



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Apr/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.569	3502.771	1) Madhya Pradesh	53.615	1665.078
2) Hydro	29.051	703.015	2) Gujrat	24.125	592.900
3) Gas	14.889	403.878	3) Goa	-7.073	-179.777
Total MSGENCO	161.509	4609.664	4) TAPS 1&2 (Inj.)	3.743	201.660
B) OTHERS			5) Pench (Excess)	0.362	-4.321
1) RGPPL Gas	13.114	349.280	# Total Cent. Sector	74.772	2275.540
2) Wind Generation	10.681	187.158	F) Other Exchanges		
3) PENCH (MS)	0.303	5.258	1) With TPCL	-3.094	-122.614
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	33.775	907.071	1) MSEDCL Bilateral	7.285	210.361
2) TPCL Hydro	5.843	126.463	Include PX	0.000	15.664
TOTAL TPCL	39.618	1033.534	2) MUMBAI Bilateral	4.083	151.850
3) REL Thermal	12.604	366.665	Include PX	0.055	15.053
D) STATE			3) MUMBAI Schedule	4.083	153.400
1) Thermal (A1+C1+C3)	163.948	4776.507	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	35.197	834.736	1) MSEDCL	257.285	7309.376
3) Gas (A3+B1)	28.003	753.158	2) TPCL	36.948	1013.660
4) Wind (B2)	10.681	187.158	3) REL	18.368	509.117
TOTAL STATE	237.829	6551.559	TOTAL STATE	312.601	8832.153

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4786	5277	4447
MSGENCO Hydro	1438	1426	1319
MSGENCO Gas	624	642	557
MSGENCO Total Generation	6848	7345	6323
Central Sector Receipt	3353	3267	2631
RGPPL	626	325	638
WIND	197	708	512
Exchange with TPCL	-349	-193	245
MSEDCL DEMAND MET	10675	11499	10349
Load Shedding	3348	3312	1535
MSEDCL DEMAND (INCL. LS)	14023	14811	11884
TPCL GENERATION	1820	1858	1389
REL GENERATION	524	521	529
TPCL+REL DEMAND	2693	2572	1673
STATE DEMAND MET	13368	14071	12022
STATE DEMAND (INCL. LS)	16716	17383	13557
Frequency (Hz)	49.11	49.22	49.19
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4312 MW at 09.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			83.48 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.03 Hz at 18.05 Hrs	48.79 Hz at 23.39 Hrs	49.2	14.09 % 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 29/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	42.99	0	0	0
Unit 2	1.64	37.85	79	47	75
Unit 3	1.42	31.69	78	38	70
Unit 4	1.46	25.32	80	22	70
Unit 5	3.22	104.81	185	0	100
Unit 6	4.28	109.97	191	150	180
Unit 7	4.22	107.16	195	158	170
	16.24	459.78			665
Bhusawal					
Unit 1	0.60	24.12	27	23	25
Unit 2	4.13	121.04	186	124	175
Unit 3	4.34	122.82	193	166	175
	9.06	267.98			375
Parli					
Unit 1	0.56	15.62	25	22	20
Unit 2	0.61	17.06	26	22	20
Unit 3	2.41	84.09	152	74	75
Unit 4	3.90	103.18	169	150	150
Unit 5	4.23	99.30	186	155	170
Unit 6	4.94	152.23	224	187	200
	16.64	471.47			635
Chandrapur					
Unit 1	4.09	117.16	177	150	170
Unit 2	4.05	115.77	172	164	170
Unit 3	5.03	135.87	210	202	210
Unit 4	0.00	90.77	0	0	0
Unit 5	8.60	256.33	405	330	350
Unit 6	4.80	222.01	414	0	0
Unit 7	10.90	262.12	470	438	450
	37.45	1200.02			1350
Paras					
Unit 2	0.68	27.43	31	25	50
Unit 3	5.12	123.73	226	202	195
	5.80	151.16			245
Khaparkheda					
Unit 1	3.97	120.14	184	65	175
Unit 2	2.08	118.71	180	0	0
Unit 3	4.65	107.39	210	175	200
Unit 4	4.66	133.34	212	172	210
	15.37	479.59			585
Nasik					
Unit 1	1.59	42.33	94	0	80
Unit 2	2.07	54.12	96	74	90
Unit 3	4.49	129.57	206	175	190
Unit 4	4.49	128.32	204	174	190
Unit 5	4.36	118.43	202	153	190
	17.01	472.76			740
Uran					
All Units	14.89	403.88	652	546	600
	14.89	403.88			600
Koyna					
Stage 1-2	3.22	113.30	300	50	520
Stage 4	17.10	380.96	1106	265	250
Koyna 12&4 Total	20.32	494.25			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	4.27	104.04	320	0	320
	24.60	598.30			1090
Hydro					
KDPH	0.91	13.70	38	37	38
VTRNA	1.21	15.16	61	0	60
TILLARI	0.36	10.70	50	0	60
BHTGR/VEER	1.13	24.73	47	47	35
BHIRA T.R.	0.38	7.09	80	0	80
RNGR+BHTSA	0.34	9.74	14	14	16
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	0.13	9.87	76	0	0
	4.45	104.72			289
PENCH (MS)					
Pench (MS)	0.30	5.26	47	0	
	0.30	5.26			
Wind					
MalharPeth	0.23	6.87			
Vankuswadi	0.62	15.87			
ATIT	0.11	3.00			
Kale	0.18	4.18			
Satara	0.28	7.01			
Shirala	0.28	6.62			
K Mahankal	0.06	3.07			
Supa	0.32	6.44			
Vita	1.26	28.29			
Dondaicha	4.90	64.78			
Sakri	0.84	11.30			
Nandurbar	0.65	8.76			
Khadakale	0.64	14.99			
Khaparale	0.32	6.00			
	10.68	187.16			
Dabhol					
RGPP L II	13.11	349.28	638	323	598
RGPP L III		0.00	0	0	
	13.11	349.28			598
Tata					
Trombay 4	0.00	6.65	0	0	0
Trombay 5	12.12	345.65	505	500	500
Trombay 6	12.20	340.12	510	480	500
Trombay 7A	2.13	70.46	95	72	100
Trombay 7B	1.34	41.96	58	52	60
Trombay 8	6.00	102.23	252	244	250
TATA Hydro	5.84	126.46	440	0	447
	39.62	1033.53			1857
REL					
1&2	12.60	366.66	529	520	500
	12.60	366.66			500
Cent Sect					
Share					3398
					3398

MS PG CL	Thermal	117.57	3502.77		4595
	Thml+Gas	132.46	3906.65		5195
	Hydro	29.05	703.02		1379
	Total	161.51	4609.66		6574
State Total		237.83	6551.56		12927

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	4401	1526	546	6473	636	495	2853	2901	-78	-41	10464	1625	12089	2147	14236	49.09
2	4376	1259	547	6182	637	424	2784	2880	-8	31	10154	1632	11786	1903	13689	49.10
3	4361	1302	550	6213	637	490	2661	2927	119	161	10428	1559	11987	1789	13776	49.15
4	4447	1319	557	6323	638	512	2578	2631	204	245	10349	1535	11884	1673	13557	49.19
5	4483	1399	561	6443	638	472	2580	2733	204	243	10529	1975	12504	1675	14179	49.17
6	4574	1641	632	6847	638	467	2581	2773	204	242	10967	2267	13234	1695	14929	49.21
7	4709	662	652	6023	635	467	2633	2910	152	188	10223	3384	13607	1744	15351	49.36
8	4705	482	649	5836	635	210	2676	2999	108	151	9831	3841	13672	1793	15465	49.33
9	4713	554	640	5907	632	147	2855	3080	-73	-31	9735	4127	13862	2053	15915	49.26
10	4758	925	629	6312	630	215	3166	3352	-379	-348	10161	3899	14060	2451	16511	49.29
11	4786	1438	624	6848	626	197	3160	3353	-379	-349	10675	3348	14023	2693	16716	49.11
12	4933	1766	630	7329	629	169	3216	3326	-450	-417	11036	3207	14243	2794	17037	49.15
13	5048	1752	634	7434	627	233	3230	3354	-474	-433	11215	3219	14434	2791	17225	49.26
14	5083	1415	634	7132	629	340	3183	3424	-427	-387	11138	3174	14312	2732	17044	49.34
15	5081	1203	634	6918	626	397	3226	3158	-476	-429	10670	3158	13828	2792	16620	49.20
16	5155	960	633	6748	625	420	3225	3268	-476	-432	10629	3267	13896	2769	16665	49.07
17	5146	859	626	6631	568	583	3226	3248	-476	-433	10597	3706	14303	2748	17051	49.06
18	5263	986	639	6888	323	555	3132	3118	-361	-310	10621	3619	14240	2632	16872	49.27
19	5269	1255	646	7170	326	596	3114	3357	-215	-161	11335	3089	14424	2532	16956	49.42
20	5277	1426	642	7345	325	708	3255	3267	-242	-193	11499	3312	14811	2572	17383	49.22
21	5293	1525	644	7462	326	778	3233	3344	-217	-170	11787	3031	14818	2485	17303	49.20
22	5269	1338	646	7253	362	769	3160	3224	-142	-97	11558	2766	14324	2362	16686	49.25
23	5224	1003	645	6872	432	640	3148	3230	-95	-51	11169	2402	13571	2286	15857	49.13
24	5191	1056	640	6887	334	627	3048	2937	-109	-73	10735	2119	12854	2204	15058	48.92
MUs	117.54	29.05	14.88	161.48	13.11	10.91	71.92	74.79	-4.08	-3.09	257.50	69.26	326.77	55.32	382.08	49.20

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 29/Apr/2009

Position as on 6.30 Hrs of 30/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	30/04/2009	02.38	Annual Overhaul	
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	
Chandrapur Unit 6	500	26/04/2009	09.28	29/04/2009	06.09	Boiler Tube Leakage	
Khaparkheda Unit 2	210	27/04/2009	07.06	29/04/2009	10.54	Boiler Tube Leakage	
Nasik Unit 1	125	27/04/2009	07.20	29/04/2009	04.55	Boiler Tube Leakage	
Koyna Unit 5	80	27/04/2009	12.00	29/04/2009	17.25	P L C Problem.	
Koradi Unit 1	105	27/04/2009	22.07		Continued.	Condensor Tube Leakage	30/04/2009
Cent_Sect NTPC(V-4)	210	28/04/2009	10.15		Continued.	Boiler Tube Leakage	
Koradi Unit 5	200	28/04/2009	11.32	29/04/2009	03.10	General Service Water Line Leakage.	
Chandrapur Unit 6	500	29/04/2009	06.20	29/04/2009	09.05	Drum Level high	
Cent_Sect Tarapur 1	80	29/04/2009	11.18		Continued.	Condensor Tube Leakage	03/05/2009
Dabhol 3B	230	29/04/2009	16.43	29/04/2009	21.03	Aux.Supply Failure	
Dabhol 3X	290	29/04/2009	16.43	29/04/2009	21.54	Aux.Supply Failure	
Dabhol 3X	290	29/04/2009	22.36		Continued.	Differential Expansion problem.	
Parli Unit 3	210	30/04/2009	12.03		Continued.	Boiler Tube Leakage	
Dabhol 3B	230	30/04/2009	20.08		Continued.	Differential Expansion problem.	
Paras Unit 2	55	30/04/2009	21.00		Continued.	Clincker Formation.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Apr/2009

Position as on 6.30 Hrs of 30/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 : 220KV			Outage Type PLANNED OUTAGE		
Tarapur-Borivali	29/04/2009	08.17	29/04/2009	20.14	Line Maint.work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
DHULE-SAR'SAROVAR-I	27/04/2009	23.55		Continued.	H/T FOR O/V
Wardha - Akola - I	29/04/2009	17.49		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV TBC at Parly-II	07/04/2009	00.00		Continued.	Compressor Problem.
400/220KV,105MVA Spare ICT at Chandrapur	26/04/2009	10.37		Continued.	Commissioning of CTR fire Protection Scheme.
400/220KV,315MVA ICT-I at Karad	27/04/2009	00.55	30/04/2009	22.39	Kept on humming
80 MVAR Bus Reactor at Nagothane	28/04/2009	10.02		Continued.	Oil Filtration Work.
400/220KV, 500MVA ICT at Lamboti	29/04/2009	08.27	29/04/2009	11.18	Top Changing
400/220KV ICT-I at Lonikand	30/04/2009	07.50	30/04/2009	18.03	C.T.Replacement
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 kv,100 MVA ICT at Chitegaon	29/04/2009	09.02		Continued.	Oil filtration
220/132KV 200 MVA ICT at Kawalewada.	29/04/2009	09.08	29/04/2009	12.45	Maint.work
LAMBOTI-PANDHARPUR	29/04/2009	09.40	29/04/2009	16.43	Line Maint.work.
Lonikand-Khadki	30/04/2009	08.38	30/04/2009	12.40	Tan Delta Measurment.
Uran-ONGC	30/04/2009	10.41	30/04/2009	17.51	Isolator Replacement
Lonikhand-Theur CKT.I	30/04/2009	10.45	30/04/2009	14.03	Q.M. WORK
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Asthi-Bilt	29/04/2009	09.50	29/04/2009	17.52	L.A.replacement work
Arvi-Talegaon	29/04/2009	16.49	30/04/2009	15.59	Relay Retrofitting Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
220 KV Own Brk..of 315 MVA ICT at Akola	23/04/2009	15.50		Continued.	Breaker Problem
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
KALWA-SALSETE-III	30/04/2009	00.34	30/04/2009	04.35	Attending hot spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
600 MVA ICT-1 at Kalwa	15/04/2009	16.31	29/04/2009	21.58	Buchholz Alarm.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/22 KV T/F-III at Wada	29/04/2009	14.35	29/04/2009	17.55	H.V.Breaker Problem.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT at Akola	25/04/2009	14.21	30/04/2009	18.50	Kept on humming
Voltage Level : 220KV			Outage Type TRIPPED		
Kolhapur-Sawantwadi	29/04/2009	07.14		Continued.	Tripped on Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Apr/2009

Position as on 6.30 Hrs of 30/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chinchwad-Parvati	29/04/2009	22.07	30/04/2009	02.37	'R'Ph.wave trap jumper broken at Parvati end.
Jejuri-Phursungi	29/04/2009	22.07	29/04/2009	22.25	Tripped on Back Up Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Ambazari-Arvi	29/04/2009	11.20	29/04/2009	18.14	Tripped on Dist.Prot.
Kawlewada-Madgi-I	29/04/2009	13.55	29/04/2009	14.20	Tripped on Dist.Prot.
Ambazari-Arvi	30/04/2009	13.05	30/04/2009	14.17	Tripped on Dist.Prot.
Paras-Malegaon	30/04/2009	14.55	30/04/2009	15.20	Tripped on Dist.Prot.
Kalmeshwar-Katol	30/04/2009	15.33		Continued.	Insulator String Broken.
Buldhana-Chikhali	30/04/2009	18.20	30/04/2009	21.25	Tripped on Dist.Prot.
Buldana-Motala	30/04/2009	18.20	30/04/2009	20.15	Tripped on Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	70
Unit 4	105	70
Unit 5	200	180
Unit 6	210	170
Unit 7	210	160
	1040	720
Bhusawal		
Unit 1	58	25
Unit 2	210	175
Unit 3	210	175
	478	375
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	160
Unit 4	210	160
Unit 5	210	150
Unit 6	250	220
	940	730
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	450
	2340	1800
Paras		
Unit 2	55	45
Unit 3	250	200
	305	245
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	180
Unit 4	210	180
Unit 5	210	180
	870	720
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	47
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	297
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		
RGPPPL II	740	598
RGPPPL III	740	0
	1480	598
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1857
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3216
	3143	3216