



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/May/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	80.448	1928.996	1) Madhya Pradesh	75.856	1409.231
2) Hydro	16.162	554.142	2) Gujrat	21.593	479.008
3) Gas	12.927	340.634	3) Goa	-7.010	-134.971
Total MSGENCO	109.537	2823.772	4) TAPS 1&2 (Inj.)	6.807	151.274
B) OTHERS			5) Pench (Excess)	-0.816	-6.618
1) RGPPL Gas	37.156	692.602	# Total Cent. Sector	96.430	1897.924
2) Wind Generation	20.213	216.345	F) Other Exchanges		
3) CPP	3.777	88.580	1) With TPCL (Excess)	-9.159	-176.545
4) PENCH (MS)	0.816	6.800	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	11.801	167.969
1) TPCL Thermal	34.095	683.261	Include PX	8.243	73.436
2) TPCL Hydro	4.308	70.039	2) MUMBAI Bilateral	10.395	193.195
TOTAL TPCL	38.403	753.300	Include PX	1.004	21.019
3) REL Thermal	12.518	261.924	3) MUMBAI Schedule	10.395	193.195
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	127.061	2874.181	1) MSEDCL	258.770	5549.478
2) Hydro (A2+B3+C2)	21.286	630.981	2) TPCL	37.810	759.665
3) Gas (A3+B1)	50.083	1033.236	3) REL	22.269	432.154
4) Wind (B2)	20.213	216.345	TOTAL STATE	318.849	6741.297
5) CPP (B3)	3.777	88.580			
TOTAL STATE	222.420	4843.323			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3137	3657	3029
MSGENCO Hydro	285	817	518
MSGENCO Gas	518	516	518
MSGENCO Total Generation	3940	4990	4065
Central Sector Receipt	4951	3924	4269
RGPPL	1556	1549	1558
WIND	631	915	927
CPP	128	145	169
Exchange with TPCL	-614	-649	-152
MSEDCL DEMAND MET	10639	10921	10836
Load Shedding	4316	4428	2111
MSEDCL DEMAND (INCL. LS)	14955	15349	12947
TPCL GENERATION	1810	1752	1339
REL GENERATION	521	521	523
TPCL+REL DEMAND	2945	2922	2014
STATE DEMAND MET	13584	13843	12850
STATE DEMAND (INCL. LS)	17900	18271	14961
Frequency (Hz)	49.62	49.51	49.60
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			6779 MW AT 13.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			124.58 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.18 Hz at 18.05 Hrs	48.78 Hz at 23.11 Hrs	49.61	1.02 % 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 21/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.57	35.00	84	31	80
Unit 2	1.49	32.80	74	40	60
Unit 3	0.00	33.84	0	0	0
Unit 4	0.72	4.10	66	0	0
Unit 5	2.79	49.91	137	75	100
Unit 6	2.93	56.85	150	100	100
Unit 7	3.01	67.51	160	50	90
	12.52	280.01			430
Bhusawal					
Unit 1	0.96	21.17	45	33	45
Unit 2	4.27	89.49	190	150	190
Unit 3	4.20	73.87	195	160	190
	9.43	184.54			425
Parli					
Unit 1	0.59	10.84	26	23	22
Unit 2	0.55	11.50	24	20	22
Unit 3	4.27	80.80	220	158	185
Unit 4	3.91	81.97	192	126	150
Unit 5	3.33	77.86	155	129	150
Unit 6	6.00	123.85	251	247	250
Unit 7	4.45	91.48	249	0	0
	23.10	478.31			779
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.25	88.62	187	153	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
	4.25	88.62			180
Paras					
Unit 2	0.56	16.45	26	22	24
Unit 3	2.82	88.71	167	40	90
Unit 4	0.00	74.24	0	0	0
	3.38	179.40			114
Khaparkheda					
Unit 1	4.17	91.89	205	95	160
Unit 2	1.67	83.51	185	0	0
Unit 3	1.44	88.57	196	0	80
Unit 4	2.66	83.93	188	0	130
	9.94	347.89			370
Nasik					
Unit 1	2.24	40.37	99	85	95
Unit 2	2.21	44.08	99	78	90
Unit 3	4.48	97.26	202	155	200
Unit 4	4.39	93.26	196	165	190
Unit 5	4.50	95.27	196	182	200
	17.83	370.23			775
Koyna					
Stage 1-2	3.72	118.08	405	40	600
Stage 4	6.75	284.80	974	0	250
Stage 3	2.47	86.72	226	0	320
	12.94	489.60			1170
Kovna 12&4 Total	10.47	402.88			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		12.93	340.63	684	515	520
		12.93	340.63			520
Hydro						
KDPH		0.39	7.64	17	16	17
VTRNA		0.46	7.07	61	0	60
TILLARI		0.00	6.28	0	0	58
BHTGR/VEER		0.43	8.39	18	18	19
BHIRA T.R.		0.24	2.96	79	0	80
RNGR+BHTSA		0.26	5.55	11	11	9
BHANDARDRA		0.48	10.43	20	20	20
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.62	11.98	26	26	8
GHATGHAR		0.32	4.26	125	0	0
		3.22	64.54			271
PENCH (MS)						
Pench (MS)		0.82	6.80	48	0	
		0.82	6.80			
Wind						
MalharPeth		0.77	5.67			
Vankuswadi		1.74	12.40			
ATIT		0.99	5.15			
Kale		0.89	6.18			
Satara		1.29	9.05			
Shirala		0.73	5.66			
K Mahankal		0.21	4.19			
Supa		0.20	4.11			
Vita		2.34	19.59			
Dondaicha		7.30	93.42			
Sakri		0.92	13.81			
Nandurbar		0.97	12.36			
Khadakale		0.72	14.33			
Khaparale		1.14	10.43			
		20.21	216.34			
CPP						
TOTAL CPP		3.78	88.58			
		3.78	88.58			
Dabhol						
RGPPL		37.16	692.60	1565	1490	1520
		37.16	692.60			1520
Tata						
Trombay 4		2.68	41.55	113	108	100
Trombay 5		10.96	207.14	415	415	500
Trombay 6		10.74	220.22	510	300	500
Trombay 7A		2.81	58.62	119	115	120
Trombay 7B		1.57	32.83	67	65	60
Trombay 8		5.33	122.91	250	162	250
TATA Hydro		4.31	70.04	422	0	447
		38.40	753.30			1977
REL						
1&2		12.52	261.92	524	520	500
		12.52	261.92			500
Cent Sect						
Share						3551
						3551
MS PG CL	Thermal	80.45	1929.00			3073
	Thml+Gas	93.38	2269.63			3593
	Hydro	16.16	554.14			1441
	Total	109.54	2823.77			5034
State Total		222.42	4843.32			12582

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	3120	1002	684	4806	1490	854	169	3194	4061	-324	-298	11093	1720	12813	2263	15076	49.61
2	3089	553	537	4179	1565	935	168	3100	3949	-234	-203	10593	2239	12832	2147	14979	49.76
3	3029	518	518	4065	1558	927	169	3054	4269	-189	-152	10836	2111	12947	2014	14961	49.60
4	3113	567	520	4200	1541	915	169	2896	4373	-31	-1	11197	2002	13199	1829	15028	49.68
5	3140	852	520	4512	1533	922	167	2896	4241	-30	12	11387	2032	13419	1821	15240	49.61
6	3160	1483	520	5163	1536	971	168	2895	3829	-30	6	11673	2594	14267	1824	16091	49.60
7	3195	448	522	4165	1536	855	149	3025	3142	-230	-175	9696	4205	13901	1942	15843	49.64
8	3148	226	517	3891	1534	892	127	3023	3606	-230	-196	9878	4489	14367	1946	16313	49.53
9	3139	398	526	4063	1536	900	127	3162	3433	-365	-321	9786	4678	14464	2170	16634	49.62
10	3119	214	524	3857	1548	692	126	3405	4854	-511	-471	10654	4681	15335	2517	17852	49.66
11	3111	454	520	4085	1563	630	128	3413	3955	-559	-518	9891	4592	14483	2806	17289	49.67
12	3137	285	518	3940	1556	631	128	3486	4951	-651	-614	10639	4316	14955	2945	17900	49.62
13	3259	813	516	4588	1554	622	127	3515	5240	-722	-632	11546	4111	15657	2978	18635	49.64
14	3335	847	515	4697	1552	660	130	3485	4238	-651	-565	10759	3875	14634	2850	17484	49.60
15	3443	827	516	4786	1550	738	159	3493	4224	-722	-637	10867	4081	14948	2945	17893	49.64
16	3573	912	516	5001	1546	739	161	3383	3767	-746	-658	10604	4501	15105	2985	18090	49.57
17	3657	817	516	4990	1549	915	145	3415	3924	-736	-649	10921	4428	15349	2922	18271	49.51
18	3675	325	536	4536	1559	984	131	3413	4055	-699	-612	10700	4224	14924	2821	17745	49.70
19	3609	193	543	4345	1560	1094	161	3375	3553	-541	-495	10266	4498	14764	2650	17414	49.73
20	3669	597	604	4870	1554	964	201	3392	3523	-449	-424	10735	4625	15360	2663	18023	49.50
21	3700	520	560	4780	1559	909	204	3405	4045	-449	-402	11142	4154	15296	2594	17890	49.58
22	3679	1049	562	5290	1561	875	203	3419	3896	-449	-400	11472	3872	15344	2494	17838	49.60
23	3703	847	546	5096	1560	794	190	3384	4034	-449	-403	11318	3108	14426	2499	16925	49.56
24	3645	1415	571	5631	1556	795	170	3171	3268	-400	-351	11116	3082	14198	2455	16653	49.34
MUs	80.45	16.16	12.93	109.54	37.16	20.21	3.78	78.40	96.43	-10.39	-9.16	258.77	88.22	346.99	59.08	406.07	49.61

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 21/May/2010

Position as on 6.30 Hrs of 22/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.	23/05/2010
Koyna ST-IV 2	250	20/05/2010	04.15	21/05/2010	10.17	Static prot.device fault.	
Koradi Unit 3	105	20/05/2010	13:55		Continued.	Vibration problem.	22/05/2010
Khaparkheda Unit 2	210	20/05/2010	17:33	21/05/2010	13.04	CHP problem.	
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	21/05/2010	17.18	Filter replacement & inspection work.	
Cent_Sect NTPC(V) 9	500	21/05/2010	05:43		Continued.	Boiler Tube Leakage.	24/05/2010
Parli Unit 7	250	21/05/2010	07.25	21/05/2010	10.40	Flame Failure.	
Khaparkheda Unit 3	210	21/05/2010	08.55	21/05/2010	14.13	Furnance Pressure Low.	
Khaparkheda Unit 4	210	21/05/2010	17.56		Continued.	Economiser Tube Leakage.	24/05/2010
Uran Unit 5	108	21/05/2010	21.24	21/05/2010	22.14	Damper Discrepancy.	
Cent_Sect sipat-5	500	21/05/2010	23.05		Continued.	Generator Protection Operated.	23/05/2010
Nasik Unit 1	125	22/05/2010	05.32		Continued.	Boiler Problem.	22/05/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/May/2010

Position as on 6.30 Hrs of 22/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 : 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.
Lonikand-Kalwa	21/05/2010	07.24	21/05/2010	18.20	Replacement of Faulty Disc.Insulators.
400/220KV 315MVA ICT-III at Padgha	21/05/2010	08.34	21/05/2010	18.47	Q.M.Work.
Koradi - Bhusawal	21/05/2010	08.48		Continued.	Replacement of CVT.
400 KV Bus Coupler at Parli.	21/05/2010	10.39	21/05/2010	13.04	To Attend Hot Spot.
N.Koyna-jaigad-I	21/05/2010	12.28		Continued.	Maintenance Work.
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 to be 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	21/05/2010	17.05	Conductor replacement.
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
220/33 KV 100 MVA T/F - I @ Ghodbandar	21/05/2010	06.19	21/05/2010	07.27	Premonsoon Maintenance Work.
220/33 KV 100 MVA T/F - II @ Ghodbandar	21/05/2010	07.35	21/05/2010	08.35	Premonsoon Maintenance Work.
Pedambe - Tambati	21/05/2010	08.05	21/05/2010	18.45	Bay Maintenance Work.
Mumewadi-Halkarni-II	21/05/2010	08.10	21/05/2010	18.10	Erection of M/C Tower for 220KV Halkarni
Temghar-Colourchem	21/05/2010	08.35	21/05/2010	11.52	Tan delta Measurement.
Parbhani-Pusad	21/05/2010	08.41	21/05/2010	17.00	Earth Wire Replacement.
220/33 KV 50 MVA ICT-II @ Boisar	21/05/2010	09.05	21/05/2010	14.24	Bay Maintenance Work.
Kalwa - Khargar	21/05/2010	09.12	21/05/2010	13.37	Tan delta Measurement of CT & R.M.Work.
Mudshingi-Wathar	21/05/2010	10.40	21/05/2010	19.35	String Replacement Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
BBLSR - Dhule - II	21/05/2010	07.12	21/05/2010	07.29	For Interchanging the Bus.
C'pur-Parli II	22/05/2010	00.31		Continued.	Hand Tripped for Over Voltage.
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 21/May/2010

Position as on 6.30 Hrs of 22/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Stn.T/F 5B at 400KV Khaparkheda					
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 : 220KV			Outage Type TRIPPED		
Akola - Badnera - II	21/05/2010	16.50	21/05/2010	17.00	Distance Protection.
Akola - Badnera - II	21/05/2010	19.02		Continued.	Distance Protection.
BBLSR-Chalisgaon	22/05/2010	00.07		Continued.	Distance Protection.
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
Chalisgaon - Kannad	21/05/2010	18.52	21/05/2010	19.02	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	0
Unit 4	105	60
Unit 5	200	135
Unit 6	210	120
Unit 7	210	135
	1040	590
Bhusawal		
Unit 1	58	50
Unit 2	210	180
Unit 3	210	190
	478	420
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	180
Unit 4	210	180
Unit 5	210	150
Unit 6	250	250
Unit 7	250	0
	1190	804
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	140
Unit 4	250	0
	555	164
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	0
	840	580
Nasik		
Unit 1	120	0
Unit 2	120	90
Unit 3	210	200
Unit 4	210	190
Unit 5	210	200
	870	680
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	670

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	670
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	415
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1892
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3194
	3143	3194