	90
Unit 4	0.00	74.24	0	0	
	2.74	176.02			114
Khaparkheda					
Unit 1	3.36	87.72	195	65	160
Unit 2	2.59	81.84	178	0	165
Unit 3	3.32	87.13	184	76	170
Unit 4	3.42	81.27	189	88	170
	12.69	337.95			665
Nasik					
Unit 1	2.25	38.14	101	89	95
Unit 2	2.02	41.87	100	61	90
Unit 3	4.62	92.77	204	184	200
Unit 4	4.32	88.86	190	167	190
Unit 5	4.52	90.77	196	179	200
	17.74	352.40			775
Koyna					
Stage 1-2	3.84	114.36	415	40	600
Stage 4	15.76	278.05	1095	0	250
Stage 3	3.58	84.25	316	0	320
	23.18	476.66			1170
Kovna 12&4 Total	19.60	392.41			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.50	327.71	696	678	670
		16.50	327.71			670
Hydro						
KDPH		0.40	7.24	17	16	17
VTRNA		0.49	6.60	61	0	60
TILLARI		0.00	6.28	0	0	58
BHTGR/VEER		0.12	7.96	5	5	19
BHIRA T.R.		0.23	2.72	74	0	80
RNGR+BHTSA		0.22	5.28	9	9	9
BHANDARDRA		0.48	9.95	20	20	20
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.50	11.36	29	19	8
GHATGHAR		0.03	3.94	28	0	0
		2.47	61.32			271
PENCH (MS)						
Pench (MS)		0.53	5.98	48	0	
		0.53	5.98			
Wind						
MalharPeth		0.63	4.90			
Vankuswadi		1.09	10.66			
ATIT		0.90	4.16			
Kale		0.70	5.29			
Satara		0.92	7.76			
Shirala		0.57	4.93			
K Mahankal		0.17	3.98			
Supa		0.26	3.91			
Vita		1.44	17.24			
Dondaicha		6.62	86.12			
Sakri		0.77	12.89			
Nandurbar		0.93	11.38			
Khadakale		1.10	13.62			
Khaparale		0.83	9.28			
		16.95	196.13			
CPP						
TOTAL CPP		4.76	84.80			
		4.76	84.80			
Dabhol						
RGPPL		30.36	655.45	1350	1239	1220
		30.36	655.45			1220
Tata						
Trombay 4		2.68	38.86	114	108	100
Trombay 5		9.96	196.18	415	415	415
Trombay 6		11.41	209.48	510	310	500
Trombay 7A		2.80	55.82	119	115	120
Trombay 7B		1.57	31.26	66	64	60
Trombay 8		3.34	117.58	250	0	250
TATA Hydro		5.18	65.73	459	0	447
		36.94	714.90			1892
REL						
1&2		12.50	249.41	523	518	500
		12.50	249.41			500
Cent Sect						
Share						3513
						3513
MS PG CL	Thermal	84.77	1848.55			3548
	Thml+Gas	101.27	2176.26			4218
	Hydro	25.65	537.98			1441
	Total	126.91	2714.24			5659
State Total		228.96	4620.90			12784

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/May/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	3723	1460	686	5869	1260	584	192	3152	3584	-332	-279	11210	1855	13065	2327	15392	49.40
2	3727	1231	688	5646	1259	640	194	3062	3335	-242	-178	10896	2281	13177	2139	15316	49.42
3	3678	1215	691	5584	1260	668	193	2968	3760	-144	-81	11384	2146	13530	2011	15541	49.53
4	3687	969	693	5349	1262	685	194	2862	3919	-38	22	11431	2038	13469	1891	15360	49.58
5	3720	835	693	5248	1262	717	194	2864	3919	-38	27	11367	2073	13440	1873	15313	49.62
6	3764	1079	693	5536	1267	793	192	2865	3779	-38	22	11589	2559	14148	1872	16020	49.67
7	3759	177	696	4632	1266	729	174	3073	3241	-67	-9	10033	3902	13935	1852	15787	49.67
8	3787	109	694	4590	1264	712	149	3230	3851	-226	-159	10407	4180	14587	1952	16539	49.70
9	3765	129	684	4578	1259	740	194	3271	4093	-308	-256	10608	4363	14971	2159	17130	49.63
10	3728	215	684	4627	1256	731	186	3588	4501	-485	-438	10863	4386	15249	2542	17791	49.71
11	3648	368	689	4705	1250	722	185	3643	4538	-532	-483	10934	4329	15263	2796	18059	49.62
12	3571	836	683	5090	1248	755	191	3737	4714	-626	-568	11454	4140	15594	2905	18499	49.62
13	3593	1815	679	6087	1244	650	198	3789	4552	-710	-724	12031	3983	16014	2917	18931	49.51
14	3544	1677	678	5899	1239	451	217	3797	4741	-710	-726	11845	3936	15781	2884	18665	49.44
15	3458	1580	683	5721	1247	405	220	3727	4527	-734	-747	11415	4638	16053	2939	18992	49.59
16	3474	1264	682	5420	1248	463	226	3588	4292	-757	-788	10903	4803	15706	2980	18686	49.61
17	3306	1528	686	5520	1252	468	247	3548	4857	-693	-705	11680	4249	15929	2898	18827	49.63
18	3287	1422	690	5399	1259	546	204	3477	4660	-599	-658	11452	4123	15575	2855	18430	49.69
19	3314	243	687	4244	1264	822	205	3465	4966	-498	-551	10998	4407	15405	2657	18062	49.87
20	3305	1319	683	5307	1300	894	202	3536	4052	-457	-512	11284	4410	15694	2635	18329	49.55
21	3272	1692	696	5660	1261	1032	202	3554	3939	-457	-513	11622	3922	15544	2659	18203	49.58
22	3262	1669	685	5616	1263	989	203	3569	4151	-457	-516	11754	3583	15337	2549	17886	49.57
23	3182	1517	687	5386	1321	935	202	3590	4352	-457	-512	11731	3024	14755	2484	17239	49.64
24	3217	1298	686	5201	1350	818	196	3371	4303	-408	-464	11451	2993	14444	2466	16910	49.54
MUs	84.77	25.65	16.50	126.91	30.36	16.95	4.76	81.33	100.63	-10.01	-9.80	270.34	86.32	356.66	59.24	415.91	49.60

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 20/May/2010

Position as on 6.30 Hrs of 21/May/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)	30/12/2010
Chandrapur Unit 6	500	01/04/2010	01.15		Continued.	Annual Overhaul	16/06/2010
Chandrapur Unit 1	210	08/04/2010	08.36		Continued.	Annual Overhaul	30/05/2010
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.	15/06/2010
Chandrapur Unit 2	210	18/04/2010	21.38		Continued.	Clinker Formation.	30/05/2010
Chandrapur Unit 7	500	25/04/2010	00.23		Continued.	Water Balancing Problem.	30/06/2010
Chandrapur Unit 4	210	28/04/2010	22.53		Continued.	Water Balancing problem	15/06/2010
Cent_Sect NTPC(V-4)	210	19/05/2010	17:09		Continued.	Annual O/H .	09/06/2010
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	
Cent_Sect NTPC(K-4)	500	09/05/2010	07.00		Continued.	Boiler Tube Leakage.	22/05/2010
Koradi Unit 4	115	18/05/2010	10.24	21/05/2010	07.05	CHP Bunkering problem.	
Paras Unit 4	250	19/05/2010	04.50		Continued.	Water valve leakage.	
Dabhol 1B	230	19/05/2010	23.37	20/05/2010	18:39	Flame failure.	
Koyna ST-IV 2	250	20/05/2010	04.15	21/05/2010	10.17	Static prot.device fault.	
Tata Trombay 8	250	20/05/2010	11:55	20/05/2010	20:57	Drum level low.	
Koradi Unit 3	105	20/05/2010	13:55		Continued.	Vibration problem.	22/05/2010
Khaparkheda Unit 2	210	20/05/2010	17:33		Continued.	CHP problem.	22/05/2010
Dabhol 1B	230	20/05/2010	19:40	20/05/2010	22:09	Tripped.	
Khaparkheda Unit 3	210	21/05/2010	00:14	21/05/2010	05:00	Furance preesure high.	
Uran Unit 6	108	21/05/2010	01:14		Continued.	Filter replacement and inspection work.	21/05/2010
Cent_Sect NTPC(V) 9	500	21/05/2010	05:43		Continued.	Boiler Tube Leakage.	24/05/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/May/2010

Position as on 6.30 Hrs of 21/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudsungi-Amona	17/05/2010	13.33		Continued.	Erection of 220 KV multi ckt tower.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Mansar-Pench	20/05/2010	06:16	20/05/2010	13:00	Attending Y ph damaged conductor loc. no. 95-96.
Kanhan - Pench - I	20/05/2010	06:37	20/05/2010	12:53	Attending Y ph damaged conductor loc. no. 95-96.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
Wardha - Akola - II	29/04/2010	11.37		Continued.	Due to line loading.
Dhule-S'Sarovar I	15/05/2010	23.44		Continued.	Hand Tripped For Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor of LN at Parli.	13/05/2010	07.58		Continued.	Overhauling of line reactor of Lonikand -I at Parli.
C'pur-Parli CKT .I	15/05/2010	11.22		Continued.	Taken on TBC.Due to M.B.Prob.
Main Breaker at Jejuri	19/05/2010	17.56		Continued.	Attending oil leakage.
400/220 KV 500 MVA ICT-I at Jejuri	20/05/2010	01.21	20/05/2010	06.09	Conservator oil topping up.
Babaleshwar-Dhule CKT - I	20/05/2010	07:15	20/05/2010	19:45	Replacement of flashover insulator.
C'pur-Parli II	20/05/2010	08:22	20/05/2010	16:35	Q.M. Work.
400 KV Bus coupler at Chakan	20/05/2010	09:22	20/05/2010	11:08	Tripped due to malfunction.
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,100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT tobe replaced with new 200MVA ICT
220/132 150MVA ICT-II at Nanded	29/04/2010	08.30		Continued.	Augumentation By 200 MVA ICT.
220/132kv 100MVA ICT-III at padegaon	12/05/2010	13.30		Continued.	Replacement of 100 MVA ICT By 200 MVA ICT.
Ghatghar-Jindal	18/05/2010	11.03		Continued.	Conductor replacement.
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
Lonikand - Bhosari	20/05/2010	04.59	20/05/2010	11:08	Replacement of W/T to CT jumper and attending red hot spot.
Momewadi -Halkarni	20/05/2010	08:02	20/05/2010	17:40	Errection of multitower circuit.
URAN_HOCL	20/05/2010	10:32	20/05/2010	15:44	Line maintenance.
Kandalgaon-Bhira	20/05/2010	13:10	20/05/2010	15:35	Maintenance work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	16/05/2010	20.38	20/05/2010	09:58	H/T for Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
BBLSR-RANJANGAON	20/05/2010	22:37	20/05/2010	22:39	H/T to attend 29 B R'ph isolator hot spot.
Babaleshwar - Alephata	20/05/2010	22:43	20/05/2010	22:50	H/T to Change over Bus.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5/6.6 KV 70 MVA	25/04/2010	03.59		Continued.	B-Ph,HV bushing burst and caught fire.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/May/2010

Position as on 6.30 Hrs of 21/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Stn.T/F 5B at 400KV Khaparkheda					
C'pur-Parli CKT .I	19/05/2010	15.18	20/05/2010	03.15	Distance protection.no fault found in petrolling.
C'pur-Parli CKT .I	20/05/2010	08:21	20/05/2010	08:51	Tripped for remote fault at C'pur.
Koradi - Kaparkheda	21/05/2010	06:09	21/05/2010	07.20	Over voltage.
Chandrapur-Khaparkheda	21/05/2010	06:09	21/05/2010	07.20	Over Voltage.
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph CT Burst.
132 KV Capaciter Bank @ Nanded	24/04/2010	21.45		Continued.	Capaciter Bank Breaker Burst.
Kardha-Sakoli	07/05/2010	17.40		Continued.	Y phase Breaker Pole Burst at Kardha
Harangul - Udgir	20/05/2010	03:46	20/05/2010	04:09	Distance protection R-ph.
Kanhan - Mankapur.	20/05/2010	16:14	20/05/2010	16:25	Descrpancy.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	60
Unit 3	105	0
Unit 4	105	0
Unit 5	200	100
Unit 6	210	100
Unit 7	210	90
	1040	430
Bhusawal		
Unit 1	58	45
Unit 2	210	190
Unit 3	210	190
	478	425
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	185
Unit 4	210	150
Unit 5	210	150
Unit 6	250	250
Unit 7	250	0
	1190	779
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	180
Unit 4	210	0
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	180
Paras		
Unit 2	55	24
Unit 3	250	90
Unit 4	250	0
	555	114
Khaparkheda		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	80
Unit 4	210	130
	840	370
Nasik		
Unit 1	120	95
Unit 2	120	90
Unit 3	210	200
Unit 4	210	190
Unit 5	210	200
	870	775
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	520

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	520
Hydro		
KDPH	40	17
VTRNA	60	60
TILLARI	60	58
BHTGR/VEER	21	19
BHIRA T.R.	80	80
RNGR+BHTSA	20	9
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	271
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	100
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1977
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3551
	3143	3551