



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Apr/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	119.730	2599.833	1) Madhya Pradesh	60.682	1211.545
2) Hydro	19.259	465.485	2) Gujrat	20.538	454.347
3) Gas	12.232	282.661	3) Goa	-5.907	-127.831
Total MSGENCO	151.221	3347.979	4) TAPS 1&2 (Inj.)	7.072	150.682
B) OTHERS			5) Pench (Excess)	-0.199	-3.304
1) RGPPL Gas	15.265	229.640	# Total Cent. Sector	82.186	1685.439
2) Wind Generation	13.490	129.257	F) Other Exchanges		
3) PENCH (MS)	0.199	3.576	1) With TPCL	-7.976	-102.856
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.545	648.186	1) MSEDCL Bilateral	5.378	155.775
2) TPCL Hydro	5.521	85.633	Include PX	0.212	13.566
TOTAL TPCL	33.066	733.819	2) MUMBAI Bilateral	9.067	123.622
3) REL Thermal	12.588	265.595	Include PX	2.584	20.401
D) STATE			3) MUMBAI Schedule	9.067	125.172
1) Thermal (A1+C1+C3)	159.863	3513.614	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	24.979	554.694	1) MSEDCL	254.385	5296.443
3) Gas (A3+B1)	27.497	512.301	2) TPCL	35.670	732.682
4) Wind (B2)	13.490	129.257	3) REL	17.959	369.558
TOTAL STATE	225.829	4709.866	TOTAL STATE	308.014	6398.683

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5076	5150	4849
MSGENCO Hydro	787	1401	369
MSGENCO Gas	452	651	434
MSGENCO Total Generation	6315	7202	5652
Central Sector Receipt	3709	3698	3232
RGPPL	633	637	639
WIND	401	347	682
Exchange with TPCL	-575	-377	-123
MSEDCL DEMAND MET	10483	11554	10082
Load Shedding	3290	3021	1564
MSEDCL DEMAND (INCL. LS)	13773	14575	11646
TPCL GENERATION	1530	1524	1172
REL GENERATION	523	523	527
TPCL+REL DEMAND	2628	2424	1822
STATE DEMAND MET	13111	13978	11904
STATE DEMAND (INCL. LS)	16401	16999	13468
Frequency (Hz)	49.31	49.32	49.57
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3898 MW At 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			72.11 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.07 Hz at 18.05 Hrs	48.86 Hz at 20.21 Hrs	49.4	4.36 % 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 21/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.72	34.17	80	51	75
Unit 2	1.82	24.18	82	70	75
Unit 3	0.00	23.29	0	0	0
Unit 4	0.00	17.08	0	0	0
Unit 5	3.73	78.87	180	136	150
Unit 6	3.78	80.00	186	139	150
Unit 7	3.63	78.22	167	123	150
	14.68	335.82			600
Bhusawal					
Unit 1	0.57	17.12	26	22	25
Unit 2	4.10	87.47	177	162	180
Unit 3	4.17	88.56	176	166	175
	8.84	193.14			380
Parli					
Unit 1	0.52	11.64	22	19	20
Unit 2	0.57	12.27	25	21	20
Unit 3	3.40	68.24	146	137	140
Unit 4	3.54	73.24	150	142	140
Unit 5	3.51	70.94	158	136	140
Unit 6	5.45	112.30	243	215	220
	16.99	348.64			680
Chandrapur					
Unit 1	4.10	84.64	175	165	170
Unit 2	4.02	84.46	172	147	170
Unit 3	4.92	96.78	212	185	210
Unit 4	0.01	90.77	7	0	0
Unit 5	9.26	190.01	466	315	375
Unit 6	8.25	185.29	390	295	350
Unit 7	8.87	188.52	408	347	400
	39.44	920.48			1675
Paras					
Unit 2	0.96	20.65	52	30	45
Unit 3	5.44	82.29	252	176	240
	6.40	102.94			285
Khaparkheda					
Unit 1	4.12	94.55	187	154	175
Unit 2	4.33	92.91	190	175	175
Unit 3	4.02	78.71	178	155	175
Unit 4	4.32	95.35	187	174	175
	16.79	361.52			700
Nasik					
Unit 1	2.22	29.06	98	88	90
Unit 2	1.74	37.53	93	58	90
Unit 3	4.28	93.98	186	172	170
Unit 4	4.16	92.87	179	168	170
Unit 5	4.19	83.86	180	171	170
	16.60	337.30			690
Uran					
All Units	12.23	282.66	652	430	420
	12.23	282.66			420
Koyna					
Stage 1-2	2.86	79.56	330	35	600
Stage 4	10.10	244.74	1007	0	250
Koyna 12&4 Total	12.97	324.29			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.76	68.40	240	0	320
	15.72	392.70			1170
Hydro					
KDPH	0.31	10.38	39	0	36
VTRNA	1.21	5.54	61	0	60
TILLARI	0.36	8.00	61	0	60
BHTGR/VEER	0.98	16.93	41	40	38
BHIRA T.R.	0.25	4.68	84	0	80
RNGR+BHTSA	0.36	7.14	16	15	13
BHANDARDRA	0.00	12.34	0	0	5
ELDARY	0.00	0.30	0	0	0
PAITHAN	0.06	0.91	10	0	0
GHATGHAR	0.00	6.56	0	0	0
	3.53	72.79			292
PENCH (MS)					
Pench (MS)	0.20	3.58	47	0	
	0.20	3.58			
Wind					
MalharPeth	0.43	5.18			
Vankuswadi	0.84	12.04			
ATIT	0.14	2.19			
Kale	0.09	3.01			
Satara	0.33	4.91			
Shirala	0.33	4.95			
K Mahankal	0.30	2.34			
Supa	0.16	4.46			
Vita	1.49	19.22			
Dondaicha	6.23	42.98			
Sakri	1.12	7.39			
Nandurbar	0.78	5.92			
Khadakale	0.59	10.32			
Khaparale	0.67	4.34			
	13.49	129.26			
Dabhol					
RGPP L II	15.26	229.64	641	629	580
RGPP L III	0.00	0.00	0	0	
	15.26	229.64			580
Tata					
Trombay 4	0.00	6.65	0	0	0
Trombay 5	12.12	248.72	505	505	500
Trombay 6	11.79	243.22	510	400	500
Trombay 7A	2.39	51.80	105	90	120
Trombay 7B	1.25	31.21	62	0	60
Trombay 8	0.00	66.60	0	0	0
TATA Hydro	5.52	85.63	433	0	447
	33.07	733.82			1627
REL					
1&2	12.59	265.60	529	519	500
	12.59	265.60			500
Cent Sect					
Share					3638
					3638

MS PG CL	Thermal	119.73	2599.83		5010
	Thml+Gas	131.96	2882.49		5430
	Hydro	19.26	465.48		1462
	Total	151.22	3347.98		6892
State Total		225.83	4709.87		13237

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/Apr/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	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	4882	624	430	5936	640	647	3079	3219	-224	-182	10260	1559	11819	2005	13824	49.53
2	4849	369	434	5652	639	682	3034	3232	-174	-123	10082	1564	11646	1822	13468	49.57
3	4858	404	444	5706	639	700	2972	3270	-80	-28	10287	1494	11781	1688	13469	49.59
4	4817	525	448	5790	638	683	2893	3276	-53	-3	10384	1482	11866	1620	13486	49.67
5	4814	937	448	6199	639	671	2868	3159	-65	-17	10651	1759	12410	1616	14026	49.42
6	4872	953	449	6274	641	588	2921	3158	-65	-19	10642	2233	12875	1626	14501	49.25
7	4968	331	446	5745	636	599	3003	3169	-91	-44	10105	3419	13524	1655	15179	49.70
8	5026	219	445	5690	636	605	3176	2996	-161	-118	9809	3707	13516	1824	15340	49.58
9	5109	191	441	5741	638	474	3396	3107	-184	-143	9817	3718	13535	2010	15545	49.51
10	5140	351	439	5930	636	445	3710	3562	-489	-454	10119	3649	13768	2388	16156	49.47
11	5076	787	452	6315	633	401	3809	3709	-606	-575	10483	3290	13773	2628	16401	49.31
12	4955	1368	456	6779	633	484	3652	3554	-701	-673	10777	3287	14064	2771	16835	49.26
13	4910	1483	454	6847	629	573	3695	3685	-748	-704	11030	3267	14297	2695	16992	49.20
14	4922	1203	448	6573	633	586	3597	3710	-653	-612	10890	3398	14288	2611	16899	49.40
15	4927	1079	452	6458	632	690	3679	3616	-711	-673	10723	3333	14056	2686	16742	49.25
16	4895	899	494	6288	631	610	3676	3639	-711	-672	10496	3509	14005	2718	16723	49.17
17	5025	337	620	5982	633	588	3937	3674	-685	-645	10232	3793	14025	2683	16708	49.29
18	5087	248	650	5985	636	901	3497	3590	-577	-538	10574	3529	14103	2587	16690	49.56
19	5151	616	650	6417	636	483	3354	3619	-462	-420	10782	3140	13922	2458	16380	49.43
20	5148	1250	649	7047	635	295	3393	3618	-507	-457	11185	3292	14477	2488	16965	49.25
21	5150	1401	651	7202	637	347	3301	3698	-434	-377	11554	3021	14575	2424	16999	49.32
22	5106	1430	652	7188	639	390	3300	3436	-324	-264	11412	2729	14141	2299	16440	49.38
23	4970	1255	626	6851	638	508	3191	3310	-181	-119	11211	2327	13538	2196	15734	49.29
24	4928	999	608	6535	638	539	3129	3098	-181	-116	10706	1995	12701	2132	14833	49.25
MUs	119.58	19.26	12.29	151.13	15.26	13.49	80.26	82.10	-9.07	-7.98	254.21	68.49	322.70	53.63	376.34	49.40

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/Apr/2009

Position as on 6.30 Hrs of 22/Apr/2009

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
Cent_Sect NTPC (V-1)	210	08/04/2009	21.13		Continued.	Annual Overhaul	28/04/2009
Chandrapur Unit 4	210	21/04/2009	00.05		Continued.	W/D for COH.	25/05/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	01/07/2009
Uran Unit 4	60	01/04/2008	00:00		Continued.	Gas Restriction	
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 3	60	23/10/2008	06.40		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	01/06/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	
Dabhol 1X	290	16/03/2009	17.01		Continued.	No insurance.	
Dabhol 1A	230	16/03/2009	17.05		Continued.	No insurance.	
Tata Trombay 4	150	09/04/2009	02.10		Continued.	W/dn	
Koradi Unit 3	105	14/04/2009	22.07		Continued.	Wind Box& Boiler House Casing Leakages.	22/04/2009
Tata Trombay 8	250	18/04/2009	01.51		Continued.	Boiler Tube Leakage	22/04/2009
Koradi Unit 4	115	19/04/2009	09:32		Continued.	Coal Shortage	22/04/2009
Uran Unit 7	108	19/04/2009	22.45	21/04/2009	13.17	U7 BPh.P.T.Burst.	
Parli Unit 6	250	20/04/2009	06.25		Continued.	Furnace Pressure High	
Tata Trombay 7B	60	21/04/2009	20.52	22/04/2009	00.39	Accumulator Low Pressure.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Apr/2009

Position as on 6.30 Hrs of 22/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
DHULE-SAR'SAROVAR-I	19/04/2009	15:41		Continued.	H/T FOR O/V
Wardha - Akola - I	20/04/2009	17:49		Continued.	Hand Tripped
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Single Ph.105 MVA Spare ICT-II at Karad	02/03/2009	10:45		Continued.	Repl. of existing single phase ICT of 400KV ICT-I, B Ph. by Spare ICT-II
400 KV TBC at Bhusawal	05/04/2009	22.30		Continued.	Y Pole Oil Leakage.
Karad-Kolhapur CKT II	21/04/2009	10.10	21/04/2009	17.14	Replacement Of Broken Spacers.
M.Bus.I at 400 KV Akola	21/04/2009	16.11		Continued.	Errection Of Isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Theur-Phursungi-I	16/04/2009	10.30		Continued.	Relay Retrofitting Work.
Ambazari-Wardha	20/04/2009	11:21		Continued.	Relay Retrofitting Work.at Wardha
220 Main.Bus.-II @ Talandge.	20/04/2009	12:50	21/04/2009	17.37	Jumpering work and Maint
Gadchandur-Virur-I	21/04/2009	09.25	21/04/2009	17.58	Line Isolator maintaince Work.
Apta-Nagothane	21/04/2009	10.30	21/04/2009	19.05	Q.M.& Testing work.
BBLSR-Waluj II	21/04/2009	10.46	21/04/2009	12.01	Outage Q/M
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
M.Bus I at 400 KV Jejuri	21/04/2009	19.48	22/04/2009	00.30	To attend Hot Spot On Y Ph.CVT.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
600 MVA ICT I AT KALWA	15/04/2009	16.31		Continued.	Buchholz Alarm.
Voltage Level : 220KV			Outage Type TRIPPED		
Khaparkheda-Kawlewada-II	14/04/2009	21.57	21/04/2009	12.05	Tripped on Distance protection
TILLARY-PHONDA	16/04/2009	13.05	21/04/2009	13.56	Trip. dist. prot. B ph
K'gaon-Pirangut	21/04/2009	02:00	21/04/2009	03:05	Tripped ,Dist.Prot.
220/132 Kv200 MVA ICT at Kalmeshwar	21/04/2009	13.32	21/04/2009	15.00	T/F Internal Fault.
Voltage Level : 100KV			Outage Type TRIPPED		
Apta-Khopoli-I	22/04/2009	03.50	22/04/2009	03.57	Tripped On FTR
Apta-Khopoli-II	22/04/2009	03.50	22/04/2009	03.58	Tripped On FTR
Apta-Musco-I	22/04/2009	03.50	22/04/2009	03.59	Tripped On FTR
Apta-Musco-II	22/04/2009	03.50	22/04/2009	04.00	Tripped On FTR

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	50
Unit 2	105	70
Unit 3	105	0
Unit 4	105	0
Unit 5	200	150
Unit 6	210	150
Unit 7	210	150
	1040	570
Bhusawal		
Unit 1	58	50
Unit 2	210	175
Unit 3	210	175
	478	400
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	140
Unit 4	210	140
Unit 5	210	140
Unit 6	250	220
	940	680
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	0
Unit 5	500	150
Unit 6	500	250
Unit 7	500	300
	2340	1250
Paras		
Unit 2	55	45
Unit 3	250	235
	305	280
Khaparkheda		
Unit 1	210	175
Unit 2	210	175
Unit 3	210	175
Unit 4	210	175
	840	700
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	170
Unit 4	210	170
Unit 5	210	170
	870	690
Uran		
All Units	852	600
	852	600
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	36
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	40
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	292
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	
Dabhol		
RGPPL II	740	598
RGPPL III	740	
	1480	598
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3392
	3143	3392

	17396	12749
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