



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Apr/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.624	2715.457	1) Madhya Pradesh	61.413	1272.658
2) Hydro	25.570	491.055	2) Gujrat	17.946	472.293
3) Gas	15.389	298.050	3) Goa	-6.163	-133.994
Total MSGENCO	156.583	3504.562	4) TAPS 1&2 (Inj.)	7.049	157.731
B) OTHERS			5) Pench (Excess)	-0.255	-3.559
1) RGPPL Gas	15.264	244.904	# Total Cent. Sector	79.990	1765.129
2) Wind Generation	10.419	139.676	F) Other Exchanges		
3) PENCH (MS)	0.255	3.831	1) With TPCL	-7.368	-110.224
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.391	675.577	1) MSEDCL Bilateral	6.429	162.204
2) TPCL Hydro	5.632	91.265	Include PX	1.263	14.829
TOTAL TPCL	33.023	766.842	2) MUMBAI Bilateral	8.447	132.069
3) REL Thermal	12.603	278.198	Include PX	1.951	22.352
D) STATE			3) MUMBAI Schedule	8.447	133.619
1) Thermal (A1+C1+C3)	155.618	3669.232	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	31.457	586.151	1) MSEDCL	255.143	5551.541
3) Gas (A3+B1)	30.653	542.954	2) TPCL	35.343	768.025
4) Wind (B2)	10.419	139.676	3) REL	17.652	387.210
TOTAL STATE	228.147	4938.013	TOTAL STATE	308.138	6706.776

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4674	5303	4891
MSGENCO Hydro	517	1267	492
MSGENCO Gas	625	650	624
MSGENCO Total Generation	5816	7220	6007
Central Sector Receipt	3758	3494	2888
RGPPL	634	636	639
WIND	489	383	458
Exchange with TPCL	-451	-347	-80
MSEDCL DEMAND MET	10246	11433	9912
Load Shedding	3782	3348	1590
MSEDCL DEMAND (INCL. LS)	14028	14781	11502
TPCL GENERATION	1379	1611	1185
REL GENERATION	523	523	527
TPCL+REL DEMAND	2353	2481	1792
STATE DEMAND MET	12599	13914	11704
STATE DEMAND (INCL. LS)	16381	17262	13294
Frequency (Hz)	49.18	49.25	49.34
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4060 MW At 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			74.6670 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.88 Hz at 18.03 Hrs	48.75 Hz at 11.15 Hrs	49.27	8.9 % 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/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.43	35.60	72	34	50
Unit 2	1.67	25.85	80	50	70
Unit 3	1.10	24.39	82	0	0
Unit 4	0.00	17.08	0	0	0
Unit 5	3.57	82.44	170	126	150
Unit 6	3.57	83.57	167	125	150
Unit 7	3.30	81.53	157	100	150
	14.64	350.47			570
Bhusawal					
Unit 1	1.03	18.15	55	17	50
Unit 2	4.26	91.73	190	167	175
Unit 3	4.31	92.86	191	170	175
	9.60	202.74			400
Parli					
Unit 1	0.53	12.17	22	21	20
Unit 2	0.57	12.84	26	22	20
Unit 3	3.48	71.71	152	140	140
Unit 4	3.59	76.84	156	145	140
Unit 5	3.50	74.44	149	139	140
Unit 6	3.25	115.56	232	0	220
	14.92	363.56			680
Chandrapur					
Unit 1	4.12	88.76	177	170	170
Unit 2	4.13	88.59	174	170	170
Unit 3	4.58	101.36	204	162	210
Unit 4	0.00	90.77	0	0	0
Unit 5	6.89	196.90	400	156	150
Unit 6	6.85	192.14	387	153	250
Unit 7	7.62	196.14	367	284	300
	34.18	954.66			1250
Paras					
Unit 2	1.21	21.85	52	48	45
Unit 3	5.34	87.63	251	168	235
	6.55	109.48			280
Khaparkheda					
Unit 1	4.54	99.09	203	178	175
Unit 2	4.52	97.42	200	174	175
Unit 3	4.60	83.32	202	176	175
Unit 4	4.64	99.99	206	177	175
	18.30	379.82			700
Nasik					
Unit 1	2.21	31.26	94	87	90
Unit 2	2.17	39.70	98	82	90
Unit 3	4.54	98.52	208	167	170
Unit 4	4.27	97.14	190	168	170
Unit 5	4.24	88.09	191	162	170
	17.42	354.72			690
Uran					
All Units	15.39	298.05	668	620	600
	15.39	298.05			600
Koyna					
Stage 1-2	5.74	85.29	555	50	600
Stage 4	12.21	256.95	1137	0	250
Koyna 12&4 Total	17.94	342.24			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	3.80	72.20	320	0	320
	21.74	414.44			1170
Hydro					
KDPH	0.00	10.38	0	0	36
VTRNA	1.17	6.71	61	0	60
TILLARI	0.38	8.39	60	0	60
BHTGR/VEER	1.03	17.96	43	43	40
BHIRA T.R.	0.25	4.93	82	0	80
RNGR+BHTSA	0.36	7.50	15	15	16
BHANDARDRA	0.00	12.34	0	0	0
ELDARY	0.00	0.30	0	0	0
PAITHAN	0.06	0.97	10	0	0
GHATGHAR	0.57	7.14	120	0	0
	3.83	76.62			292
PENCH (MS)					
Pench (MS)	0.26	3.83	47	0	
	0.26	3.83			
Wind					
MalharPeth	0.30	5.48			
Vankuswadi	0.70	12.75			
ATIT	0.14	2.34			
Kale	0.33	3.34			
Satara	0.32	5.22			
Shirala	0.24	5.19			
K Mahankal	0.21	2.55			
Supa	0.16	4.62			
Vita	0.89	20.11			
Dondaicha	4.46	47.44			
Sakri	0.79	8.18			
Nandurbar	0.67	6.60			
Khadakale	0.69	11.01			
Khaparale	0.51	4.85			
	10.42	139.68			
Dabhol					
RGPP L II	15.26	244.90	641	629	598
RGPP L III	0.00	0.00	0	0	
	15.26	244.90			598
Tata					
Trombay 4	0.00	6.65	0	0	0
Trombay 5	12.12	260.83	505	500	500
Trombay 6	12.16	255.38	510	475	500
Trombay 7A	2.20	53.99	95	90	120
Trombay 7B	0.92	32.13	57	10	60
Trombay 8	0.00	66.60	0	0	0
TATA Hydro	5.63	91.26	458	0	447
	33.02	766.84			1627
REL					
1&2	12.60	278.20	529	522	500
	12.60	278.20			500
Cent Sect					
Share					3392
					3392

MS PG CL	Thermal	115.62	2715.46		4570
	Thml+Gas	131.01	3013.51		5170
	Hydro	25.57	491.06		1462
	Total	156.58	3504.56		6632
State Total		228.15	4938.01		12749

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	4896	717	625	6238	637	574	3079	3107	-169	-132	10424	1590	12014	1959	13973	49.24
2	4891	492	624	6007	639	458	3034	2888	-124	-80	9912	1590	11502	1792	13294	49.34
3	4889	565	625	6079	639	500	2972	3025	-65	-14	10229	1563	11792	1679	13471	49.32
4	4777	726	642	6145	640	540	2893	3073	15	66	10464	1569	12033	1598	13631	49.44
5	4668	916	656	6240	639	569	2868	2889	41	89	10426	1792	12218	1573	13791	49.17
6	4612	1370	656	6638	640	503	2914	2735	-12	33	10549	2219	12768	1595	14363	49.13
7	4456	773	668	5897	641	545	2996	2794	-93	-49	9828	3492	13320	1691	15011	49.32
8	4495	284	656	5435	638	480	3169	2988	-135	-89	9452	3918	13370	1739	15109	49.19
9	4646	237	620	5503	634	403	3389	3337	-184	-138	9739	3918	13657	1994	15651	49.23
10	4674	517	625	5816	634	489	3702	3758	-489	-451	10246	3782	14028	2353	16381	49.18
11	4654	811	622	6087	631	526	3802	3780	-603	-572	10452	3303	13755	2595	16350	49.14
12	4608	1462	637	6707	629	409	3644	3781	-697	-668	10858	3272	14130	2692	16822	49.24
13	4674	1832	640	7146	633	425	3688	3724	-745	-707	11221	3261	14482	2682	17164	49.38
14	4671	1764	640	7075	634	330	3590	3556	-650	-622	10973	3314	14287	2598	16885	49.40
15	4738	1638	636	7012	632	304	3672	3764	-731	-697	11015	3222	14237	2660	16897	49.27
16	4803	1524	638	6965	631	294	3669	3724	-731	-698	10939	3345	14284	2675	16959	49.25
17	4804	1073	642	6519	633	327	3929	3959	-708	-672	10789	3588	14377	2680	17057	49.33
18	4932	1219	648	6799	635	446	3501	3557	-601	-558	10901	3347	14248	2543	16791	49.43
19	5193	929	648	6770	637	476	3380	3266	-439	-376	10820	3234	14054	2425	16479	49.30
20	5303	1267	650	7220	636	383	3495	3494	-408	-347	11433	3348	14781	2481	17262	49.25
21	5266	1426	651	7343	637	354	3385	3385	-302	-245	11498	3067	14565	2393	16958	49.21
22	5224	1414	652	7290	637	373	3383	3343	-300	-241	11425	2771	14196	2296	16492	49.23
23	5060	1426	648	7134	639	368	3231	3214	-157	-97	11281	2409	13690	2199	15889	49.19
24	4960	1188	640	6788	639	343	3158	3027	-158	-103	10717	2095	12812	2102	14914	49.21
MUs	115.89	25.57	15.39	156.85	15.26	10.42	80.54	80.17	-8.45	-7.37	255.59	69.01	324.60	52.99	377.59	49.27

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/2009

Position as on 6.30 Hrs of 23/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	22/04/2009	07.14	Wind Box& Boiler House Casing Leakages.	
Tata Trombay 8	250	18/04/2009	01.51	23/04/2009	12.40	Boiler Tube Leakage	
Koradi Unit 4	115	19/04/2009	09:32		Continued.	Coal Shortage	25/04/2009
Parli Unit 6	250	20/04/2009	06.25	22/04/2009	13.47	Furnace Pressure High	
Tata Trombay 7B	60	21/04/2009	20.52	22/04/2009	00.39	Accumulator Low Pressure.	
Tata Trombay 8	250	23/04/2009	14.08	23/04/2009	16.33	Drum Level Low	
Khaparkheda Unit 3	210	23/04/2009	15.03		Continued.	Boiler Tube Leakage	26/04/2009
Cent_Sect NTPC(V-10)	500	23/04/2009	20.55		Continued.	Boiler Tube Leakage	26/04/2009

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Apr/2009

Position as on 6.30 Hrs of 23/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Bhilai	22/04/2009	13.26		Continued.	Line On TBC Repl.of MOCB.
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.
M.Bus.I at 400 KV Akola	21/04/2009	16.11		Continued.	Errection Of Isolator.
315 MVA ICT-II at Koradi	23/04/2009	09.52	23/04/2009	18.03	Q.M. WORK
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Theur-Phursungi-I	16/04/2009	10.30		Continued.	Relay Retrofitting Work.
Borivali-Mulund	18/04/2009	08.15		Continued.	New control/ Relay panel & Isolator installation.
Ambazari-Wardha	20/04/2009	11:21	23/04/2009	15.59	Relay Retrofitting Work.at Wardha
Gadchandur-Virur-II	23/04/2009	09.40	23/04/2009	17.20	Repairing of Aux.bus isolator.
Butibori - Wardha	23/04/2009	11.07	23/04/2009	17.32	Tan Delta Measurment.
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 : 220KV			Outage Type FORCED OUTAGE		
Uran-ONGC	22/04/2009	17.30	23/04/2009	11.00	Replacement of isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
600 MVA ICT I AT KALWA	15/04/2009	16.31		Continued.	Buchholz Alarm.
400/220KV 315MVA ICT at Akola.	22/04/2009	21.03	23/04/2009	15.50	Compressor Motor Problem, of 220 KV TBC
400/220KV 315MVA ICT at Akola.	23/04/2009	00.16	23/04/2009	15.50	HV Side Overfluxing Alarm.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Jindal-Ghatghar	22/04/2009	17.38	22/04/2009	18.27	H/T For Black Start Operation Of Ghatghar.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 Kv200 MVA ICT at Kalmeshwar	22/04/2009	05.28		Continued.	Y Ph.OLTC Buchholz & T/F Internal Fault.
Talangade - Mumewadi	22/04/2009	20.53	23/04/2009	10.10	Tripped on Dist.Prot.
Boisor-Versova	22/04/2009	21.35	22/04/2009	22.24	Trip At Boiser end.
Boisor-Versova	23/04/2009	06.04	23/04/2009	06.53	Master Trip at Boiser end only.
Chandrapur-Gadchandur	23/04/2009	13.15	23/04/2009	20.30	Tripped on Dist.Prot.
K'gaon-ONGC	23/04/2009	14.35	23/04/2009	15.35	Tripped,Bus Bar Prot.Operated.
Kolhapur - Karad - II	23/04/2009	14.54	23/04/2009	15.17	Tripped on Dist.Prot.
Borivali-Kalwa	23/04/2009	17.52	23/04/2009	18.10	Tripped,Bus Bar Prot.Operated.
Borivali-Boisar	23/04/2009	17.52	23/04/2009	18.14	Tripped,Bus Bar Prot.Operated.
220/100 KV ICT-3 at	23/04/2009	17.52	23/04/2009	18.16	Tripped,Bus Bar Prot.Operated.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Apr/2009

Position as on 6.30 Hrs of 23/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Borivali					
125 MVA ICT-II@ BORIVALI	23/04/2009	17.52	23/04/2009	18.15	Tripped,Bus Bar Prot.Operated.
Borivali-Tarapur	23/04/2009	17.52	23/04/2009	18.13	Tripped,Bus Bar Prot.Operated.
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 23/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	70
Unit 4	105	0
Unit 5	200	140
Unit 6	210	150
Unit 7	210	150
	1040	650
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	300
Unit 6	500	275
Unit 7	500	350
	2340	1475
Paras		
Unit 2	55	45
Unit 3	250	230
	305	275
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	180
	870	700
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	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	43
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	258
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		
RGPL II	740	598
RGPL 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	3368
	3143	3368