



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Apr/2009 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	103.985	3282.546	1) Madhya Pradesh	56.246	1555.245
2) Hydro	38.876	636.114	2) Gujrat	19.187	548.283
3) Gas	14.991	373.763	3) Goa	-6.456	-165.224
Total MSGENCO	157.852	4292.423	4) TAPS 1&2 (Inj.)	6.360	191.474
B) OTHERS			5) Pench (Excess)	-0.077	-4.683
1) RGPPL Gas	15.174	320.958	# Total Cent. Sector	75.260	2125.095
2) Wind Generation	5.218	170.207	F) Other Exchanges		
3) PENCH (MS)	0.077	4.955	1) With TPCL	-2.038	-117.371
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	33.774	839.271	1) MSEDCL Bilateral	7.009	195.790
2) TPCL Hydro	6.461	113.944	Include PX	0.000	15.664
TOTAL TPCL	40.235	953.215	2) MUMBAI Bilateral	2.639	144.643
3) REL Thermal	12.646	341.430	Include PX	-1.046	15.706
D) STATE			3) MUMBAI Schedule	2.639	146.193
1) Thermal (A1+C1+C3)	150.405	4463.247	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	45.414	755.013	1) MSEDCL	251.543	6801.054
3) Gas (A3+B1)	30.165	694.721	2) TPCL	37.015	939.725
4) Wind (B2)	5.218	170.207	3) REL	17.899	472.257
TOTAL STATE	231.202	6083.188	TOTAL STATE	306.457	8213.036

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	4304	4413	4447
MSGENCO Hydro	1657	2056	1258
MSGENCO Gas	620	640	596
MSGENCO Total Generation	6581	7109	6301
Central Sector Receipt	3459	3275	2798
RGPPL	627	632	637
WIND	158	319	311
Exchange with TPCL	-337	-141	257
MSEDCL DEMAND MET	10488	11194	10308
Load Shedding	3345	3262	1460
MSEDCL DEMAND (INCL. LS)	13833	14456	11768
TPCL GENERATION	1827	1885	1351
REL GENERATION	524	525	529
TPCL+REL DEMAND	2688	2551	1623
STATE DEMAND MET	13176	13745	11931
STATE DEMAND (INCL. LS)	16521	17007	13391
Frequency (Hz)	49.04	49.22	49.31
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4511 MW at 10:00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			88.67 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.2 Hz at 06:05 Hrs	48.78 Hz at 10:16 Hrs	49.22	13.39 % 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 27/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.00	42.99	69	0	60
Unit 2	1.40	34.42	77	45	70
Unit 3	1.60	28.55	76	45	70
Unit 4	1.54	22.24	80	32	70
Unit 5	3.38	99.85	167	94	125
Unit 6	3.62	101.69	164	138	150
Unit 7	3.49	98.92	174	119	120
	16.04	428.66			665
Bhusawal					
Unit 1	0.62	22.92	31	22	25
Unit 2	4.32	112.59	192	160	175
Unit 3	4.46	114.14	194	176	175
	9.40	249.65			375
Parli					
Unit 1	0.57	14.49	26	22	20
Unit 2	0.62	15.83	27	23	20
Unit 3	0.00	80.07	0	0	0
Unit 4	3.89	95.36	174	157	140
Unit 5	2.38	91.02	178	0	60
Unit 6	5.25	142.25	240	199	220
	12.71	439.01			460
Chandrapur					
Unit 1	3.99	109.11	170	162	170
Unit 2	4.04	107.76	171	162	170
Unit 3	4.92	125.87	217	187	210
Unit 4	0.00	90.77	0	0	0
Unit 5	9.89	238.03	447	376	425
Unit 6	0.00	217.21	0	0	0
Unit 7	10.66	240.46	482	396	425
	33.49	1129.21			1400
Paras					
Unit 2	0.67	26.09	31	24	30
Unit 3	3.94	115.55	258	0	245
	4.61	141.64			275
Khaparkheda					
Unit 1	0.00	116.15	0	0	0
Unit 2	1.40	116.62	201	0	195
Unit 3	5.03	98.03	215	202	200
Unit 4	5.01	123.75	212	205	200
	11.44	454.56			595
Nasik					
Unit 1	0.64	40.74	94	0	90
Unit 2	2.11	49.90	101	79	90
Unit 3	4.52	120.48	204	177	180
Unit 4	4.63	119.07	200	178	180
Unit 5	4.40	109.64	203	175	180
	16.30	439.82			720
Uran					
All Units	14.99	373.76	651	592	600
	14.99	373.76			600
Koyna					
Stage 1-2	5.64	104.66	475	50	600
Stage 4	22.56	341.75	1166	378	250
Koyna 12&4 Total	28.20	446.41			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	6.08	93.93	320	80	320
	34.28	540.34			1170
Hydro					
KDPH	0.90	11.89	38	37	38
VTRNA	1.23	12.74	61	0	60
TILLARI	0.34	10.14	55	0	60
BHTGR/VEER	0.91	22.48	38	38	38
BHIRA T.R.	0.27	6.38	82	0	80
RNGR+BHTSA	0.31	9.06	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	0.63	9.36	125	0	0
	4.60	95.77			289
PENCH (MS)					
Pench (MS)	0.08	4.96	24	0	0
	0.08	4.96			0
Wind					
MalharPeth	0.18	6.40			
Vankuswadi	0.37	14.75			
ATIT	0.06	2.78			
Kale	0.13	3.85			
Satara	0.16	6.57			
Shirala	0.18	6.16			
K Mahankal	0.03	2.82			
Supa	0.21	5.91			
Vita	0.96	26.01			
Dondaicha	1.82	57.72			
Sakri	0.40	10.06			
Nandurbar	0.20	7.80			
Khadakale	0.42	13.90			
Khaparale	0.11	5.49			
	5.22	170.21			
Dabhol					
RGPP L II	15.17	320.96	639	619	598
RGPP L III	0.00	0.00	0	0	0
	15.17	320.96			598
Tata					
Trombay 4	0.00	6.65	0	0	0
Trombay 5	12.12	321.42	505	505	500
Trombay 6	12.00	315.68	510	425	500
Trombay 7A	2.28	66.06	115	90	110
Trombay 7B	1.38	39.25	63	55	70
Trombay 8	5.99	90.22	252	245	250
TATA Hydro	6.46	113.94	466	0	447
	40.24	953.22			1877
REL					
1&2	12.65	341.43	529	524	500
	12.65	341.43			500
Cent Sect					
Share					3264
					3264

MS PG CL	Thermal	103.98	3282.55		4490
	Thml+Gas	118.98	3656.31		5090
	Hydro	38.88	636.11		1459
	Total	157.85	4292.42		6549
State Total		231.20	6083.19		12788

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	4494	1400	592	6486	635	288	2846	2907	6	42	10358	1508	11866	1972	13838	49.12
2	4451	1210	596	6257	637	299	2847	3000	6	41	10234	1513	11747	1838	13585	49.27
3	4424	1186	596	6206	639	309	2743	2925	112	151	10230	1499	11729	1704	13433	49.37
4	4447	1258	596	6301	637	311	2634	2798	218	257	10308	1460	11768	1623	13391	49.31
5	4483	1365	597	6445	639	333	2581	2852	270	304	10596	1681	12277	1608	13885	49.25
6	4535	1465	628	6628	639	270	2584	2759	270	307	10627	2226	12853	1677	14530	49.22
7	4612	783	651	6046	636	138	2616	2747	245	278	9868	3472	13340	1672	15012	49.46
8	4424	744	648	5816	637	107	2660	2813	201	240	9616	3911	13527	1786	15313	49.45
9	4384	863	617	5864	633	102	2891	3084	-33	2	9685	4133	13818	2069	15887	49.27
10	4377	1264	630	6271	631	139	3231	3464	-366	-338	10167	3927	14094	2413	16507	49.22
11	4304	1657	620	6581	627	158	3228	3459	-366	-337	10488	3345	13833	2688	16521	49.04
12	4252	2082	623	6957	626	127	3223	3425	-366	-352	10783	3297	14080	2755	16835	49.12
13	4248	2242	619	7109	619	81	3208	3356	-366	-347	10818	3251	14069	2747	16816	49.11
14	4158	2084	620	6862	625	82	3204	3345	-366	-330	10584	3289	13873	2734	16607	49.10
15	4107	2044	622	6773	627	116	3202	3284	-366	-369	10431	3340	13771	2773	16544	49.12
16	4141	1871	624	6636	628	160	3203	3318	-366	-389	10353	3635	13988	2796	16784	49.16
17	4226	1547	621	6394	628	188	3202	3124	-366	-350	9984	4048	14032	2783	16815	49.14
18	4312	1662	634	6608	630	147	3111	3176	-253	-225	10336	3796	14132	2662	16794	49.33
19	4462	1649	638	6749	631	164	3073	3092	-129	-83	10553	3248	13801	2504	16305	49.24
20	4413	2056	640	7109	632	319	3220	3275	-154	-141	11194	3262	14456	2551	17007	49.22
21	4212	2239	643	7094	634	328	3252	3338	-181	-159	11235	2986	14221	2518	16739	49.23
22	4215	2180	647	7042	635	252	3251	3423	-176	-161	11191	2689	13880	2423	16303	49.26
23	4160	2040	646	6846	634	423	3140	3283	-56	-40	11146	2339	13485	2333	15818	49.14
24	4144	1985	643	6772	635	351	3006	3013	-57	-39	10732	2053	12785	2290	15075	49.04
MUs	103.98	38.88	14.99	157.85	15.17	5.19	72.16	75.26	-2.64	-2.04	251.52	69.91	321.42	54.92	376.34	49.22

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 27/Apr/2009

Position as on 6.30 Hrs of 28/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	
Parli Unit 3	210	25/04/2009	10:53	28/04/2009	02.06	Air Heater Prob.	27/04/2009
Chandrapur Unit 6	500	26/04/2009	09.28		Continued.	Boiler Tube Leakage	29/04/2009
Khaparkheda Unit 1	210	26/04/2009	20.26		Continued.	Boiler Tube Leakage	29/04/2009
Parli Unit 5	210	26/04/2009	21.18	27/04/2009	02.00	Boiler Feed Pump Problem	
Khaparkheda Unit 2	210	27/04/2009	07.06		Continued.	Boiler Tube Leakage	30/04/2009
Nasik Unit 1	125	27/04/2009	07.20		Continued.	Boiler Tube Leakage	30/04/2009
Koyna Unit 5	80	27/04/2009	12.00		Continued.	P L C Problem.	
Paras Unit 3	250	27/04/2009	13.30	27/04/2009	16.27	Flame/Failure	
Paras Unit 3	250	27/04/2009	19.37		Continued.	Incomer of 6.6 KV Flashover	29/04/2009
Koradi Unit 1	105	27/04/2009	22.07		Continued.	Condensor Tube Leakage	29/04/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Apr/2009

Position as on 6.30 Hrs of 28/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.
Padgha-Tarapur CKT.II	27/04/2009	09.01	27/04/2009	19.45	R.M. Work
Main Brekar of 400 KV Wardha - I	27/04/2009	16.12	27/04/2009	19.02	SF-6 Gas Leakage of R-PH.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari -II	25/04/2009	09:13	27/04/2009	11.00	Line on TBC,CB Replacement.
220KV Main Bus at Halkarni	27/04/2009	10.20	27/04/2009	18.30	Jumpering Work of Bus Section Isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
DHULE-SAR'SAROVAR-I	26/04/2009	01:07	27/04/2009	08.40	H/T FOR O/V
Dhule-Sar'Sarovar II	26/04/2009	22.52		Continued.	H/T FOR O/V
DHULE-SAR'SAROVAR-I	27/04/2009	23.55		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
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		Continued.	Replacement of spare ICT
Dabhol-NewKoyna-II	27/04/2009	15.35	27/04/2009	19.10	Line on TBC for Isolator Work.
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	16.00		Continued.	Relay Retrofitting Work.
Main Brekar of Koradi-Butobori Ckt	25/04/2009	22.16	27/04/2009	14.00	Main Brekar Problem.
200 MVA 220/143 KV ICT @ Jalna	27/04/2009	10.10	27/04/2009	17.10	Oil Leakage of LV side B-ph Bushing.
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 HAND TRIPPED		
600 MVA ICT I AT KALWA	15/04/2009	16.31		Continued.	Buchholz Alarm.
Parli-Lonikhand CKT II	27/04/2009	19.12		Continued.	Taken on TBC
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Lonikhand-Ranjangaon	27/04/2009	10.35		Continued.	H/T to control Lonikand ICT Loading
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT at Akola	25/04/2009	14:21		Continued.	Tripped on Buchholz & PRV.
Koradi - Akola	27/04/2009	06.02	27/04/2009	07.08	TRIPPED ON O/V
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV,125MVA ICT-III at Kalwa	26/04/2009	17.20	27/04/2009	16.22	Tripped on Diff.Prot.
Bablsr-Ranjangaon	27/04/2009	13.21	27/04/2009	13.35	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Malkapur - Bhusawal	27/04/2009	13.38	27/04/2009	15.16	Distance Protection
Malkapur - Bhusawal	27/04/2009	19.40	27/04/2009	20.40	Back Up O/C.
Bhusawal - Muktainagar	27/04/2009	19.40	27/04/2009	20.40	Back Up O/C.
Amravati - Achalpur	27/04/2009	20.00	27/04/2009	23.05	TO Control Line Loading.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Apr/2009

Position as on 6.30 Hrs of 28/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Malkapur - Khamgaon	27/04/2009	20.39		Continued.	TO Control Line Loading.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Kalyan	27/04/2009	14.50	27/04/2009	15.15	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/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	60
Unit 5	200	140
Unit 6	210	130
Unit 7	210	150
	1040	620
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	60
Unit 4	210	160
Unit 5	210	170
Unit 6	250	200
	940	630
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	0
Unit 5	500	400
Unit 6	500	0
Unit 7	500	425
	2340	1375
Paras		
Unit 2	55	25
Unit 3	250	0
	305	25
Khaparkheda		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
	840	420
Nasik		
Unit 1	120	0
Unit 2	120	90
Unit 3	210	200
Unit 4	210	200
Unit 5	210	200
	870	690
Uran		
All Units	852	620
	852	620
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	38
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	289
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	110
Trombay 7B	60	70
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3208
	3143	3208