



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Mar/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Mar/2010 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.406	3420.588	1) Madhya Pradesh	52.395	1369.963
2) Hydro	17.762	427.393	2) Gujrat	29.507	770.848
3) Gas	15.305	353.301	3) Goa	-6.695	-171.978
Total MSGENCO	156.473	4201.282	4) TAPS 1&2 (Inj.)	7.178	195.689
B) OTHERS			5) Pench (Excess)	-0.111	-6.700
1) RGPPL Gas	36.220	860.352	# Total Cent. Sector	82.274	2157.822
2) Wind Generation	6.330	114.818	F) Other Exchanges		
3) CPP	4.407	38.570	1) With TPCL (Excess)	-4.581	-95.669
4) PENCH (MS)	0.111	6.928	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.779	159.351
1) TPCL Thermal	30.045	805.454	Include PX	0.000	0.000
2) TPCL Hydro	3.634	116.025	2) MUMBAI Bilateral	5.562	117.178
TOTAL TPCL	33.679	921.479	Include PX	2.233	49.771
3) REL Thermal	12.596	340.993	3) MUMBAI Schedule	5.562	117.178
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	166.047	4567.035	1) MSEDCL	281.234	7284.103
2) Hydro (A2+B3+C2)	21.507	550.346	2) TPCL	32.326	876.315
3) Gas (A3+B1)	51.525	1213.653	3) REL	18.528	481.810
4) Wind (B2)	6.330	114.818	TOTAL STATE	332.088	8642.228
5) CPP (B3)	4.407	38.570			
TOTAL STATE	249.816	6484.422			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5136	5234	4990
MSGENCO Hydro	931	1241	281
MSGENCO Gas	638	626	652
MSGENCO Total Generation	6705	7101	5923
Central Sector Receipt	3703	3350	3102
RGPPL	1520	1532	1450
WIND	47	365	278
CPP	210	225	116
Exchange with TPCL	-332	-297	19
MSEDCL DEMAND MET	11853	12286	10888
Load Shedding	3627	3812	1954
MSEDCL DEMAND (INCL. LS)	15480	16098	12842
TPCL GENERATION	1656	1623	1086
REL GENERATION	527	521	526
TPCL+REL DEMAND	2515	2441	1593
STATE DEMAND MET	14368	14727	12481
STATE DEMAND (INCL. LS)	17995	18539	14435
Frequency (Hz)	49.55	49.37	49.60
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4697 MW At 15:00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			88:15 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.46 Hz at 08.03 Hrs	49.01 Hz at 19.32 Hrs	49.61	0 % 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/Mar/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.81	43.38	82	68	80
Unit 2	1.49	42.81	69	53	60
Unit 3	1.50	3.64	73	40	70
Unit 4	1.70	47.58	77	58	75
Unit 5	3.42	96.93	163	130	150
Unit 6	3.48	98.90	151	135	140
Unit 7	1.14	96.64	155	0	150
	14.54	429.89			725
Bhusawal					
Unit 1	1.09	29.40	52	37	50
Unit 2	4.34	120.45	190	170	195
Unit 3	4.54	114.00	195	180	195
	9.98	263.85			440
Parli					
Unit 1	0.56	14.83	25	22	22
Unit 2	0.56	12.76	25	21	22
Unit 3	0.00	37.16	0	0	0
Unit 4	4.63	113.38	207	163	200
Unit 5	0.00	103.75	0	0	0
Unit 6	5.96	160.60	254	228	250
Unit 7	4.48	83.93	254	0	0
	16.19	526.41			494
Chandrapur					
Unit 1	3.23	79.58	141	116	150
Unit 2	2.81	89.86	142	97	120
Unit 3	2.00	102.28	144	0	0
Unit 4	4.23	118.57	189	132	210
Unit 5	10.26	221.93	464	400	450
Unit 6	8.98	243.27	400	355	425
Unit 7	10.27	272.03	450	378	450
	41.78	1127.51			1805
Paras					
Unit 2	0.54	17.93	24	20	24
Unit 3	5.43	95.24	250	176	240
Unit 4	2.32	28.18	217	0	0
	8.29	141.36			264
Khaparkheda					
Unit 1	4.85	106.75	211	194	205
Unit 2	4.42	106.70	188	179	190
Unit 3	5.08	125.41	215	205	210
Unit 4	4.63	117.07	214	173	210
	18.98	455.94			815
Nasik					
Unit 1	2.23	53.76	97	90	100
Unit 2	0.00	53.25	0	0	0
Unit 3	2.34	123.70	196	0	0
Unit 4	4.39	115.77	192	175	180
Unit 5	4.70	129.15	203	184	210
	13.66	475.63			490
Koyna					
Stage 1-2	2.32	68.85	355	35	600
Stage 4	8.97	186.29	816	0	250
Stage 3	1.89	54.84	236	0	320
	13.18	309.97			1170
Kovna 12&4 Total	11.29	255.14			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.30	353.30	666	590	630
		15.30	353.30			630
Hydro						
KDPH		0.91	14.00	39	38	36
VTRNA		1.18	17.16	61	0	60
TILLARI		0.35	3.94	59	0	0
BHTGR/VEER		0.12	45.95	6	5	18
BHIRA T.R.		0.21	5.85	74	0	80
RNGR+BHTSA		0.31	8.28	14	12	13
BHANDARDRA		0.70	2.80	30	29	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.79	5.60	34	33	13
GHATGHAR		0.00	13.84	0	0	0
		4.58	117.42			220
PENCH (MS)						
Pench (MS)		0.11	6.93	36	0	
		0.11	6.93			
Wind						
MalharPeth		0.20	4.90			
Vankuswadi		0.44	9.95			
ATIT		0.10	3.45			
Kale		0.23	3.99			
Satara		0.49	4.50			
Shirala		0.21	3.94			
K Mahankal		0.02	2.21			
Supa		0.20	3.25			
Vita		0.85	14.48			
Dondaicha		2.50	38.27			
Sakri		0.20	5.88			
Nandurbar		0.38	6.05			
Khadakale		0.48	8.05			
Khaparale		0.02	5.91			
		6.33	114.82			
CPP						
TOTAL CPP		4.41	38.57			
		4.41	38.57			
Dabhol						
RGPPL		36.22	860.35	1558	1408	1500
		36.22	860.35			1500
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	267.53	415	415	420
Trombay 6		9.63	256.54	510	220	500
Trombay 7A		2.91	78.29	124	119	120
Trombay 7B		1.62	43.95	69	67	60
Trombay 8		5.92	159.15	250	210	250
TATA Hydro		3.63	116.02	442	0	447
		33.68	921.48			1797
REL						
1&2		12.60	340.99	527	521	500
		12.60	340.99			500
Cent Sect						
Share						3174
						3174
MS PG CL	Thermal	123.41	3420.59			5033
	Thml+Gas	138.71	3773.89			5663
	Hydro	17.76	427.39			1390
	Total	156.47	4201.28			7053
State Total		249.82	6484.42			14024

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/Mar/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	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	5071	1126	649	6846	1520	237	188	2776	3240	-130	-75	11956	1746	13702	1925	15627	49.46
2	5061	750	650	6461	1520	234	131	2718	3340	-36	18	11704	1778	13482	1773	15255	49.51
3	5059	463	652	6174	1460	345	114	2720	3108	-36	17	11218	1637	12855	1632	14487	49.49
4	4990	281	652	5923	1450	278	116	2721	3102	-36	19	10888	1954	12842	1593	14435	49.60
5	5047	163	652	5862	1408	345	125	2723	3340	-38	17	11097	2092	13189	1587	14776	49.63
6	5021	325	651	5997	1428	285	156	2656	3698	-38	23	11587	2444	14031	1688	15719	49.53
7	5143	244	641	6028	1460	282	171	2890	3329	38	69	11339	3540	14879	1694	16573	49.76
8	5149	235	640	6024	1520	330	153	2890	2821	38	88	10936	3680	14616	1723	16339	49.96
9	5070	235	646	5951	1521	299	165	2887	3143	38	67	11156	3711	14867	1857	16724	49.96
10	5062	290	666	6018	1522	181	212	3365	3631	-384	-327	11237	3740	14977	2232	17209	49.95
11	5035	722	653	6410	1521	114	209	3360	3811	-384	-327	11738	3531	15269	2409	17678	49.68
12	5136	931	638	6705	1520	47	210	3356	3703	-384	-332	11853	3627	15480	2515	17995	49.55
13	5174	971	626	6771	1517	60	197	3352	3531	-384	-367	11709	3601	15310	2480	17790	49.55
14	5260	936	631	6827	1517	113	193	3351	3666	-384	-370	11946	3587	15533	2418	17951	49.61
15	5232	766	635	6633	1516	128	196	3314	3796	-384	-365	11904	3747	15651	2446	18097	49.65
16	5220	715	640	6575	1516	175	203	3299	3638	-384	-366	11741	3543	15284	2487	17771	49.69
17	5023	777	643	6443	1517	275	194	3310	3741	-384	-366	11804	3574	15378	2469	17847	49.63
18	5096	740	660	6496	1517	269	189	3314	3653	-384	-367	11757	3311	15068	2395	17463	49.75
19	5172	806	646	6624	1518	329	232	3101	3405	-345	-320	11824	3686	15510	2328	17838	49.63
20	5234	1241	626	7101	1532	365	225	3183	3350	-316	-297	12286	3812	16098	2441	18539	49.37
21	5318	1474	620	7412	1548	446	210	3189	3158	-316	-259	12515	3417	15932	2382	18314	49.32
22	5323	914	604	6841	1558	482	219	3257	3370	-363	-309	12161	3440	15601	2234	17835	49.59
23	5304	1215	594	7113	1556	378	215	3144	3490	-282	-227	12550	2949	15499	2122	17621	49.43
24	5206	1442	590	7238	1558	333	184	3080	3210	-282	-225	12328	2050	14378	2026	16404	49.43
MUs	123.4 1	17.76	15.30	156.47	36.22	6.33	4.41	73.96	82.27	-5.56	-4.58	281.23	74.20	355.43	50.86	406.29	49.61

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/Mar/2010

Position as on 6.30 Hrs of 28/Mar/2010

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
Parli Unit 3	210	11/03/2010	03.45		Continued.	Annual overhaul	05/04/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	31/03/2010
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	W/Dn.	
Uran Unit 3	60	05/03/2010	09.49		Continued.	Gas Restriction.	
Parli Unit 5	210	25/03/2010	12:42	28/03/2010	22.20	Water Wall Tube Leakage.	
Nasik Unit 3	210	25/03/2010	21:10	27/03/2010	10:30	Boiler Tube Leakage.	
Paras Unit 4	250	26/03/2010	05:30	27/03/2010	05:54	Boiler Feed Pump Problem.	
Nasik Unit 2	125	26/03/2010	09.23	28/03/2010	05.55	BLR T/L.	
Cent_Sect Sipat-4	500	27/03/2010	00.27	28/03/2010	03.57	Superheater Tube leakage.	
Chandrapur Unit 3	210	27/03/2010	01.17	27/03/2010	06:26	Furnace pressure high.	
Koradi Unit 7	210	27/03/2010	07:43		Continued.	BLR T/L.	30/03/2010
Parli Unit 7	250	27/03/2010	16:00	27/03/2010	18:46	Tripped on Generator Protection.	
Nasik Unit 2	125	28/03/2010	17.05	28/03/2010	18.43	Tripped due to Drum Level Low.	
Koradi Unit 3	105	28/03/2010	22.10		Continued.	Tripped ,furnance pressure low.	
Parli Unit 5	210	28/03/2010	23.02		Continued.	Tripped due to Turbine Differential Expansion High	29/03/2010

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Mar/2010

Position as on 6.30 Hrs of 28/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kolhapur-Mapusa Ckt I	28/03/2010	06.20	28/03/2010	18.32	Errection of jack bus for Solapur bays at 400 KV Kolhapur.
Kolhapur - Mapusa - II	28/03/2010	06.39	28/03/2010	21.02	Errection of jack bus for solapur bays at 400KV Kolhapur.(Taken on TBC)
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Mansar-Pench	26/03/2010	09:15	27/03/2010	12:25	Breaker Overhaul Work at Pench.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	20/03/2010	03.59	27/03/2010	08.38	H/T for O/V.
Akola - Aurangabad - I	26/03/2010	16.31		Continued.	H/T for O/V.
Akola - Wardha - II	26/03/2010	17.33		Continued.	H/T.
Dhule-Sar'Sarovar - II	27/03/2010	02.55		Continued.	H/T for O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	28/03/2010	02.38	28/03/2010	17.25	H/T for O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV Main Bus - II at Kalwa	21/03/2010	10.16	27/03/2010	08.15	Replacement of 29B Isolator of Kalwa-Lonikand Line.
Bableshwar-Aurangabad	27/03/2010	07.37	27/03/2010	18.21	Replacement of faulty disc insulator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132KV 80MVA ICT at Nanded	19/02/2010	10.48		Continued.	Augmentation of ICT by 200 MVA.
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
220/132 KV T/F - II @ Boiser	11/03/2010	12.30		Continued.	Aumantation of new 200 MVA ICT.
BUS SEC-II at Jejuri	19/03/2010	13.57		Continued.	Renovation of Isolator
220/132KV 100MVA ICT-I at Parly-II	20/03/2010	09.35		Continued.	HV Breaker Replacement work,ICT on TBC.
Karad-M'peth	23/03/2010	11.10		Continued.	Tower erection work.
Pophali - Karad	27/03/2010	06.25	27/03/2010	18.08	For the erection of M/C Tower.
Chandrapur - Warora - II.	27/03/2010	07.55	27/03/2010	16.59	Replacement and commissioning of 1 no.CGL make IVT.
Dahanu-Ghodbandar-2	27/03/2010	08.06	27/03/2010	17.34	Annual line and bay maintaince.
K'gaon-Lonand	27/03/2010	08.07	27/03/2010	17.55	E/W replacement work.
Dhule - Dondaicha - I	27/03/2010	09.06	27/03/2010	21.38	For replacement of CT.
Chalishaon-BSL-I	27/03/2010	09.09	27/03/2010	17.11	(3No.)Work of CT replacement.
Raymond-Washala	27/03/2010	09.16	27/03/2010	20.05	For Nasik-Airoli line work.
Uran-ONGC	27/03/2010	11.04	27/03/2010	13.54	For replacement of Q7 (TBC) isolator.
Nasik - Airoli - Knowledge Park	27/03/2010	11.05		Continued.	For conductor replacement.
Trombay-Kalwa	27/03/2010	15.52	27/03/2010	18.25	To attend air leakage of breaker. (line taken on TBC)
Karad-Pophali	28/03/2010	06.30	28/03/2010	18.50	For erection of M/C Tower
Aurangabad - BBLSR	28/03/2010	07.43		Continued.	For Replacement of CT's under LES scheme.
220/100KV,100MVA ICT-IV at K'gaon	28/03/2010	08.42	28/03/2010	11.55	L.V.compressor air leakage attending work.
220/100 KV 200 MVA T/F	28/03/2010	10.13	28/03/2010	13.00	for 'R'Ph.CT replacement work.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Mar/2010

Position as on 6.30 Hrs of 28/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
IV at Apta.					
Kandalgaon-Lonand	28/03/2010	11.22	28/03/2010	14.55	For earth wire replacement work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Koradi - Kaparkheda	25/03/2010	19:50		Continued.	H/T.
Bhusawal- Aurangabad	27/03/2010	18:22		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/132 KV 200 MVA ICT-IV at NSK OCR	26/03/2010	11.15		Continued.	Oil leakage from ten delta point of LV side, B-Ph bushing.
Voltage Level : 220KV			Outage Type TRIPPED		
Kolhapur - Peth	27/03/2010	12.55	27/03/2010	13.30	Dist.Protection,B-Ph to E, Z-I.
Wadkhal-IPCL-II	28/03/2010	00.55	28/03/2010	11.39	Tripped on Back up protection.
Wadhkal-Ispat II	28/03/2010	00.55	28/03/2010	11.42	Tripped.
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph C T Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Mar/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	60
Unit 3	105	60
Unit 4	105	70
Unit 5	200	140
Unit 6	210	120
Unit 7	210	0
	1040	525
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	195
	478	440
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	0
Unit 4	210	200
Unit 5	210	0
Unit 6	250	250
Unit 7	250	0
	1190	494
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	140
Unit 4	210	200
Unit 5	500	450
Unit 6	500	400
Unit 7	500	450
	2340	1940
Paras		
Unit 2	55	44
Unit 3	250	220
Unit 4	250	
	555	264
Khaparkheda		
Unit 1	210	210
Unit 2	210	190
Unit 3	210	210
Unit 4	210	200
	840	810
Nasik		
Unit 1	120	100
Unit 2	120	0
Unit 3	210	200
Unit 4	210	190
Unit 5	210	200
	870	690
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	600

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	600
Hydro		
KDPH	40	36
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	14
ELDARY	23	0
SMLHY PTN	12	18
GHATGHAR	250	0
	611	286
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	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1500
	960	1500
Tata		
Trombay 4	150	0
Trombay 5	500	420
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1797
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2951
	3143	2951

	17376	7 of 7	13967
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