



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Apr/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.539	3065.394	1) Madhya Pradesh	54.031	1445.619
2) Hydro	28.451	565.919	2) Gujrat	13.574	511.899
3) Gas	15.009	343.749	3) Goa	-6.451	-152.731
Total MSGENCO	161.999	3975.062	4) TAPS 1&2 (Inj.)	7.035	178.842
B) OTHERS			5) Pench (Excess)	-0.134	-4.558
1) RGPPL Gas	15.186	290.552	# Total Cent. Sector	68.055	1979.071
2) Wind Generation	6.269	160.303	F) Other Exchanges		
3) PENCH (MS)	0.134	4.830	1) With TPCL	-0.393	-118.218
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	34.330	772.080	1) MSEDCL Bilateral	6.997	181.145
2) TPCL Hydro	3.452	106.337	Include PX	0.000	15.024
TOTAL TPCL	37.782	878.417	2) MUMBAI Bilateral	1.579	143.626
3) REL Thermal	12.651	316.122	Include PX	-1.986	19.622
D) STATE			3) MUMBAI Schedule	1.579	145.176
1) Thermal (A1+C1+C3)	165.520	4153.596	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	32.037	677.086	1) MSEDCL	251.250	6296.262
3) Gas (A3+B1)	30.195	634.301	2) TPCL	33.926	873.633
4) Wind (B2)	6.269	160.303	3) REL	16.899	439.094
TOTAL STATE	234.021	5625.286	TOTAL STATE	302.075	7608.989

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	5178	5153	4695
MSGENCO Hydro	384	1458	805
MSGENCO Gas	642	640	585
MSGENCO Total Generation	6204	7251	6085
Central Sector Receipt	2918	3037	2623
RGPPL	634	630	633
WIND	299	297	340
Exchange with TPCL	-114	-60	79
MSEDCL DEMAND MET	9941	11179	9760
Load Shedding	3989	3452	1582
MSEDCL DEMAND (INCL. LS)	13930	14631	11342
TPCL GENERATION	1559	1764	1439
REL GENERATION	530	526	529
TPCL+REL DEMAND	2203	2350	1889
STATE DEMAND MET	12144	13529	11649
STATE DEMAND (INCL. LS)	16133	16981	13231
Frequency (Hz)	49.39	49.20	49.24
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4132 MW AT 13.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			79.81 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.77 Hz at 09.02 Hrs	48.77 Hz at 22.33 Hrs	49.3	8.96 % 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 25/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.57	40.45	78	44	80
Unit 2	1.78	31.25	80	65	80
Unit 3	0.00	26.82	0	0	0
Unit 4	1.80	19.00	84	66	70
Unit 5	3.62	93.40	177	128	150
Unit 6	3.66	94.76	179	127	150
Unit 7	3.47	92.34	175	122	150
	15.90	398.04			680
Bhusawal					
Unit 1	1.04	21.65	54	0	50
Unit 2	4.05	104.07	187	147	175
Unit 3	4.12	105.36	181	161	175
	9.20	231.08			400
Parli					
Unit 1	0.54	13.79	24	20	20
Unit 2	0.58	14.59	26	22	20
Unit 3	1.44	80.07	141	0	140
Unit 4	3.65	87.68	163	140	140
Unit 5	3.67	85.25	170	140	140
Unit 6	5.31	131.67	237	206	220
	15.19	413.05			680
Chandrapur					
Unit 1	4.02	101.05	174	161	170
Unit 2	4.08	99.70	173	166	170
Unit 3	4.92	116.05	210	198	210
Unit 4	0.00	90.77	0	0	0
Unit 5	8.77	219.38	434	284	400
Unit 6	8.40	213.86	400	302	400
Unit 7	8.75	220.07	420	306	400
	38.95	1060.90			1750
Paras					
Unit 2	0.66	24.75	31	26	50
Unit 3	6.13	105.55	262	250	225
	6.79	130.30			275
Khaparkheda					
Unit 1	4.32	112.53	186	174	190
Unit 2	4.37	110.80	197	168	195
Unit 3	2.44	88.40	184	0	50
Unit 4	4.62	114.04	209	174	200
	15.75	425.76			635
Nasik					
Unit 1	2.21	37.90	98	83	90
Unit 2	1.75	45.82	85	66	90
Unit 3	4.22	111.54	186	163	170
Unit 4	4.31	110.06	194	171	170
Unit 5	4.26	100.95	197	170	170
	16.75	406.27			690
Uran					
All Units	15.01	343.75	660	584	630
	15.01	343.75			630
Koyna					
Stage 1-2	3.20	93.86	315	35	600
Stage 4	17.80	301.96	1116	0	250
Koyna 12&4 Total	20.99	395.83			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	4.27	83.22	320	0	320
	25.26	479.05			1170
Hydro					
KDPH	0.00	10.38	0	0	0
VTRNA	1.15	10.28	61	0	60
TILLARI	0.36	9.47	50	0	60
BHTGR/VEER	0.91	20.66	38	38	38
BHIRA T.R.	0.30	5.92	80	0	80
RNGR+BHTSA	0.31	8.44	13	13	13
BHANDARDRA	0.00	12.34	0	0	0
ELDARY	0.00	0.30	0	0	0
PAITHAN	0.00	1.08	0	0	0
GHATGHAR	0.16	7.99	125	0	0
	3.19	86.87			251
PENCH (MS)					
Pench (MS)	0.13	4.83	24	0	
	0.13	4.83			
Wind					
MalharPeth	0.19	6.08			
Vankuswadi	0.42	14.07			
ATIT	0.11	2.66			
Kale	0.10	3.60			
Satara	0.40	6.29			
Shirala	0.18	5.90			
K Mahankal	0.07	2.75			
Supa	0.36	5.54			
Vita	1.49	24.10			
Dondaicha	1.59	54.17			
Sakri	0.29	9.34			
Nandurbar	0.20	7.38			
Khadakale	0.69	13.12			
Khaparale	0.16	5.30			
	6.27	160.30			
Dabhol					
RGPP L II	15.19	290.55	639	624	598
RGPP L III		0.00	0	0	
	15.19	290.55			598
Tata					
Trombay 4	0.00	6.65	0	0	0
Trombay 5	12.12	297.18	505	505	500
Trombay 6	12.22	292.05	510	500	500
Trombay 7A	2.60	61.50	109	107	110
Trombay 7B	1.48	36.47	62	61	60
Trombay 8	5.91	78.23	253	215	240
TATA Hydro	3.45	106.34	329	0	447
	37.78	878.42			1857
REL					
1&2	12.65	316.12	530	523	500
	12.65	316.12			500
Cent Sect					
Share					3076
					3076

MS PG CL	Thermal	118.54	3065.39		5110
	Thml+Gas	133.55	3409.14		5740
	Hydro	28.45	565.92		1421
	Total	162.00	3975.06		7161
State Total		234.02	5625.29		13192

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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	4664	1122	586	6372	634	278	2730	2637	10	46	9967	1577	11544	2061	13605	49.16
2	4695	805	585	6085	633	340	2705	2623	36	79	9760	1582	11342	1889	13231	49.24
3	4700	1106	584	6390	635	464	2547	2592	195	234	10315	1541	11856	1742	13598	49.35
4	4729	1122	586	6437	636	449	2469	2577	274	314	10413	1601	12014	1651	13665	49.34
5	4761	1202	637	6600	637	395	2417	2621	327	365	10618	1773	12391	1633	14024	49.28
6	4893	1305	656	6854	638	297	2471	2621	274	311	10721	2272	12993	1667	14660	49.21
7	5168	628	660	6456	639	260	2474	2441	274	309	10105	3443	13548	1648	15196	49.50
8	5168	172	659	5999	638	282	2514	2524	230	271	9714	3864	13578	1715	15293	49.40
9	5174	208	654	6036	638	298	2665	2542	60	117	9631	4135	13766	1913	15679	49.51
10	5178	384	642	6204	634	299	2898	2918	-150	-114	9941	3989	13930	2203	16133	49.39
11	5100	813	622	6535	628	340	3000	2938	-256	-218	10223	3452	13675	2432	16107	49.20
12	4904	1480	612	6996	629	268	2994	3068	-256	-223	10738	3348	14086	2469	16555	49.29
13	4854	1757	604	7215	624	143	3018	3051	-283	-227	10806	3300	14106	2466	16572	49.35
14	4889	1679	611	7179	631	83	3096	3044	-362	-306	10631	3369	14000	2420	16420	49.37
15	4845	1678	613	7136	629	69	3094	3098	-362	-306	10626	3362	13988	2412	16400	49.32
16	4879	1571	612	7062	627	72	3089	3087	-362	-307	10541	3620	14161	2433	16594	49.22
17	4926	994	623	6543	631	176	3110	3179	-362	-309	10220	4015	14235	2399	16634	49.42
18	4994	1112	630	6736	632	194	3038	2965	-226	-164	10363	3823	14186	2277	16463	49.55
19	5017	1289	640	6946	632	207	2938	2976	-162	-98	10686	3289	13975	2233	16208	49.32
20	5153	1458	640	7251	630	297	2988	3037	-126	-60	11179	3452	14631	2350	16981	49.20
21	5117	1714	642	7473	632	301	2992	2973	-126	-62	11340	3143	14483	2329	16812	49.26
22	5053	1678	635	7366	632	275	3005	2967	-126	-61	11202	2823	14025	2247	16272	49.15
23	4897	1729	638	7264	632	245	2896	2811	-50	4	10979	2395	13374	2108	15482	49.04
24	4781	1445	638	6864	635	236	2787	2765	-51	12	10530	2076	12606	2129	14735	49.07
MUs	118.54	28.45	15.01	162.00	15.19	6.27	67.94	68.06	-1.58	-0.39	251.25	71.24	322.49	50.83	373.32	49.30

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 25/Apr/2009

Position as on 6.30 Hrs of 26/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	
Khaparkheda Unit 3	210	23/04/2009	15.03	25/04/2009	05.50	Boiler Tube Leakage	
Cent_Sect NTPC(V-10)	500	23/04/2009	20.55	25/04/2009	23:00	Boiler Tube Leakage	
Koradi Unit 3	105	24/04/2009	10.10	26/04/2009	21.22	ID Fan Problem	
Khaparkheda Unit 3	210	25/04/2009	07:39	25/04/2009	09:45	Drum Level high	
Parli Unit 3	210	25/04/2009	10:53		Continued.	Air Heater Prob.	27/04/2009
Bhusawal Unit 1	58	25/04/2009	20:19	26/04/2009	00:52	Aux.Supply Failure	
Parli Unit 1	30	26/04/2009	01:37	26/04/2009	20.13	Stator Earth Fault	
Chandrapur Unit 6	500	26/04/2009	09.28		Continued.	Boiler Tube Leakage	29/04/2009
Koyna ST - IV 4	250	26/04/2009	11.43	26/04/2009	13.58	Spill line problem	
Khaparkheda Unit 1	210	26/04/2009	20.26		Continued.	Boiler Tube Leakage	29/04/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Apr/2009

Position as on 6.30 Hrs of 26/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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	25/04/2009	07:05	H/T FOR O/V
Wardha - Akola - I	20/04/2009	17:49		Continued.	Hand Tripped
Dhule-Sar'Sarovar II	25/04/2009	00.07	26/04/2009	08.02	H/T FOR O/V
DHULE-SAR'SAROVAR-I	26/04/2009	01:07		Continued.	H/T FOR O/V
Dhule-Sar'Sarovar II	26/04/2009	22.52		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV TBC at Bhusawal	05/04/2009	22.30	25/04/2009	15:55	Y Pole Oil Leakage.
M.Bus.I at 400 KV Akola	21/04/2009	16.11	26/04/2009	18.59	Errection Of Isolator.
400/220 KV,315 MVA ICT-II at Chandrapur	25/04/2009	08.02	26/04/2009	19.08	Commissioning of CTR fire Protection Scheme.
400/220KV,105MVA Spare ICT at Chandrapur	26/04/2009	10.37		Continued.	Commissioning of CTR fire Protection Scheme.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main Bus -I @ Boisar	20/04/2009	16:00		Continued.	Premansoon Maintenance Work.
Ambazari-Amravati	24/04/2009	16.39		Continued.	Relay Retrofitting Work.
Ambazari-Amravati	24/04/2009	16.39		Continued.	Relay Retrofitting Work.
Bblswr-Anagar Ckt.II	25/04/2009	08:54	25/04/2009	17:32	Q.M. WORK
Nagothane-MSL	25/04/2009	09:12	25/04/2009	16:13	Q.M. WORK
Main Bus - I @ Jejuri	25/04/2009	10:15	25/04/2009	19:05	Isolator Maintenance work
Bableshwar-Bhenda	25/04/2009	11:57	25/04/2009	17:07	Testing Work
220/100KV, 100 MVA ICT-II @ Taloja.	25/04/2009	14:00	25/04/2009	18:05	R.M.Work.
Borivali-Boisar	25/04/2009	14:07	25/04/2009	18:43	Isolator Maintenance work
Boisor-Versova	26/04/2009	09.09	26/04/2009	16.58	Premansoon Maintenance Work.
Trombay-Salset	26/04/2009	09.20	26/04/2009	12.24	R.M.Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
Chandrapur-Padaghe Pole - II	25/04/2009	22.32	26/04/2009	07.12	To attend oil leakage of converter T/F & Smoothing reactor.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dabhol-NewKoyna-II	26/04/2009	12.39	26/04/2009	15.24	R.M.Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/22 KV, 50 MVA T/F-II @ Lonikand.	25/04/2009	08:43	25/04/2009	12:50	Isolator Sparking.
Trombay-Kalwa	26/04/2009	12.33	26/04/2009	20.19	R.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
600 MVA ICT I AT KALWA	15/04/2009	16.31		Continued.	Buchholz Alarm.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-NewKoyna-II	25/04/2009	13:46	25/04/2009	20:25	Tripped ,Dist.Prot.
400/220 KV 315 MVA ICT at Akola	25/04/2009	14:21		Continued.	Tripped on Buchholz & PRV.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Apr/2009

Position as on 6.30 Hrs of 26/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Parli-Lonikhand CKT II	25/04/2009	17:25	25/04/2009	18:06	Tripped ,Dist.Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
Koradi-Butibori	25/04/2009	12:46	25/04/2009	13:01	Tripped ,Dist.Prot.
Parly - Harangul - I	25/04/2009	14:16	25/04/2009	14:27	Tripped ,Dist.Prot.
Parly - Harangul - II.	25/04/2009	14:16	25/04/2009	14:27	Tripped on Back Up Prot.
220/100KV,125MVA ICT-III at Kalwa	26/04/2009	17.20		Continued.	Tripped on Diff.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	0
Unit 4	105	70
Unit 5	200	140
Unit 6	210	130
Unit 7	210	130
	1040	610
Bhusawal		
Unit 1	58	50
Unit 2	210	175
Unit 3	210	175
	478	400
Parli		
Unit 1	30	0
Unit 2	30	20
Unit 3	210	0
Unit 4	210	140
Unit 5	210	140
Unit 6	250	220
	940	520
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	0
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1750
Paras		
Unit 2	55	50
Unit 3	250	225
	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	80
Unit 3	210	170
Unit 4	210	170
Unit 5	210	170
	870	680
Uran		
All Units	852	630
	852	630
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	38
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	251
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	0
	1480	598
Tata		
Trombay 4	150	0
Trombay 5	500	505
Trombay 6	500	510
Trombay 7A	120	110
Trombay 7B	60	70
Trombay 8	250	215
TATA Hydro	444	297
	2024	1707
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3086
	3143	3086