



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Mar/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Mar/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.117	3297.182	1) Madhya Pradesh	50.868	1317.568
2) Hydro	16.123	409.631	2) Gujrat	28.956	741.341
3) Gas	12.432	337.996	3) Goa	-6.610	-165.283
Total MSGENCO	151.672	4044.809	4) TAPS 1&2 (Inj.)	7.181	188.511
B) OTHERS			5) Pench (Excess)	-0.475	-6.589
1) RGPPL Gas	35.574	824.132	# Total Cent. Sector	79.920	2075.548
2) Wind Generation	5.205	108.488	F) Other Exchanges		
3) CPP	5.010	34.163	1) With TPCL (Excess)	-5.360	-91.088
4) PENCH (MS)	0.475	6.817	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.967	153.572
1) TPCL Thermal	30.979	775.409	Include PX	0.000	0.000
2) TPCL Hydro	5.088	112.391	2) MUMBAI Bilateral	6.203	111.617
TOTAL TPCL	36.067	887.800	Include PX	2.647	47.538
3) REL Thermal	12.566	328.397	3) MUMBAI Schedule	6.203	111.617
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	166.662	4400.988	1) MSEDCL	272.496	7002.869
2) Hydro (A2+B3+C2)	21.686	528.839	2) TPCL	35.131	843.989
3) Gas (A3+B1)	48.006	1162.128	3) REL	18.862	463.282
4) Wind (B2)	5.205	108.488	TOTAL STATE	326.489	8310.140
5) CPP (B3)	5.010	34.163			
TOTAL STATE	246.569	6234.606			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5062	4969	5263
MSGENCO Hydro	704	1196	587
MSGENCO Gas	486	572	486
MSGENCO Total Generation	6252	6737	6336
Central Sector Receipt	3573	3480	3002
RGPPL	1481	1481	1487
WIND	61	284	285
CPP	249	243	109
Exchange with TPCL	-405	-267	-3
MSEDCL DEMAND MET	11230	12009	11216
Load Shedding	4037	4043	1639
MSEDCL DEMAND (INCL. LS)	15267	16052	12855
TPCL GENERATION	1793	1795	1153
REL GENERATION	526	520	524
TPCL+REL DEMAND	2724	2582	1680
STATE DEMAND MET	13954	14591	12896
STATE DEMAND (INCL. LS)	17991	18634	14535
Frequency (Hz)	49.44	49.38	49.24
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4451 MW at 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			83.99 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.26 Hz at 07.06 Hrs	48.81 Hz at 23.14 Hrs	49.45	1.56 % 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 26/Mar/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	2.02	41.58	91	77	80
Unit 2	1.60	41.32	71	61	70
Unit 3	1.80	2.14	92	64	70
Unit 4	1.96	45.88	93	61	80
Unit 5	3.59	93.52	170	133	160
Unit 6	3.70	95.42	170	140	150
Unit 7	4.26	95.50	206	144	185
	18.94	415.36			795
Bhusawal					
Unit 1	1.11	28.31	50	42	50
Unit 2	4.36	116.11	190	160	195
Unit 3	4.53	109.46	196	182	195
	10.00	253.88			440
Parli					
Unit 1	0.51	14.27	23	19	23
Unit 2	0.29	12.20	24	0	0
Unit 3	0.00	37.16	0	0	0
Unit 4	3.87	108.75	201	128	200
Unit 5	0.00	103.75	0	0	0
Unit 6	6.00	154.63	255	240	250
Unit 7	5.97	79.44	257	236	0
	16.63	510.21			473
Chandrapur					
Unit 1	2.93	76.35	133	102	150
Unit 2	2.57	87.05	127	74	125
Unit 3	2.90	100.28	152	74	140
Unit 4	3.88	114.34	185	142	180
Unit 5	10.20	211.68	441	394	425
Unit 6	8.77	234.29	390	340	400
Unit 7	10.04	261.76	448	383	425
	41.29	1085.74			1845
Paras					
Unit 2	0.52	17.40	24	18	24
Unit 3	4.47	89.81	253	0	250
Unit 4	0.80	25.86	164	0	0
	5.79	133.07			274
Khaparkheda					
Unit 1	4.90	101.90	213	195	205
Unit 2	4.31	102.28	196	145	175
Unit 3	5.04	120.34	215	173	205
Unit 4	4.34	112.45	212	165	175
	18.60	436.96			760
Nasik					
Unit 1	2.26	51.53	99	83	100
Unit 2	0.84	53.25	93	0	90
Unit 3	0.00	121.36	0	0	0
Unit 4	4.23	111.38	188	162	180
Unit 5	4.54	124.45	206	161	200
	11.87	461.96			570
Koyna					
Stage 1-2	2.29	66.53	255	35	600
Stage 4	6.12	177.31	780	0	250
Stage 3	2.03	52.95	254	0	240
	10.44	296.79			1090
Kovna 12&4 Total	8.41	243.84			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		12.43	338.00	658	446	470
		12.43	338.00			470
Hydro						
KDPH		0.91	13.08	39	38	36
VTRNA		1.21	15.98	61	0	60
TILLARI		0.36	3.59	60	0	0
BHTGR/VEER		0.43	45.82	18	18	18
BHIRA T.R.		0.27	5.64	80	0	80
RNGR+BHTSA		0.31	7.98	14	12	13
BHANDARDRA		0.55	2.10	27	22	13
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.80	4.80	34	33	0
GHATGHAR		0.84	13.84	125	0	0
		5.68	112.84			220
PENCH (MS)						
Pench (MS)		0.48	6.82	51	0	
		0.48	6.82			
Wind						
MalharPeth		0.20	4.70			
Vankuswadi		0.46	9.51			
ATIT		0.09	3.36			
Kale		0.23	3.76			
Satara		0.52	4.01			
Shirala		0.20	3.72			
K Mahankal		0.01	2.20			
Supa		0.14	3.05			
Vita		0.72	13.62			
Dondaicha		1.60	35.76			
Sakri		0.21	5.67			
Nandurbar		0.30	5.66			
Khadakale		0.30	7.57			
Khaparale		0.22	5.89			
		5.20	108.49			
CPP						
TOTAL CPP		5.01	34.16			
		5.01	34.16			
Dabhol						
RGPPL		35.57	824.13	1490	1472	1500
		35.57	824.13			1500
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	257.57	415	415	420
Trombay 6		10.51	246.91	510	225	500
Trombay 7A		2.89	75.38	122	118	120
Trombay 7B		1.62	42.33	69	66	60
Trombay 8		6.00	153.23	250	250	250
TATA Hydro		5.09	112.39	471	0	447
		36.07	887.80			1797
REL						
1&2		12.57	328.40	526	519	500
		12.57	328.40			500
Cent Sect						
Share						3298
						3298
MS PG CL	Thermal	123.12	3297.18			5157
	Thml+Gas	135.55	3635.18			5627
	Hydro	16.12	409.63			1310
	Total	151.67	4044.81			6937
State Total		246.57	6234.61			14032

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/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	5229	1117	486	6832	1482	221	185	3018	3207	-140	-103	11824	1759	13583	1993	15576	49.40
2	5220	741	485	6446	1488	316	112	2964	3127	-46	-7	11482	1778	13260	1796	15056	49.31
3	5263	587	486	6336	1487	285	109	2969	3002	-46	-3	11216	1639	12855	1680	14535	49.24
4	5266	424	486	6176	1481	243	109	2972	2962	-46	15	10986	1939	12925	1638	14563	49.24
5	5312	379	486	6177	1481	251	150	2975	2864	-46	-14	10909	2081	12990	1616	14606	49.39
6	5284	1061	477	6822	1479	257	187	2811	2882	-46	-15	11612	2417	14029	1642	15671	49.24
7	5273	272	446	5991	1486	247	189	3120	3116	30	66	11095	3862	14957	1732	16689	49.46
8	5277	219	504	6000	1484	213	221	3084	2754	30	61	10733	4064	14797	1845	16642	49.80
9	5254	249	509	6012	1481	105	236	3080	2838	30	28	10700	4229	14929	2049	16978	49.84
10	5134	371	504	6009	1482	93	245	3556	3391	-404	-360	10860	4085	14945	2362	17307	49.60
11	5081	597	496	6174	1483	83	240	3598	3693	-451	-427	11246	3851	15097	2630	17727	49.50
12	5062	704	486	6252	1481	61	249	3594	3573	-451	-405	11230	4037	15267	2724	17991	49.44
13	5077	570	480	6127	1472	75	229	3595	3765	-451	-450	11268	3963	15231	2735	17966	49.45
14	5109	484	481	6074	1472	151	237	3593	3687	-451	-451	11220	3902	15122	2639	17761	49.34
15	5153	324	486	5963	1475	170	233	3555	3579	-451	-452	11019	4072	15091	2681	17772	49.42
16	5123	380	489	5992	1480	183	240	3541	3649	-451	-452	11143	3865	15008	2709	17717	49.46
17	5085	371	498	5954	1480	262	235	3551	3648	-451	-435	11169	3906	15075	2691	17766	49.50
18	4868	651	508	6027	1482	281	240	3542	3790	-451	-414	11406	3515	14921	2615	17536	49.42
19	4999	792	527	6318	1490	276	234	3183	3240	-353	-311	11298	3862	15160	2526	17686	49.64
20	4969	1196	572	6737	1481	284	243	3284	3480	-324	-267	12009	4043	16052	2582	18634	49.38
21	4968	1263	586	6817	1490	327	223	3290	3476	-324	-259	12125	3726	15851	2481	18332	49.46
22	5067	818	658	6543	1490	331	227	3309	3540	-324	-262	11920	3743	15663	2323	17986	49.54
23	5033	1309	647	6989	1483	247	219	3198	3309	-290	-223	12049	2982	15031	2195	17226	49.31
24	5011	1244	649	6904	1484	243	218	3088	3348	-290	-220	11977	2067	14044	2109	16153	49.33
MUs	123.1 2	16.12	12.43	151.67	35.57	5.20	5.01	78.47	79.92	-6.20	-5.36	272.50	79.39	351.88	53.99	405.88	49.45

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 26/Mar/2010

Position as on 6.30 Hrs of 27/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
Koyna Unit 12	80	03/03/2010	09.30	26/03/2010	16.55	Retrofitting work	
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.	
Nasik Unit 3	210	25/03/2010	21:10	27/03/2010	10:30	Boiler Tube Leakage.	
Parli Unit 2	30	26/03/2010	04:24	26/03/2010	11.50	Furnace Pressure Low.	
Paras Unit 4	250	26/03/2010	05:30	27/03/2010	05:54	Boiler Feed Pump Problem.	
Uran Unit 5	108	26/03/2010	06:14	26/03/2010	16.37	Filter Replacement Work.	
Paras Unit 3	250	26/03/2010	17.01	26/03/2010	21.10	ID Fan Tripped.	
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.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Mar/2010

Position as on 6.30 Hrs of 27/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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		
Wardha - Akola - I	16/02/2010	11.01	26/03/2010	17.32	To control Voltage at Akola
Akola-Aurangabad--II	08/03/2010	15.15	26/03/2010	16.29	H/T for O/V.
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.
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.
400 KV Bus Coupler at Lonikhand	25/03/2010	09:33	26/03/2010	03:28	General Maintenance of Isolator and CT Breaker.
Bableshtar-Aurangabad	26/03/2010	07.18	26/03/2010	18.51	Replacement of faulty disc insulator.
400/220KV,315MVA ICT-II at Kharghar	26/03/2010	08.48	26/03/2010	20.53	Testing of Y-Ph CVT B Bus & R.M.Work.
Main Bus - II @ Kharghar	26/03/2010	13.08	26/03/2010	18.37	Testing of Y-Ph CVT B Bus & R.M.Work.
Bableshtar-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.
220/132KV, 100MVA ICT-I at Padegaon	10/03/2010	12.20	26/03/2010	17.00	ICT Replacement by 200MVA New ICT
220/132 KV T/F - II @ Boiser	11/03/2010	12.30		Continued.	Augmentation of new 200 MVA ICT.
220/132 KV,100 MVA T/F-I @ Malegaon	19/03/2010	08.30	26/03/2010	20.55	Repl.of 100 MVA ICT to 200.(Kept on humming on dated 25/03/2010.
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.
Karad-Pophali	26/03/2010	06.15	26/03/2010	18.05	Tower erection work.
Ambazari-Wardha	26/03/2010	08.02	26/03/2010	19.37	Replacement of broken E/W.
K'gaon-Lonand	26/03/2010	08.10	26/03/2010	18.19	E/W Replacement.
Dhule - Malegaon	26/03/2010	09.02	26/03/2010	18.29	Replacement of CT's.
Chandrapur MIDC - Gadchandur	26/03/2010	11.22	26/03/2010	13.35	LA earth plate strip replacement 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.
Chalisgaon-BSL-I	27/03/2010	09.09	27/03/2010	17.11	(3No.)Work of CT replacement.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Mar/2010

Position as on 6.30 Hrs of 27/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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)
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Borivali-Tata-I	26/03/2010	13.47	26/03/2010	18.55	Stringing of conductor of new 220 KV Borivali.
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Tekepar-Kardha	26/03/2010	17.38	26/03/2010	21.40	Distance Protection Operated.
Tekepar-Bhandara	26/03/2010	17.38	26/03/2010	19.15	Back up Protection operated.
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 : 400KV			Outage Type TRIPPED		
Bhusawal- Aurangabad	07/03/2010	20.43	26/03/2010	07:12	Hand Tripped for Over Voltage.
Koradi - Bhusawal	26/03/2010	17.38	26/03/2010	18.10	Dist.Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Kolhapur-Karad-IV	26/03/2010	13.34	26/03/2010	13.55	Dist.Protection.
Chinchwad - Telco	26/03/2010	17.59	26/03/2010	18.20	Tripped.
Kolhapur - Peth	27/03/2010	12.55	27/03/2010	13.30	Dist.Protection,B-Ph to E, Z-I.
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 27/Mar/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	60
Unit 3	105	70
Unit 4	105	75
Unit 5	200	150
Unit 6	210	140
Unit 7	210	150
	1040	725
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	120
Unit 3	210	0
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	450
	2340	1805
Paras		
Unit 2	55	24
Unit 3	250	240
Unit 4	250	0
	555	264
Khaparkheda		
Unit 1	210	205
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	815
Nasik		
Unit 1	120	100
Unit 2	120	0
Unit 3	210	0
Unit 4	210	180
Unit 5	210	210
	870	490
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	630

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	630
Hydro		
KDPH	40	36
VTRNA	60	60
TILLARI	60	0
BHTGR/VEER	21	18
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	13
GHATGHAR	250	0
	611	220
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	3174
	3143	3174

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